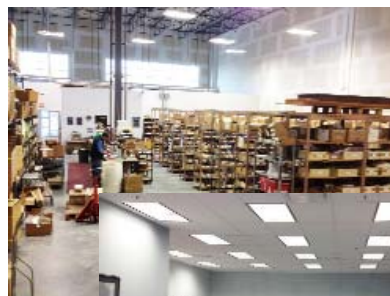


Mode Electronics Ltd. head office and warehouse is located in Burnaby, B.C., Canada. Our products are sold exclusively through Electronic Distributors across Canada and the USA. Please check our web site at www.mode-elec.com for the Distributor in your area. These Distributors stock many of the products in this catalog and will provide professional and friendly service.

This catalog contains information on the products that are stocked in quantity in our warehouse. The catalog is arranged in order by product type. Please use the "Quick Index" below for the major product categories. Full index is at the end of the catalog.



MODE ELECTRONICS LTD.

211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2

Phone: 604-435-6633
 Fax: 604-435-8890
 Toll Free: 1-800-663-4992
 Web Site: www.mode-elec.com

Quick Index

NEW ITEMS LISTING 107

AC ADAPTERS	66-73	LED'S	47-56
AUDIO CONNECTORS	14-19	LED REPLACEMENT LAMPS	48-51
AUDIO ADAPTERS	19-20	MAGNIFIERS	85-86
AUDIO CABLES	20-21	MISC. HAND TOOLS	98-99
BATTERY HOLDERS	59	PILOT LAMPS	47,48
BOTTLES & DISPENSERS	101	PLASTIC BOXES	44
BRUSHES	104-107	PLIERS & CUTTERS	92-93,94
BURNISHING TOOLS, FILES	96	POTENTIOMETERS	65
BUZZERS/ALARMS	64	POWER CORDS/JACKS	25,26
CABLE TIES	28,29	RELAYS	42,43
CATV PRODUCTS	7	RF ADAPTERS	9-10
CIRCUIT BREAKERS	41,42	RF CONNECTORS	11-13
COMPUTER ACCESSORIES	27	SCREWDRIVERS	94
CRIMP TOOLS	86-88	SEIZERS	85
CUTTING TOOLS	96,97	SOLDERING AIDS	98,99
D-SUB CONNECTORS	22-24	SOLDERING TOOLS	79,80,81,82
DC POWER PLUGS	26	SPEAKERS	65,74
DESOLDERING TOOLS	78,83	SWITCHES	34-42
DIN CONNECTORS	17-18	TELEPHONE PRODUCTS	3-6
EARPHONES	74	TERMINAL BLOCKS	60-61
FANS	62-63	TEST EQUIPMENT	77
FUME EXTRACTORS	80,81	TOOL CASES	100
FUSEHOLDERS/FUSES	59	TRANSFORMERS	64
HARDWARE	45-46	TWEEZERS	83-84
HEX BITS	94-95	VIDEO ADAPTERS	8-10
IC HANDLING/LEAD FORM. TOOLS	97	VICES	100
IC SOCKETS	33	WIRE STRIPPERS	90-91
KNOBS	44	WIRE TERMINALS	75-76
LAMPS	57-58	WIRING ACCESSORIES	29-30

MODE PART NUMBERING SYSTEM

Most items in this catalog are available in bulk as well as display packaged and the appropriate numbers are prominently shown throughout the catalog. Our display packages are designed for hanging on pegboard type store displays. The packaged product is slightly more costly than bulk product due to the extra packaging costs. Bulk product numbers always end in a -0. Packaged items usually indicate the the quantity per package, after the last dash.

**For example: 21-059-0 is bulk product
21-059-10 is a display package containing 10 pieces**

The packaged product is intended for small quantity sales and walk-in traffic. Please specify bulk product numbers for larger quantity orders.

Mode part numbers are organized by type of product. The part number prefixes specify the product type. For example: Part numbers starting with 13 (13-XXX-X) are Category 5 Modular Telephone products, part numbers that start with 24 are Audio plugs and jacks, etc.

This catalog is organized in ascending numerical order from 12 series up. This arrangement keeps all similar parts together in the catalog and makes it easier to find parts in the catalog.

Important information about RoHS compliance.

RoHS EU directive 2002/95/EC concerns the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The RoHS (restriction of hazardous substances) of the 27th January 2003 bans the use of certain substances in new electrical and electronic equipment put on the market from 1st July 2006 (there are exceptions for certain applications). The banned substances are lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).

Mode Electronics Ltd. will make every effort to obtain compliance information on every component we carry. Many of our products have never contained any of these restricted substances so are therefore compliant by default.

As we determine the compliance or non-compliance of our products we will post this information on the Mode web site (www.mode-elec.com).

In cases where an item is not compliant at the present time we will attempt to source product that is compliant. In many cases we will continue to offer the non-compliant product, as cost may be an important factor. Where we offer both compliant and non-compliant products we will differentiate these items with a unique part number for the compliant part (we will add the letters EU to the part number).

Although we agree in principal with the intent of the EU directive we also feel that some clarification of the directive will be necessary to make it feasible. For this reason there are a number of proposed exemptions being considered at this time.

It must be understood that, in some areas, there will be a greater cost incurred to ensure that none of these restricted materials are present in a product. A typical example of this problem is where a manufacturer uses recycled plastics (considered environmentally responsible) to manufacture their products. It would be very difficult as well as prohibitively expensive to test each batch of recycled material for the presence of minute quantities of the restricted substances. In cases such as this the only reasonable solution would be to use virgin plastic at much higher costs.

We will continue our efforts to obtain and make available through the web site information regarding the compliance of Mode products.



COILED TELEPHONE CORDS

Coiled modular telephone cables suitable for handsets or standard extension cords. Extended lengths shown. (Ivory)

12-035-0 4P/4C 15' Length
Use -1 for Display Package



MODULAR TELEPHONE CORDS

Modular Cables with 6P/4C plugs on both ends (Ivory)

12-183-0 6P/4C 7' Length
12-185-0 6P/4C 15' Length
Use -1 for Display Package



MODULAR JOINER

Jack to jack joiner for connecting two cables.

12-202-0 6P/4C
12-203-0 6P/6C
12-204-0 8P/8C
Use -1 for Display Package



DATA JOINERS

12-203D-0 6P/6C
12-204D-0 8P/8C
Use -1 for Display Package

Data joiners are connected from pin 1:1, 2:2, etc. Standard telephone joiners are cross connected - for example a 6P/6C is connected 1:6, 2:5, 3:4, 4:3, 5:2, 6:1.

MODULAR TELEPHONE DESIGNATIONS

The designation 6P/4C, 6P/6C, etc. refers to the number of contacts / number of wires used. The other common designations are:

4P/4C		for telephone handsets
6P/4C	RJ-11	Standard 4-conductor
6P/6C	RJ-12	Standard 6-conductor
8P/8C	RJ-45	Standard 8-conductor



MODULAR 'T' ADAPTER

Modular 'T' adapter joins two cables to one jack.

12-210-0 6P/4C
12-213-0 6P/6C
12-214-0 8P/8C
Use -1 for Display Package

SURFACE MOUNT WALL JACK (SINGLE)

Surface mount wall jack with adhesive back for easy mounting. Screw terminals for connections. Available in Ivory or White.



12-221-0 Ivory 6P/4C
12-221W-0 White 6P/4C
12-223-0 Ivory 6P/6C
12-223W-0 White 6P/6C
12-225-0 Ivory 8P/8C
12-225W-0 White 8P/8C
Use -1 for Display Package

DOUBLE OUTLET SURFACE MOUNT WALL JACK

Surface mount wall jack with 2 outlets. Adhesive back and screws for mounting. Screw terminals for connections. Available in Ivory.



12-222-0 Ivory 6P/4C
Use -1 for Display Package

SINGLE OUTLET FLUSH MOUNT WALL PLATE



Telephone wall plates. Fits standard electrical box. Screw terminals.

12-231W-0 White 6P/4C
Use -1 for Display Package

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

DOUBLE OUTLET FLUSH MOUNT WALL PLATE



Double wall plates. Fits standard electrical box.

- 12-232-0** Ivory 6P/4C
- 12-232A-0** Almond 6P/4C
- 12-236-0** Ivory 8P/8C
Use -1 for Display Package
- 12-232W-0** White 6P/4C

MODULAR TELEPHONE PLUGS

Modular telephone plugs with 15µ" gold plated contacts.



- 12-253-0** 4P/4C
- 12-254-0** 6P/4C
- 12-256-0** 6P/6C
- 12-258-0** 8P/8C
Use -10 for Display Package
Use -50 for 50 Packs

MODULAR TELEPHONE PLUGS (for round cable)

Modular telephone plugs for round jacket cable with 15µ" gold plated contacts. **R** types are for stranded wire, **S** type is for solid wire and **U** type is for both stranded and solid wire.



- 12-254S-0** 6P/4C
- 12-254U-0** 6P/4C
- 12-256R-0** 6P/6C
- 12-256S-0** 6P/6C
- 12-256U-0** 6P/6C
- 12-258R-0** 8P/8C
- 12-258S-0** 8P/8C
- 12-258U-0** 8P/8C
Use -10 for Display Package
Use -50 for 50 Packs

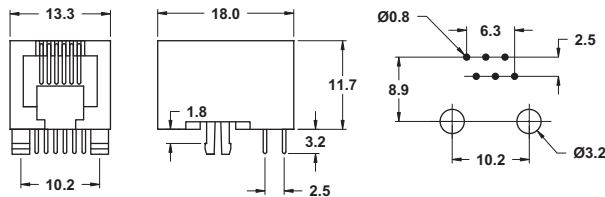
- 12-254R-0** 6P/4C

PC MOUNT MODULAR JACKS

Printed circuit mount modular jacks. 6µ" gold plating.

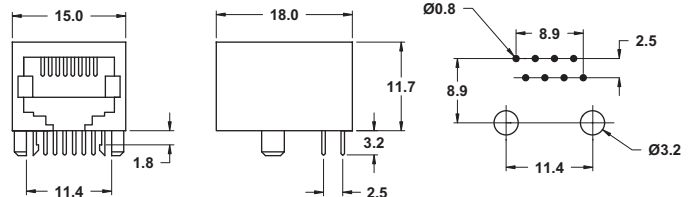


12-264-0 & 12-266-0



- 12-264-0** 6P/4C
- 12-266-0** 6P/6C
- 12-288-0** 8P/8C

12-288-0



DELUXE MODULAR CRIMP TOOL



Deluxe crimp tool cuts, strips and crimps modular plugs.

- 12-306-1** 6P/4C & 6P/6C
- 12-308-1** 8P/8C

DELUXE MODULAR CRIMP TOOL



- 8P/8C (RJ45) precision crimper.
- Cuts and strips both flat and round modular cable.
- Extremely comfortable cushioned handles.
- Ratchet action with easy release.

12-309-1

MODULAR CRIMP TOOL



This versatile tool will crimp 4, 6 and 8 pin modular plugs. It also has a wire cutter and stripper built-in. Simple to use, extremely durable.

12-310-1

MODULAR TELEPHONE CABLE



28AWG stranded modular telephone cable. Available in silver-satin, beige or black jacket color.

- 12-402-0 Silver** 4-conductor 100'
- 12-403-0 Beige** 4-conductor 1000'
- 12-403-0 Silver** 4-conductor 1000'
- 12-603-0 Beige** 6-conductor 1000'
- 12-603-0 Silver** 6-conductor 1000'
- 12-805-0 Silver** 8-conductor 1000'

100' not on spools

The items shown in this catalog are normal stock items at Mode, but we can also source many additional products from reliable sources. If you have a requirement for a product not shown in this catalog, please contact us or your local distributor for price and delivery.

CATEGORY 5 PLUGS (8P/8C)

For round jacket/solid conductor cable.



13-101-0 * 30μ" Gold
13-102-0 * 50μ" Gold
 Use -5 for Display Package
 * Use -50 for 50 Packs

DOUBLE SURFACE MOUNT BOX



Double outlet surface mount box for 13-111-0 or 13-112-0 series jacks.



13-122-0 White
 Use -1 for Display Package

CATEGORY 5e KEYSTONE JACK



This jack requires no tooling. A color coded lift-up lid is used to place and insert the wires.



13-111E-0 5e white color
 Use -1 for Display Package

FLUSH MOUNT WALL PLATES



White flush mount wall plates for 13-111-0 or 13-112-0 series jacks.

13-131-0 for 1 jack - White
13-132-0 for 2 jacks - White
13-134-0 for 4 jacks - White
 Use -1 for Display Package

CATEGORY 5e KEYSTONE JACK



Standard 110 type IDC strips.



13-112E-0 5e white color
 Use -1 for Display Package

TV/PHONE PLATE



13-135WH-0 White
 Use -1 for Display Package

INSERTS FOR SURFACE MOUNT PLATES



Blank Insert-White

13-140-0 Bulk
13-140-2 Pkg (2)



ST Insert-White

13-141-0 Bulk
13-141-2 Pkg (2)



BNC Insert-White

13-142-0 Bulk
13-142-1 Pkg

SINGLE SURFACE MOUNT BOX



Single outlet surface mount box for 13-111-0 or 13-112-0 series jacks.

13-121-0 White
 Use -1 for Display Package

MODE ELECTRONICS LTD.
 211 - 2999 UNDERHILL AVE.,
 BURNABY, B.C., CANADA, V5A 3C2
 Phone: 604-435-6633
 Fax: 604-435-8890
 Toll Free: 1-800-663-4992
 Web Site: www.mode-elec.com

PATCH CORDS



Category 5e patch cords - available in 3', 7', 10', 14', and 25' lengths - colors - blue, yellow & grey.

- 13-161BL-0** 3' Long Blue
- 13-161GY-0** 3' Long Grey
- 13-162BL-0** 7' Long Blue
- 13-164GY-0** 14' Long Grey
- 13-164YL-0** 14' Long Yellow
- 13-165GY-0** 25' Long Grey
- 13-165YL-0** 25' Long Yellow

Use -1 for Display Package

CAT6 PATCH CORDS



Available in 3', 7', 10', 14', and lengths. Color is grey.

- 13-171GY-0** 3' Long
- 13-172GY-0** 7' Long
- 13-173GY-0** 10' Long
- 13-174GY-0** 14' Long

Use -1 for Display Package

COLOR CODED CABLE BOOTS



- 13-190BK-0** Black
- 13-190BL-0** Blue
- 13-190GR-0** Green
- 13-190GY-0** Grey
- 13-190RD-0** Red
- 13-190YL-0** Yellow

Use -4 for Display Package

Since modern twisted pair cabling must be expected to carry high signal rates, it is necessary to avoid stressing the wire. Tight 90-degree bends are not permissible, and any tie-wraps or other securing straps must not be cinched excessively tight. Care should be taken to avoid routing cables within 18 inches of electrical noise generating devices such as transformers and lighting ballasts. Please see our selection of hook and loop cable ties which are suitable for securing bundles of Cat 5 or Cat 5E cables.

CATEGORY 5 TOOLING



13-180-0 Bulk **13-180-1** Pkg.
Adjustable impact punch tool - using one of the inserts (below) this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jacks.

13-186-1 Pkg.
Adjustable impact punch tool c/w 13-183-0 insert.
Attractive display Package.



13-181-0 Bulk **13-181-1** Pkg.
Non-impact punch tool - using one of the inserts (below) this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jacks.

13-187-1 Pkg.
Non-impact punch tool c/w 13-183-0 insert. Attractive display package.

INSERTS FOR 13-180-0 AND 13-181-0 PUNCH TOOL



13-182-0
For 66 type terminals- reversible punch or punch & cut



13-183-0
For 110 type terminals-reversible punch or punch & cut



13-184-0
For 66 & 110/88 type terminals. Punch only

Use -1 for Display Package

CABLE STRIP TOOL



13-185-0
Universal stripping tool for round or flat Cat 5 cable.
Use -1 for Display Package

ECONOMY PUNCH-DOWN TOOL AND CABLE STRIPPER



13-189-0
Disposable punch-down tool. Suitable for 5-6mm OD UTP/STP cable. For 110 type blocks.
Use -1 for Display Package

The Category 5 products shown on pages 5 and 6 are stocked items. We have access to many additional items such as patch panels, different styles of outlet boxes, etc. If you have a requirement for an item or items not shown on these pages, please contact us or your local Mode Distributor for price and delivery information.

MATCHING TRANSFORMER

Broadband (5-900Mhz) antenna matching transformer. 75-300Ω.



16-109-0 Bulk
16-109-1 Package

DUPLEX CATV WALL PLATE



Duplex white wall plate. Fits standard electrical outlet box, complete with screws.

16-172W-0 Bulk
16-172W-1 Package

COAXIAL SPLITTERS

5-900 Mhz bandwidth 75Ω splitters. DC power passing, epoxy sealed back cover, anti-corrosion plating, zinc alloy diecast case with ground screw.



16-112-0 2-way Bulk
16-113-0 3-way Bulk
16-114-0 4-way Bulk
Use -1 for Display Package

RG6 COAX CABLES



16-203WH-0 3' Length White
16-203BK-0 3' Length Black
16-206WH-0 6' Length White
16-206BK-0 6' Length Black
16-212WH-0 12' Length White
16-212BK-0 12' Length Black
16-225WH-0 25' Length White
16-225BK-0 25' Length Black
16-250WH-0 50' Length White
16-250BK-0 50' Length Black
Use -1 for Display Package

DELUXE COAXIAL SPLITTER

5-1000Mhz bandwidth 75Ω splitter. Diecast case with ground screw. *We had this splitter tested by an independent engineer and he found it to be far superior to most splitters available.*



16-112A-0 2-way Bulk
Use -1 for Display Package

RG6 GOLD PLATED COAX CABLES



16-204BK-0 3' Length Black
16-207BK-0 6' Length Black
16-213BK-0 12' Length Black
Use -1 for Display Package

CATV WALL PLATE

Wall plates with double female F connector. Fits standard electrical outlet box, complete with screws.



16-170W-0 Bulk White
16-170W-1 Pkg White

TV SELECTOR SWITCH



Two way switch for 75Ω coaxial cable.

16-902-0 Bulk
16-902-1 Package

BLANK CATV WALL PLATE

Blank white wall plate. Fits standard electrical outlet box, complete with screws.



16-171W-0 Bulk
16-171W-1 Package

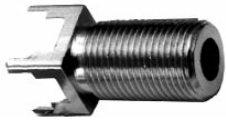
BNC COAXIAL CABLES



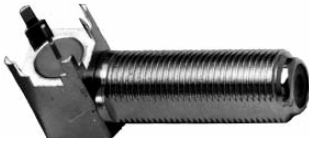
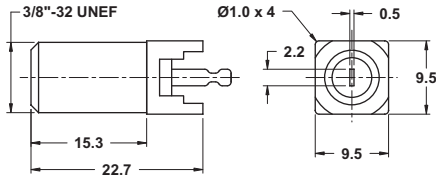
BNC-BNC RG58/u coaxial cables.

18-644-0 3' Length
18-744-0 6' Length
18-844-0 10' Length
Use -1 for Display Package

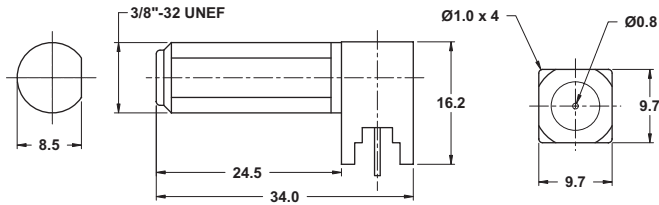
PC MOUNT 'F' JACKS



Straight PC mount 'F' jack.
21-062-0 Bulk
21-062-2 Pkg (2)



Right Angle PC mount 'F' Jack.
21-066-0 Bulk
21-066-2 Pkg (2)
21-066N-0 Nut only



'F' CONNECTORS



Standard crimp
21-006-0 For RG6/u c/w ring
21-006-2 Package (2)



Integral crimp ring
21-007-0 For RG6/u
21-007-2 Package (2)



Weatherproof
21-008-0 For RG6/u
21-008-2 Package (2)
 'O' ring and silicone seal for weather resistance.



Premium waterproof
21-009-0 For RG6/u
21-009-2 Package (2)
 High quality positive clamp.



Premium waterproof
21-010-0 For RG59/u
21-010-2 Package (2)
 High quality positive clamp.



Screw-on style
21-056-0 For RG6/u
21-056-2 Package (2)



Screw-on style
21-057-0 For RG59/u
21-057-2 Package (2)



Integral crimp ring
21-058-0 For RG59/u
21-058-2 Package (2)



Standard crimp
21-059-0 For RG59/u
21-059-2 Package (2)
21-059-10 Package (10)



75Ω Terminator
21-060-0 Bulk
21-060-2 Package (2)



Chassis Jack
21-061-0 Bulk
21-061-2 Package (2)



Double 'F' chassis jack.
21-081-0 Bulk
21-081-2 Package (2)

COMPRESSION CRIMP TOOL



84-156-1
 • Fully adjustable for RCA/BNC + F connectors.
 • Suitable for: 21-009, 21-010, 21-355, 21-356, 24-105 and 24-106 connectors.

ECONOMY WATERPROOF 'F' TOOL



84-157-1
 This inexpensive tool is designed for waterproof F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors.

WATERPROOF 'F' CONNECTOR TOOL



84-158-1
 This tool is designed for the 21-009 and 21-010 F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors.

HEAVY DUTY CRIMP TOOL



84-159-1
 This tool is suitable for all hexagonal crimp F59 connectors including integral ring types. Hex crimp size for RG59 (.255") and RG6 (.322"). Comfortable cushion grip handles.

'F' CRIMP TOOL



84-160-1
 This economical crimp tool is suitable for separate crimp ring F59 connectors for RG59 and RG62.

VIDEO & RF ADAPTERS



F JACK		RCA PLUG	RCA JACK		BNC PLUG
	21-115-0 21-115-1	Bulk Package			21-142-0 21-142-1
					Bulk Package
RCA PLUG		F PLUG	F JACK		BNC PLUG
	21-116-0 21-116-1	Bulk Package			21-145-0 21-145-1
					Bulk Package
F JACK		RCA JACK	F PLUG		BNC PLUG
	21-125-0 21-125-1	Bulk Package			21-146-0 21-146-1
					Bulk Package
RCA JACK		F PLUG	BNC PLUG		UHF JACK
	21-126-0 21-126-1	Bulk Package			21-148-0 21-148-1
					Bulk Package
BNC JACK		RCA PLUG	BNC PLUG		N JACK
	21-131-0 21-131-1	Bulk Package			21-149-0 21-149-1
					Bulk Package
F JACK		BNC JACK	RCA JACK		PUSH-ON F PLUG
	21-135-0 21-135-1	Bulk Package			21-152-0 21-152-1
					Bulk Package
BNC JACK		F PLUG			
	21-136-0 21-136-1	Bulk Package			

Video and RF Adapter Quick-Pick Table

		F		RCA		BNC		UHF		N		TNC		Mini UHF		SMA	
		J	P	J	P	J	P	J	P	J	P	J	P	J	P	J	P
F	Jack	21-081	21-155	21-125	21-115	21-135	21-145										
	Plug			21-126		21-136	21-146										
RCA	Jack		21-126				21-142										
	Plug	21-115	21-116			21-131											
BNC	Jack		21-136		21-131	21-368	21-369		21-173		21-193		21-194			21-191	21-190
	Plug	21-145	21-146	21-142		21-369	21-366	21-148		21-149							
UHF	Jack						21-148	21-268			21-198		21-199		21-188		
	Plug						21-173			21-266	21-179				21-187		
N	Jack						21-149		21-179	21-468	21-469				21-189		
	Plug						21-193		21-198		21-469						
TNC	Jack										21-868	21-768	21-769		21-180		
	Plug						21-194		21-199				21-769				
Mini UHF	Jack														21-569		
	Plug							21-187									
SMA	Jack																21-868
	Plug						21-191										
							21-190										

F JACK  **PUSH-ON F PLUG**
21-155-0 Bulk Package
21-155-1

BNC JACK  **SMA PLUG**
21-190-0 Bulk Package
21-190-1

F JACK  **F PLUG**
21-156-0 Bulk Package
21-156-1

SMA JACK  **BNC JACK**
21-191-0 Bulk Package
21-191-1

BNC JACK  **UHF PLUG**
21-173-0 Bulk Package
21-173-1

BNC JACK  **N PLUG**
21-193-0 Bulk Package
21-193-1

N JACK  **UHF PLUG**
21-179-0 Bulk Package
21-179-1

BNC JACK  **TNC PLUG**
21-194-0 Bulk Package
21-194-1

TNC JACK  **MINI UHF PLUG**
21-180-0 Bulk Package
21-180-1

UHF JACK  **N PLUG**
21-198-0 Bulk Package
21-198-1

UHF JACK  **MINI UHF PLUG**
21-188-0 Bulk Package
21-188-1

UHF JACK  **TNC PLUG**
21-199-0 Bulk Package
21-199-1

N JACK  **MINI UHF PLUG**
21-189-0 Bulk Package
21-189-1

See the quick-selector table on page 9 for availability of between series adapters.

Visit our Web Site at <http://www.mode-elec.com>

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

UHF CONNECTORS

UHF SPECIFICATIONS

MATERIALS:

Body : Brass
 Contacts: Nickel plated brass
 Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: Non constant
 Frequency Range: 0-500MHz
 Voltage Rating: 500VAC
 Withstanding Voltage: 1000V RMS
 Insulation Resistance: 5000M Ω min.

BNC CONNECTORS

BNC SPECIFICATIONS

MATERIALS:

Body: Nickel plated brass
 Contacts: Gold plated brass or phosphor bronze
 Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50 Ω (75 Ω)
 Frequency range: 0-4 GHz
 Voltage rating: 500VAC
 Withstanding voltage: 1500V RMS
 Insulation resistance: 5000M Ω min.



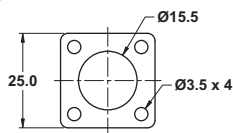
UHF CHASSIS JACK

21-238-0 Bulk Package
21-238-1 Bulk Package



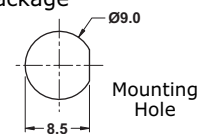
UHF CHASSIS JACK

21-239-0 Bulk Package
21-239-1 Bulk Package



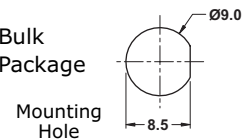
ISOLATED CHASSIS JACK

21-337-0 Bulk Package
21-337-1 Bulk Package



CHASSIS JACK

21-338-0 Bulk Package
21-338-1 Bulk Package



UHF STANDARD PLUG



For RG8/u - use reducing adapters below for RG58 or 59

21-259-0 Bulk Package
21-259-1 Bulk Package

UHF REDUCING ADAPTER



21-260-0 RG58/u
21-261-0 RG59/u
 Use -2 for Display Package

MALE UHF JOINER



21-266-0 Bulk Package
21-266-1 Bulk Package

UHF BULKHEAD MOUNT



50mm long with mtg. nuts
21-267-0 Bulk Package
21-267-1 Bulk Package

FEMALE UHF JOINER



21-268-0 Bulk Package
21-268-1 Bulk Package

UHF RIGHT ANGLE



21-269-0 Bulk Package
21-269-1 Bulk Package

CRIMP PLUG



21-344-0 RG174/u 50 Ω
21-346-0 RG6/u 50 Ω
21-348-0 RG58/u 50 Ω
21-349-0 RG59/u 75 Ω
 Use -1 for Display Package

CRIMP JACK



21-350-0 Bulk Package
21-350-1 Bulk Package
 for RG58/u

BNC TERMINATORS



21-351-0 50 Ω
21-352-0 75 Ω
 Use -1 for Display Package

TWIST-ON PLUG



21-353-0 RG58/u
21-354-0 RG59/u
 Use -1 for Display Package

COMPRESSION CONNECTORS



Use 84-156-1 tool for installation

21-355-0 RG59/u
21-356-0 RG6/u
 Use -1 for Display Package

BNC Connectors continued on next page

STANDARD PLUG (Clamp Type)



21-358-0 RG58/u
21-359-0 RG59/u
Use -1 for Display Package

TRIPLE JACK



21-364-0 Bulk
21-364-1 Package

'T' CONNECTOR



21-365-0 Bulk
21-365-1 Package

FEMALE JOINER



21-368-0 Bulk
21-368-1 Package

MALE JOINER



21-366-0 Bulk
21-366-1 Package

RIGHT ANGLE ELBOW



21-369-0 Bulk
21-369-1 Package

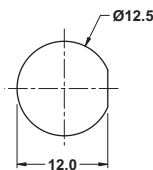
PANEL MOUNT JACK



21-367-0 Bulk
21-367-1 Package

Bulk
Package

Mounting
Hole



RUBBER CABLE BOOTS

These rubber boots for BNC crimp connectors provide a professional molded look to coaxial cables.



21-398-0 RG58/u
21-399-0 RG59/u
Use -6 for Display Package

N CONNECTORS

SPECIFICATIONS

MATERIALS:

Body: Nickel plated brass
Contacts: Gold plated brass or phosphor bronze
Dielectric: Delrin

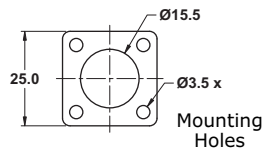
ELECTRICAL:

Nominal Impedance: 50Ω
Frequency range: 0-4 GHz
Voltage rating: 500VAC
Withstanding voltage: 1500V RMS
Insulation resistance: 5000MΩ min.

CHASSIS JACK



21-439-0 Bulk
21-439-1 Package



STANDARD PLUG (RG58/u)



21-458-0 Bulk
21-458-1 Package

CRIMP/SOLDER PLUG (RG58/u)



Centre-pin soldered

21-450-0 Bulk
21-450-1 Package

FEMALE JOINER



21-468-0 Bulk
21-468-1 Package

STANDARD PLUG (RG8/u)



21-457-0 Bulk
21-457-1 Package

RIGHT ANGLE ELBOW



21-469-0 Bulk
21-469-1 Package

MINI UHF CONNECTORS

MINI UHF SPECIFICATIONS

MATERIALS:

Body : Brass
 Contacts: Nickel plated brass
 Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: Non constant
 Frequency Range: 0-2GHz
 Voltage Rating: 500VAC
 Withstanding Voltage: 1000V RMS
 Insulation Resistance: 5000MΩ min.

TNC CONNECTORS

TNC SPECIFICATIONS

MATERIALS:

Body: Nickel plated brass
 Contacts: Gold plated brass or phosphor bronze
 Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50Ω
 Frequency range: 0-4 GHz
 Voltage rating: 500VAC
 Withstanding voltage: 1500V RMS
 Insulation resistance: 5000MΩ min.

CHASSIS JACK



21-538-0 Bulk
21-538-1 Package

CRIMP PLUG (RG58/u)



21-748-0 Bulk
21-748-1 Package

CRIMP PLUG RG58/u



21-548-0 Bulk
21-548-1 Package

STANDARD PLUG (RG58/u)



21-758-0 Bulk
21-758-1 Package

'T' CONNECTOR



21-564-0 Bulk
21-564-1 Package

FEMALE JOINER



21-768-0 Bulk
21-768-1 Package

RIGHT ANGLE ELBOW



21-569-0 Bulk
21-569-1 Package

RIGHT ANGLE ELBOW



21-769-0 Bulk
21-769-1 Package

SMA CONNECTORS

SMA SPECIFICATIONS

MATERIALS:

Body: Nickel plated brass
 Contacts: Gold plated brass or phosphor bronze
 Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50Ω
 Frequency range: 0-12.4 GHz
 Voltage rating: 500VAC
 Withstanding voltage: 1500V RMS
 Insulation resistance: 5000MΩ min.

CRIMP PLUG FOR RG174/U



21-847-0 Bulk
21-847-1 Package

CRIMP PLUG FOR RG58/U



21-848-0 Bulk
21-848-1 Package

FEMALE JOINER



21-868-0 Bulk
21-868-1 Package



24-100-0 Bulk
24-100-2 Pkg (2)

Metal body RCA plug. Maximum cable dia. 7.5mm



24-180-0 Bulk
24-180-2 Pkg (2)

Chassis mount RCA jack. 6mm mounting hole.



24-104-0 Bulk
24-104-2 Pkg (2)

Metal plug with strain relief. Maximum cable dia. 4.5mm



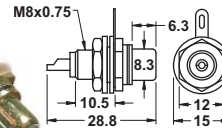
24-181-0 Bulk
24-181-2 Pkg (2)

Gold plated chassis RCA jack. 6mm mounting hole.



24-105-0 RG59/u Pkg
24-105-1 RG6/u Pkg
24-106-0 RG6/u Pkg
24-106-1 Pkg

Use 84-156-1 tool for installation



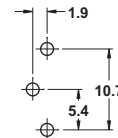
24-183B-0 Black Bulk
24-183R-0 Red Bulk
24-183-2 Pkg (2)

Gold Plated Color coded isolated chassis RCA jack. 8mm mtg hole.



24-101-0 Black
24-102-0 Red
24-109-4 Pkg (4)

Colored plastic body RCA plugs. Max. cable dia. 4.5mm.



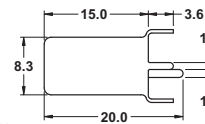
24-191-0 Bulk
24-191-2 Pkg (2)

PC mount RCA jack



24-111-0 Black
24-112-0 Red
24-113-4 Pkg (4)

Colored plastic with strain relief. Max. cable dia. 4.5mm



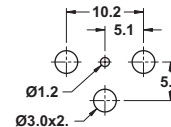
24-192-0 Bulk
24-192-2 Pkg (2)

PC mount RCA jack



24-114-0 Bulk
24-114-2 Pkg (2)

Black plastic right angle RCA plug. Max. cable dia. 5.1mm



24-195-0 Bulk
24-195-2 Pkg (2)

Right angle PC mount RCA jack



24-116-0 Bulk
24-116-2 Pkg (2)

Crimp RCA plug for RG59/u



24-120-0 Bulk
24-120-1 Pkg

Gold plated plug with spring strain relief. Cable dia 5.5mm



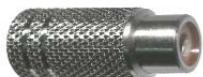
24-121-0 Black
24-122-0 Red
24-123-2 Pkg (2)

Color coded gold plated plugs. Max. cable dia. 5.0mm



24-124-0 Black
24-125-0 Red
24-126-2 Pkg (2)

Color coded gold plated plugs. Max cable dia. 6.0mm



24-150-0 Bulk
24-150-2 Pkg (2)

Metal body RCA jack. Max. cable dia. 7.5mm

Special Order Products
If you have a requirement for items not shown in this Catalog, please contact Mode or your local Distributor and we would be pleased to find an economical source.

Dimensions shown for plugs and jacks are lengths and diameters of the plug body (without S/R). Cable diameter dimension is maximum cable size.

2.5mm PLUGS



24-200-0 Bulk
24-200-2 Pkg (2)

Mono plug 25mm long x 9mm dia. Cable dia. 6mm



24-211-0 Bulk
24-211-2 Pkg (2)

Mono plug 19 x 8mm dia. Cable diameter 4mm



24-221-0 Bulk
24-221-1 Pkg

Stereo plug 23mm x 8mm dia. Cable diameter 4mm



24-223-0 Bulk
24-223-1 Pkg

Stereo plug 24mm x 10mm dia. Cable diameter 4mm

2.5mm JACKS



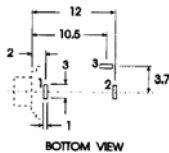
24-271-0 Bulk
24-271-1 Pkg

Inline **stereo** jack Black color. 26mm L x 11mm dia. Cable dia. 5mm



24-281-0 Bulk
24-281-4 Pkg (4)

Mono chassis jack (closed circuit). 4mm mtg. hole



24-285-0 Bulk
24-285-2 Pkg (2)

Mono PC jack C.C.
7.7mm W x 8.5mm H x
10mm D. 4mm mtg.
hole



24-287-0 Bulk
24-287-2 Pkg (2)

Mono chassis jack. 8mm W x
9.6mm H x 8mm D. 4mm mtg.
hole



24-288-0 Bulk
24-288-2 Pkg (2)

Stereo chassis jack. 8mm W x
9.6mm H x 8mm D. 4mm mtg.
hole

3.5mm PLUGS



24-300-0 Bulk
24-300-2 Pkg (2)

Metal **mono** plug 25 x 9mm dia. Cable dia. 6.5mm



24-301-0 Bulk
24-301-2 Pkg (2)

Mono plug 25 x 10mm diameter. Cable dia. 5mm



24-303-0 Bulk
24-303-2 Pkg (2)

Mono plug 24 x 10mm dia. Cable dia. 4mm



24-304-0 Bulk
24-304-2 Pkg (2)

Metal **mono** plug 26 x 9mm dia. Cable dia. 4.5mm



24-310-0 Bulk
24-310-2 Pkg (2)

3.5mm **mono** right angle plug.
Cable diameter 6.75mm



24-319-0 Bulk
24-319-2 Pkg (2)

3.5mm **stereo** right angle plug.
Cable diameter 6.75mm



24-320-0 Bulk
24-320-2 Pkg (2)

Metal **stereo** plug. 25mm x 9mm dia. Cable dia. 6.5mm



24-321-0 Bulk
24-321-2 Pkg (2)

Black plastic **stereo** plug. 25 x 10mm dia. Cable 6mm dia.



24-322-0 Bulk
24-322-2 Pkg (2)

Metal **stereo** plug. 25 x 9mm dia. Cable dia. 4.5mm



24-323-0 Bulk
24-323-2 Pkg (2)

Black plastic **stereo** plug. 52 x 10mm dia. Cable dia. 4mm

Visit our Web Site at
<http://www.mode-elec.com>

3.5mm JACKS



24-351-0 Bulk
24-351-2 Pkg (2)

Black mono jack. 35 x 9mm dia. Cable dia. 6mm



24-353-0 Bulk
24-353-2 Pkg (2)

Metal mono jack. 34 x 10mm dia. Cable dia. 4.5mm



24-354-0 Bulk
24-354-2 Pkg (2)

Black plastic mono jack. 34 x 11mm dia. Cable dia. 4.0mm



24-371-0 Bulk
24-371-1 Pkg

Black plastic stereo jack. 34 x 11mm dia. Cable dia. 4.5mm



24-372-0 Bulk
24-372-2 Pkg (2)

Metal stereo jack. 34 x 10mm dia. Cable dia. 6mm



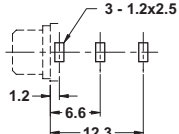
24-373-0 Bulk
24-373-2 Pkg (2)

Metal stereo jack. 34 x 10mm dia. Cable dia. 4.5mm



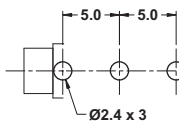
Closed circuit mono chassis jack. Mtg. hole 6mm dia.

24-381-0 Bulk
24-381-4 Pkg (4)



24-383-0 Bulk
24-383-2 Pkg (2)

Mono chassis jack (PC mount also) Mounting hole 6mm diameter.



24-386-0 Bulk
24-386-2 Pkg (2)

PC mount mono closed circuit jack.



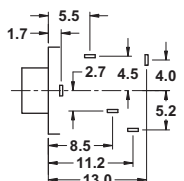
Mono closed circuit chassis jack. 6mm mtg. hole

24-387-0 Bulk
24-387-2 Pkg (2)



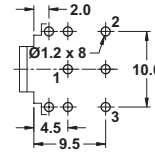
Stereo closed circuit chassis jack. 6mm mtg. hole

24-388-0 Bulk
24-388-1 Pkg



24-391-0 Bulk
24-391-1 Pkg

Stereo PC mount jack with 2 normally closed switches. 6mm mtg.



24-392-0 Bulk
24-392-1 Pkg

Stereo PC mount jack.

1/4" PLUGS



24-600-0 Bulk
24-600-1 Pkg

Metal mono plug. 33 x 12mm dia. Cable dia. 8mm



24-601-0 Bulk
24-601-1 Pkg

Black plastic mono plug. 40 x 13mm dia. Cable dia. 8mm



24-603-0 Bulk
24-603-1 Pkg

Mono plug with strain relief. 38 x 13mm dia. Cable dia. 6mm



24-604-0 Bulk
24-604-1 Pkg

Metal mono plug with spring strain relief. 32 x 12mm dia. Cable dia. 6mm



24-610-0 Bulk
24-610-1 Pkg

Metal right angle mono plug



24-618-0 Bulk
24-618-1 Pkg

Metal right angle stereo plug



24-620-0 Bulk
24-620-1 Pkg

Metal stereo plug. 33 x 12mm dia. Cable dia. 8mm



24-621-0 Bulk
24-621-1 Pkg

Plastic stereo plug. 40 x 13mm dia. Cable dia. 7.5mm



24-622-0 Bulk
24-622-1 Pkg

Metal stereo plug with spring strain relief. 32 x 12mm dia. Cable dia. 6mm



24-623-0 Bulk
24-623-1 Pkg


Stereo plug with strain relief. 37 x 13mm dia. Cable dia. 6mm

1/4" JACKS



24-650-0 Bulk
24-650-1 Pkg

Mono inline jack. 56 x 14mm dia. Cable dia. 6mm




24-653-0 Bulk
24-653-1 Pkg

Metal mono inline jack. 56 x 13mm dia. Cable dia. 6mm



24-670-0 Bulk
24-670-1 Pkg


Stereo inline jack. 56 x 14mm dia. Cable dia. 6.0mm



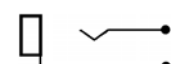
24-673-0 Bulk
24-673-1 Pkg

Metal stereo inline jack. 57 x 13mm dia. Cable dia. 6mm


1/4" CHASSIS JACKS




Mono chassis jack. 9mm mounting hole




24-680-0 Bulk
24-680-1 Pkg



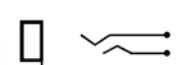
Mono chassis jack with switch. 9mm mounting hole




24-681-0 Bulk
24-681-1 Pkg



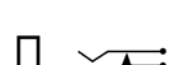
Stereo chassis jack. 9mm mounting hole




24-690-0 Bulk
24-690-1 Pkg




Stereo chassis jack with switch. 9mm mounting hole



24-691-0 Bulk
24-691-1 Pkg



Stereo chassis jack with 2 SPDT switches. 9mm mounting hole



24-697-0 Bulk
24-697-1 Pkg

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

DIN CONNECTORS

INLINE DIN JACKS




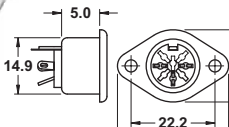
25-130-0 3-position
25-150-0 5-position
25-160-0 6-position
25-180-0 8-position
Use -1 for Display Package

INLINE DIN PLUGS




25-230-0 3-position
25-240-0 4-position
25-250-0 5-position
25-260-0 6-position
25-280-0 8-position
Use -1 for Display Package

CHASSIS MOUNT DIN JACKS

25-340-0 4-position
25-350-0 5-position
25-360-0 6-position
Use -1 for Display Package

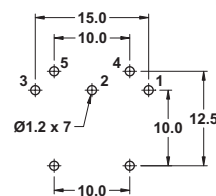
SHIELDED PC MOUNT DIN JACK



25-358-0 5-position
25-358-1 Pkg

PC MOUNT DIN JACK

25-359-0 5-position
25-359-1 Pkg

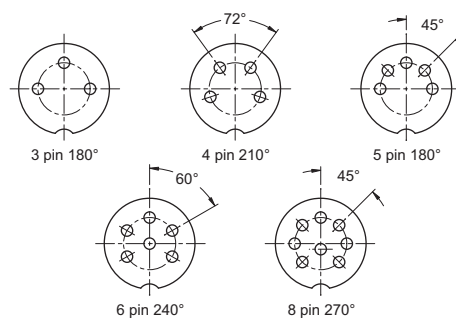


METAL INLINE DIN PLUG



25-450-0 5-pos.
25-450-1 Pkg

STANDARD 'DIN' PIN LAYOUTS



Mini DIN Connectors on next page

MINI DIN CONNECTORS

INLINE JACKS



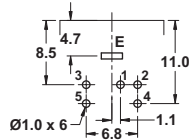
- 26-140-0** 4-position
- 26-160-0** 6-position
- 26-180-0** 8-position
- Use -1 for Display Pkg.

INLINE PLUGS



- 26-240-0** 4-position
- 26-250-0** 5-position
- 26-260-0** 6-position
- 26-280-0** 8-position
- Use -1 for Display Pkg.

PC MOUNT MINI DIN JACKS



- 26-350-0** 5-position
- Use -1 for Display Pkg.

MICROPHONE CONNECTORS



- 25-513-0** 3-pos jack
- 25-513-1** Pkg
- 25-515-0** 5-pos jack
- 25-515-1** Pkg



- 25-523-0** 3-pos plug
- 25-523-1** Pkg
- 25-525-0** 5-pos plug
- 25-525-1** Pkg



- 25-533-0** 3-pos. jack
- 25-533-1** Pkg

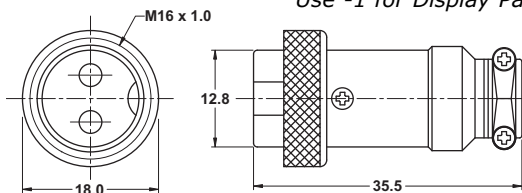


- 25-545-0** 5-pos. plug
- 25-545-1** Pkg

INLINE PLUGS



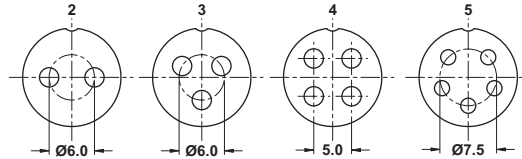
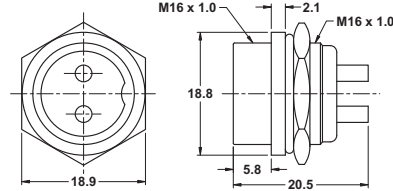
- 25-722-0** 2-position
- 25-723-0** 3-position
- 25-724-0** 4-position
- 25-725-0** 5-position
- 25-726-0** 6-position
- 25-728-0** 8-position
- Use -1 for Display Package



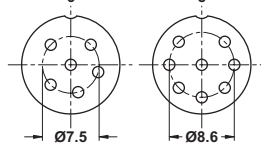
CHASSIS JACKS



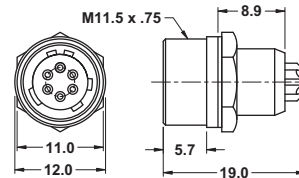
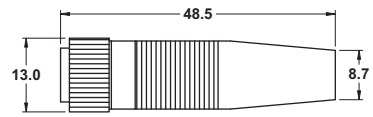
- 25-732-0** 2-position
- 25-733-0** 3-position
- 25-734-0** 4-position
- 25-735-0** 5-position
- 25-736-0** 6-position
- 25-738-0** 8-position
- Use -1 for Display Package



Pin Layout



PRECISION MINIATURE CONNECTOR



This miniature precision six contact connector features gold plated contacts, threaded locking ring and precision fit and finish.

- 25-746-0** 6-position plug
- 25-746-1** Display Package
- 25-756-0** 6-position jack
- 25-756-1** Display Package

WATERPROOF (IP67) CONNECTORS

INLINE PLUGS



- 25-814-0** 4-position
- 25-815-0** 5-position
- 25-818-0** 8-position
- Use -1 for Display Pkg.

CHASSIS JACKS



- 25-834-0** 4-position
- 25-835-0** 5-position
- 25-838-0** 8-position
- Use -1 for Display Pkg.



Gold plated right angle RCA jack to RCA plug adapter.

27-112-0 Bulk
27-112-1 Pkg



RCA jack to RCA jack adapter.

27-116-0 Bulk
27-116-1 Pkg



Gold plated RCA jack to RCA jack adapter.

27-117-0 Bulk
27-117-1 Pkg



RCA jack to 3.5mm plug.

27-132-0 Bulk
27-132-1 Pkg



RCA jack to 1/4" (6.35mm) phone plug.

27-162-0 Bulk
27-162-1 Pkg



2.5mm Stereo Jack to 3.5mm Stereo Plug

27-242-0 Bulk
27-242-1 Pkg



3.5mm jack to RCA plug.

27-312-0 Bulk
27-312-1 Pkg



3.5mm jack to 2.5mm plug.

27-322-0 Bulk
27-322-1 Pkg



3.5mm jack to 1/4" (6.35mm) stereo phone plug.

27-353-0 Bulk
27-353-1 Pkg



3.5mm jack to 1/4" (6.35mm) mono phone plug.

27-362-0 Bulk
27-362-1 Pkg



3.5mm stereo jack to 3.5mm stereo jack.

27-366-0 Bulk
27-366-1 Pkg



3.5mm stereo jack to 2.5mm stereo plug.

27-422-0 Bulk
27-422-1 Pkg



3.5mm stereo jack to 3.5mm mono plug.

27-434-0 Bulk
27-434-1 Pkg



3.5mm stereo jack to 1/4" (6.35mm) stereo phone plug.

27-455-0 Bulk
27-455-1 Pkg



3.5mm stereo jack to 1/4" (6.35mm) mono phone plug.

27-464-0 Bulk
27-464-1 Pkg



1/4" (6.35mm) stereo jack to 3.5mm stereo plug.

27-533-0 Bulk
27-533-1 Pkg



1/4" (6.35mm) stereo jack to 3.5mm mono plug.

27-534-0 Bulk
27-534-1 Pkg



1/4" (6.35mm) mono jack to RCA plug.

27-612-0 Bulk
27-612-1 Pkg



1/4" (6.35mm) mono jack to 3.5mm mono plug.

27-632-0 Bulk
27-632-1 Pkg



1/4" (6.35mm) mono jack to 1/4" (6.35mm) mono jack.

27-666-0 Bulk
27-666-1 Pkg



RCA 'Y' adapter.

27-913-0 Bulk
27-913-1 Pkg



3.5mm stereo plug to
2 3.5mm stereo jacks
27-933-0 Bulk
27-933-1 Pkg.



RCA 'Y' CABLES
6" long

27-912-0 2 RCA Jacks to RCA Plug
27-921-0 2 RCA Plugs to RCA Jack
Use -1 for Display Package



PREMIUM RCA 'Y' CABLES
6" long **NEW!**

- Home theater Y-Cable audio interconnects unparalleled quality and top line performance for home theater audio equipment
- Ultra-Flexible rubberized PVC jacket, 6.0mm OD
- Fully molded construction

27-912P-0 2 RCA Jacks to RCA Plug
27-921P-0 2 RCA Plugs to RCA Jack

MISC. 'Y' CABLES



3.5mm stereo - 2 RCA Jacks 6"
27-972-0 Bulk
27-972-1 Pkg.



3.5mm stereo plug - 2 RCA
plugs. 6' long.
27-974-0 Bulk
27-974-1 Pkg.



Premium 3.5mm stereo
plug - 2 RCA plugs.
6' long **NEW!**
27-975-0 Bulk



3.5mm stereo plug - 2
3.5mm stereo jacks. 6" long
27-978-0 Bulk
27-978-1 Pkg.



**RCA COAXIAL
CABLES**

RCA plug to RCA plug
with RG59/u cable.

28-106G-0 6' Gold
28-112-0 12' long
28-125-0 25' long
28-106G-1 Pkg
28-112-1 Pkg
28-125-1 Pkg



MONO RCA CABLE

6' long RCA plug
to RCA plug.
28-211-0 Bulk
28-211-1 Pkg

3.5mm R/A STEREO CORD 1m



28-232-0 Bulk
28-232-1 Pkg



3.5mm plug to
3.5mm plug.

28-233-0 6' Mono
28-234-0 6' Stereo
28-235-0 12' Stereo
28-236-0 10' Mono
28-233-1 Pkg
28-234-1 Pkg
28-235-1 Pkg
28-236-1 Pkg



3.5mm stereo plug to 3.5mm
stereo jack.

28-244-0 6' long
28-245-0 12' long
28-246-0 25' long
28-244-1 Pkg
28-245-1 Pkg
28-246-1 Pkg

**GOLD PLATED S-VHS
JOINER**



28-366-0 Bulk
28-366-1 Pkg.



S-VHS CABLES

Gold plated

28-303-0 3' long
28-306-0 6' long
28-312-0 12' long
28-325-0 25' long
28-350-0 50' long
28-303-1 Pkg
28-306-1 Pkg
28-312-1 Pkg
28-325-1 Pkg
28-350-1 Pkg



**S-VHS PATCH
CABLES**

S-VHS + Stereo Audio
extension cables -
gold plated.

28-320-0 6' long
28-321-0 12' long
28-320-1 Pkg
28-321-1 Pkg



**PREMIUM STEREO
RCA CABLE**

28-511P-0 3' long
28-611P-0 6' long
28-711P-0 12' long
28-811P-0 25' long

- High-Definition home theater RCA interconnects unparalleled quality and top line performance for home theater audio equipment
- Ultra-Flexible rubberized PVC jacket, 6.0mm OD
- High-Retention RCA plugs
- Fully molded construction





STEREO AUDIO CABLES

Dual RCA plugs on both ends.

28-511-0	3' long	28-511-1	Pkg
28-611-0	6' long	28-611-1	Pkg
28-711-0	12' long	28-711-1	Pkg
28-811-0	20' long	28-811-1	Pkg



GOLD PLATED STEREO AUDIO CABLES

Dual gold plated RCA plugs on both ends.

28-512-0	3' long	28-512-1	Pkg
28-612-0	6' long	28-612-1	Pkg
28-712-0	12' long	28-712-1	Pkg
28-812-0	20' long	28-812-1	Pkg



GOLD PLATED VIDEO CABLES

Gold plated video cables - two audio lines plus shielded video line.

28-411-0	3' long	28-411-1	Pkg
28-412-0	6' long	28-412-1	Pkg
28-413-0	12' long	28-413-1	Pkg
28-414-0	18' long	28-414-1	Pkg
28-415-0	25' long	28-415-1	Pkg



PREMIUM STEREO PATCH CORD

RCA Premium Patch Cord

28-513-0	3' long	28-513-1	Pkg
28-613-0	6' long	28-613-1	Pkg
28-713-0	12' long	28-713-1	Pkg



COMPONENT VIDEO CABLE

3-RCA Component-Video Cable. Color is Ivory.

28-523-0	3' long	28-523-1	Pkg
28-623-0	6' long	28-623-1	Pkg
28-723-0	12' long	28-723-1	Pkg



HDMI CABLE

28-801-0	6' long
28-802-0	10' long
28-803-0	15' long

Use -1 for Display Package



SINGLE LINK DVI-D CABLE

28-614-0	6' long
28-616-0	12' long

Use -1 for Display Package

- Installs easily on any DVD-D socket. Superior TMDS Signal Resolution
- Single Link cable supports video resolutions up to 1920 x 1080 and data rates to 4.95Gbps
- Dual Link cable supports video resolutions up to 2048 x 1536 and data rates to 9.9Gbps
- Fully molded construction Super-flexible satin black PVC jacket
- AWG28 tinned copper conductors
- 24K gold-plated contacts

DUAL LINK DVI-D CABLE

28-806-0	6' long	28-806-1	Pkg
28-807-0	10' long	28-807-1	Pkg
28-808-0	12' long	28-808-1	Pkg

- Ideal for HDTV sets, DVD players/recorders and set-top boxes
- Compatible with all HDMI devices
- Carries high-definition digital video and multi-channel audio in one cable
- Supports video resolutions up to 1920x1080 and data rates to 5Gbps
- Fully molded construction
- Super-flexible satin black PVC jacket
- HDMI and HDCP compliant
- 24K gold-plated contacts

STEREO HEADPHONE EXTENSION



Coiled 1/4" phone plug extension cord. Extends to 25'.

28-975-0	Bulk	28-975-1	Pkg
-----------------	------	-----------------	-----

D-SUB SPECIFICATIONS

MATERIALS

Shell: Tin or zinc over copper plated steel
 Contacts: Male - Brass (gold plated over nickel)
 Female - Gold plated phosphor bronze
 Insulator: PBT & glass-fibre reinforced UL94V-0

ELECTRICAL

Current rating: 3 amps
 Working voltage: 125V RMS
 Dielectric strength: 1000 volts for 1 minute
 Insulation resistance: 1000MΩ @ 500VDC
 Temperature range: -55 to +105 degrees C

SOLDER D-SUB CONNECTORS

MALE

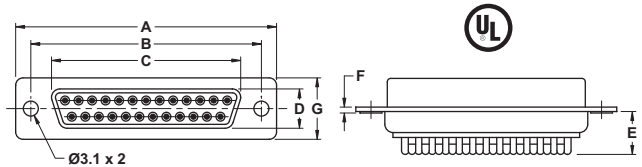
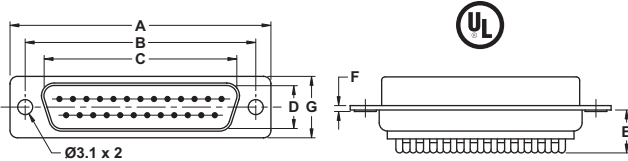


30-110-0 9-position
30-111-0 15-position
30-112-0 25-position
30-113-0 37-position
30-114-0 50-position
 Use -1 for Display Package

FEMALE



30-120-0 9-position
30-121-0 15-position
30-122-0 25-position
30-123-0 37-position
 Use -1 for Display Package



Size	A	B	C	D	E	F	G
9-pin	30.80	25.00	16.92	8.30	8.0	1.2	12.5
15-pin	39.20	33.30	25.25	8.30	8.0	1.2	12.5
25-pin	53.10	47.10	38.96	8.30	8.0	1.2	12.5
37-pin	69.40	63.50	55.42	8.30	8.0	1.2	12.5
50-pin	67.00	61.00	52.81	11.30	8.0	1.2	15.3

Size	A	B	C	D	E	F	G
9-pin	30.80	25.00	16.30	7.90	8.0	1.2	12.5
15-pin	39.20	33.30	24.60	7.90	8.0	1.2	12.5
25-pin	53.10	47.10	38.30	7.90	8.0	1.2	12.5
37-pin	69.40	63.50	54.80	7.90	8.0	1.2	12.5
50-pin	67.00	61.00	52.20	10.90	8.0	1.2	15.3

CRIMP D-SUB CONNECTORS

MALE

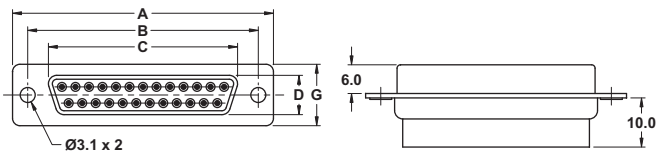
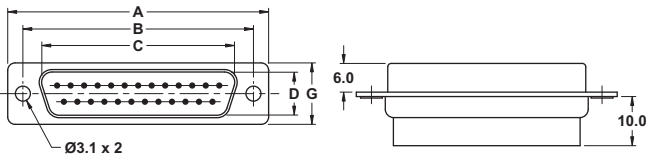


30-210-0 9-position
30-211-0 15-position
30-212-0 25-position
30-213-0 37-position
 Display package (-1) contains connector body plus contacts

FEMALE



30-220-0 9-position
30-221-0 15-position
30-222-0 25-position
30-223-0 37-position
 Display package (-1) contains connector body plus contacts



Size	A	B	C	D	G
9-pin	30.80	25.00	16.92	8.30	12.5
15-pin	39.20	33.30	25.25	8.30	12.5
25-pin	53.10	47.10	38.96	8.30	12.5
37-pin	69.40	63.50	55.42	8.30	12.5
50-pin	67.00	61.00	52.81	11.30	15.3

Size	A	B	C	D	G
9-pin	30.80	25.00	16.30	7.90	12.5
15-pin	39.20	33.30	24.60	7.90	12.5
25-pin	53.10	47.10	38.30	7.90	12.5
37-pin	69.40	63.50	54.80	7.90	12.5

D-SUB CRIMP CONTACTS

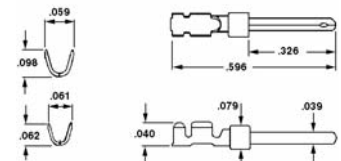
Contacts for 30-21X and 30-22X series D-sub connectors.

Gold plated D-sub contacts. Suitable for 26-28 AWG wire size.



30-226-0 Male contacts (loose)
30-226-100 Display Package (100)

30-228-0 Female contacts (loose)
30-228-100 Display Package (100)



D-SUB ACCESSORIES

FEMALE LOCK POSTS



Locking hardware c/w nuts & washers (set of two)

30-023-0 Bulk only

MALE LOCK SCREWS



Locking screws c/w clip-on captivators (set of two)

30-028-0 Bulk only

MALE LOCK POSTS



Knurled lock posts - use with hoods (set 2)

30-030-0 Bulk only

D-SUB HOODS

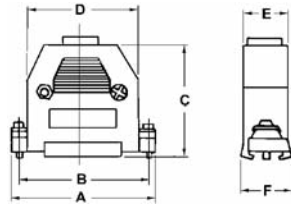
Grey plastic D-sub hoods complete with all hardware

- 30-130-0** 9-position
 - 30-131-0** 15-position
 - 30-132-0** 25-position
 - 30-133-0** 37-position
 - 30-134-0** 50-position
- Use -1 for Display Package



Chrome plated plastic D-sub hoods for EMI/RFI shielding

- 30-230-0** 9-position
 - 30-231-0** 15-position
 - 30-232-0** 25-position
 - 30-233-0** 37-position
 - 30-234-0** 50-position
- Use -1 for Display Package



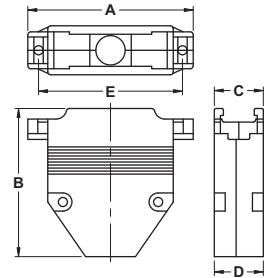
Size	A	B	C	D	E	F
9-pin	31.00	24.99	39.50	20.50	16.5	16.5
15-pin	39.00	33.52	35.50	28.00	16.5	17.5
25-pin	55.50	47.04	41.00	37.00	16.5	16.5
37-pin	69.50	63.50	51.00	51.00	24.0	19.0
50-pin	69.10	61.11	44.00	54.50	20.0	19.0



Die Cast Metal D-sub hoods complete with all hardware

- 30-230M-0** 9-position
 - 30-231M-0** 15-position
 - 30-232M-0** 25-position
- Use -1 for Display Package

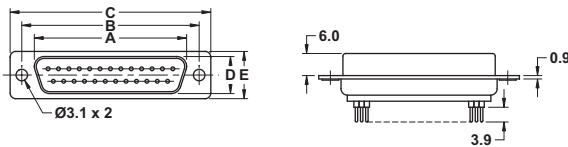
Size	A	B	C	D	E
9-pin	31.00	47.00	15.60	15.80	24.99
15-pin	40.00	48.00	15.80	15.80	33.32
25-pin	53.50	48.00	16.00	16.00	47.04



PRINTED CIRCUIT MOUNT D-SUBS

MALE

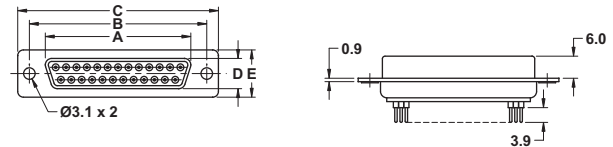
- 30-310-0** 9-position
 - 30-311-0** 15-position
 - 30-313-0** 37-position
 - 30-314-0** 50-position
- Use -1 for Display Package



Size	A	B	C	D	E
9-pin	16.92	25.00	30.80	8.30	12.5
15-pin	25.25	33.30	39.20	8.30	12.5
25-pin	39.96	47.10	53.10	8.30	12.5
37-pin	55.42	63.50	69.40	8.30	12.5
50-pin	52.81	61.00	67.00	11.30	15.3

FEMALE

- 30-320-0** 9-position
 - 30-322-0** 25-position
 - 30-323-0** 37-position
 - 30-324-0** 50-position
- Use -1 for Display Package



Size	A	B	C	D	E
9-pin	16.30	25.00	30.80	7.90	12.5
25-pin	38.30	47.10	53.10	7.90	12.5
37-pin	54.80	63.50	69.40	7.90	12.5
50-pin	52.20	61.00	67.00	10.9	15.3

MALE

HIGH DENSITY SOLDER D-SUBS

FEMALE

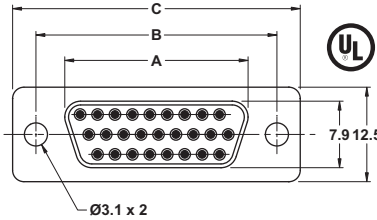
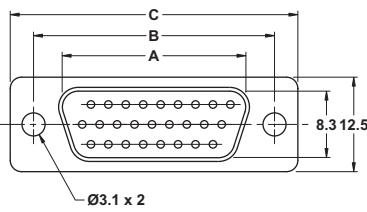


- 30-810-0** 15-position
- 30-811-0** 26-position
- 30-812-0** 44-position
- Use -1 for Display Package

- 30-820-0** 15-position
- 30-821-0** 26-position
- Use -1 for Display Package



Size	A	B	C
15-pin	16.92	25.00	30.80
26-pin	25.25	33.30	39.20
44-pin	38.96	47.10	53.10



Size	A	B	C
15-pin	16.30	25.00	30.80
26-pin	24.60	33.30	39.20

RIGHT ANGLE P.C. MOUNT D-SUB

.318"/8.1mm footprint

MALE

FEMALE

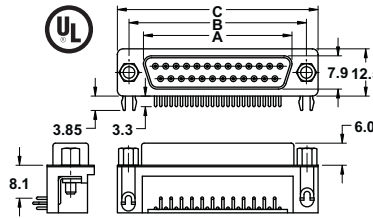
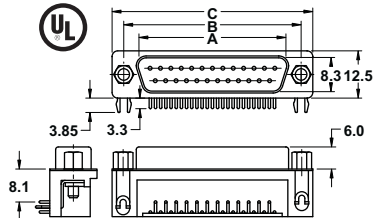


- 30-410-0** 9-position
- 30-411-0** 15-position
- 30-412-0** 25-position
- Use -1 for Display Package

- 30-420-0** 9-position
- 30-421-0** 15-position
- 30-422-0** 25-position
- 30-423-0** 37-position
- Use -1 for Display Package



Size	A	B	C
9-pin	16.92	25.00	30.80
15-pin	25.25	33.30	39.20
25-pin	38.60	47.10	53.10



Size	A	B	C
9-pin	16.30	25.00	30.80
15-pin	24.60	33.30	39.20
25-pin	38.30	47.10	53.10
37-pin	54.80	63.50	69.4

MALE

RIBBON CABLE D-SUBS

FEMALE

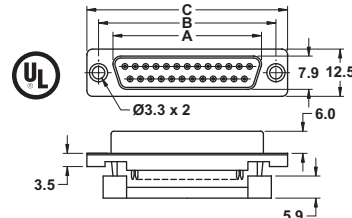
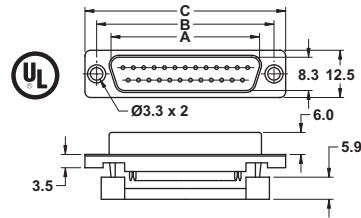


- 30-710-0** 9-position
- 30-711-0** 15-position
- 30-712-0** 25-position
- 30-713-0** 37-position
- Use -1 for Display Package

- 30-720-0** 9-position
- 30-721-0** 15-position
- 30-722-0** 25-position
- Use -1 for Display Package



Size	A	B	C
9-pin	16.92	25.00	30.80
15-pin	25.25	33.30	39.20
25-pin	38.60	47.10	53.10
37-pin	55.42	63.50	69.4



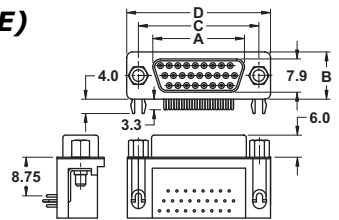
Size	A	B	C
9-pin	16.30	25.00	30.80
15-pin	24.60	33.30	39.20
25-pin	38.30	47.10	53.10

HIGH DENSITY R/A P.C. MOUNT D-SUBS (FEMALE)



- 30-860-0** 15-position
- 30-861-0** 26-position
- Use -1 for Display Package

Size	A	B	C	D
15-pin	16.30	12.5	25.00	30.80
26-pin	24.60	12.5	33.30	39.20



CENTRONICS CONNECTOR

RIBBON CABLE PLUG



- 30-942-0** 36-position
- Use -1 for Display Package

cUL **2/18 LINE CORDS (6' LONG)**



2-wire line cord
- 18/2 SPT-1

31-021-0 Bulk

cUL **3/18 SVT LINE CORD (6' LONG)**



Black jacket 3/18 SVT
6' long with stripped
and tinned leads. 75
degree C cable.

31-031-0 Bulk

cUL **EQUIPMENT POWER CORD (6' LONG)**



Black jacket 3/18
equipment cord with
plug & socket (socket
mates with 31-045-0)

31-035-0 Bulk



LINE CORDS (R/A PLUG)



Black jacket, 105
degree C cable with
R/A plug and stripped
and tinned leads.

31-030RA-0	SVT	18/3	10'	Bulk
31-031RA-0	SVT	18/3	6'	Bulk
31-032RA-0	SJT	16/3	6'	Bulk
31-033RA-0	SJT	16/3	10'	Bulk
31-034RA-0	SJT	14/3	10'	Bulk



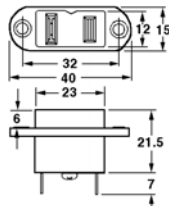
EQUIPMENT POWER CORDS (R/A PLUG)



Black jacket, 105
degree C cable with
R/A plug and socket
(socket mates with
31-045-0).

31-035RA-0	SVT	18/3	6'	Bulk
31-036RA-0	SVT	18/3	10'	Bulk
31-037RA-0	SJT	16/3	6'	Bulk
31-038RA-0	SJT	16/3	10'	Bulk
31-039RA-0	SJT	14/3	10'	Bulk

SP **2-WIRE CHASSIS RECEPTACLE**



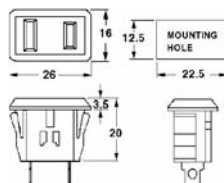
15A/125VAC

31-040-0 Bulk
31-040-1 Pkg.

SP **2-WIRE SNAP-IN RECEPTACLE**



15A/250VAC

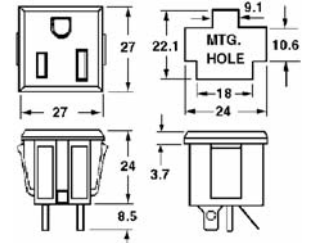


31-041-0 Bulk
31-041-1 Pkg.

SP **3-WIRE CHASSIS RECEPTACLE**



15A/250VAC

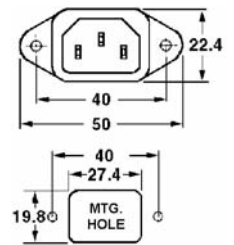


31-043-0 Bulk
31-043-1 Pkg.

SP **3-WIRE CHASSIS RECEPTACLE**



15A/250VAC
50/60Hz



31-045-0 Bulk
31-045-1 Pkg.

AC OUTLET STRIP

Electrical Rating: 125VAC 15Amp



6 outlet power distribution strip with lighted power switch/
breaker and surge suppression. Durable metal case with 6'
cord. Outlets turned 90 degrees for AC adapters.
Attractive Mode display box.

31-062-1 Display Box

AC OUTLET STRIP

Electrical Rating: 125VAC 15Amp



6 outlet power distribution strip with lighted power switch/
breaker and surge suppression. Durable Plastic case with
6' cord. Outlets turned 90 degrees for AC adapters.
Attractive Mode display box.

31-063-1 Display Box



6 OUTLETS POWER STRIP

- Heavy Duty Metal Construction
- Heavy Duty 6' Power Cord (14AWG x 3C)
- Illuminated On-Off Power Switch with built-in 15 amp Circuit Breaker
- Built-in Cord Organizer
- Surge Indicator LED
- 6 Surge Protected Outlets (2 Wide Spaced)

31-065-1 Display Box



8 OUTLETS POWER STRIP

- Heavy Duty Metal Construction
- Heavy Duty 6' Power Cord (14AWG x 3C)
- Illuminated On-Off Power Switch with built-in 15 amp Circuit Breaker
- Built-in Cord Organizer
- Surge Indicator LED
- 8 Surge Protected Outlets (3 Wide Spaced)

31-066-1 Display Box



HOME OR OFFICE SURGE ARRESTER WITH PHONE AND COAX PROTECTION

- Heavy Duty 6' Power Cord (14AWG x 3C)
- Telephone and Coax Line Protection
- Illuminated On-Off Power Switch/Circuit Breaker
- Surge Indicator LED
- 8 Surge Protected Outlets (3 Wide Spaced)

31-067-1 Display Box

DC POWER PRODUCTS

FEMALE AUTO POWER JACK



Female inline jack. Accepts 31-085, 31-088, 31-097, 31-089, 31-099, 31-085E.

31-080-0 Bulk
31-080-1 Pkg.

AUTO POWER PLUG c/w LED



Fuseable auto power plug with green LED indicator.

31-085-0 3A/12VDC Bulk
31-085-1 3A/12VDC Pkg.

AUTO POWER PLUG c/w LED



Fuseable auto power plug with green LED indicator.

31-085E-0 10A/12VDC Bulk

AUTO POWER PLUG, FUSEABLE



31-088-0 Bulk
31-088-1 Pkg.

Auto cigarette lighter plug with fuse holder.

STANDARD AUTO PLUG



31-089-0 Bulk
31-089-1 Pkg.

Standard auto cigarette lighter plug.



AUTO PLUG/CORD

2.1mm Plug 8' cord
Rating: 3 Amps @ 12VDC

31-099-0 Bulk
31-099-1 Pkg.

DC POWER PLUGS



31-101-0 1.3mm I.D.
31-121-0 2.1mm I.D.
31-141-0 2.5mm I.D.

9.5mm barrel length
4 mm cable diameter

Use -2 for Display Pkg.



2.1mm I.D.

14mm barrel length
4 mm cable diameter

31-122-0 Bulk
31-122-1 Pkg.



31-123-0 2.1mm I.D.
31-143-0 2.5mm I.D.
31-161-0 3.0mm I.D.

9.5mm barrel length
4.3mm cable diameter

Use -2 for Display Pkg.



31-124-0 2.1mm I.D.
31-144-0 2.5mm I.D.

14mm barrel length
4.3mm cable diameter

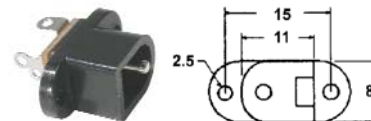
Use -2 for Display Pkg.

DC POWER JACKS



31-132-0 2.1mm
31-152-0 2.5mm

Use -1 for Display Pkg.



Max. 2A @ 16VDC

31-133-0 2.1mm
31-153-0 2.5mm
Use -2 for Display Pkg.



Max. 2A @ 16VDC

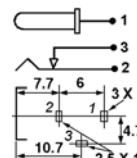
31-134-0 2.1mm
31-154-0 2.5mm
Use -2 for Display Pkg.

13mm chassis mtg. hole.



Compact isolated chassis mount DC power jack. 8mm mounting hole. Max. 2A @ 16VDC.


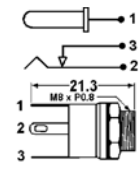
31-134M-0 2.1mm
31-154M-0 2.5mm
Use -2 for Display Pkg.




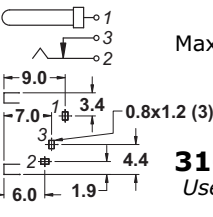
Max. 2.5A @ 16VDC

31-155-0 2.1mm
31-156-0 2.5mm
Use -2 for Display Pkg.

PBT Material 220 deg. C

Max. 2A @ 16VDC
31-157-0 2.1mm
31-158-0 2.5mm
 Use -1 for Display Pkg.


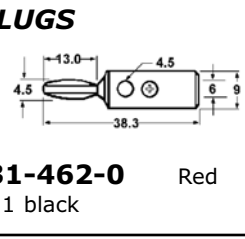
Max. 2A @ 16VDC
31-159-0 2.5mm
 Use -2 for Display Pkg.

DUAL BINDING POSTS




Gold plated
31-440-0 Bulk **31-440-1** Pkg

BANANA PLUGS

31-461-0 Black **31-462-0** Red
31-460-2 Pkg 1 red 1 black

TEST JACKS & PLUGS

CHASSIS BANANA JACKS




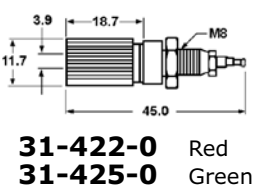

31-401-0 Black **31-402-0** Red
31-400-2 Red and Black Pkg (2)

CHASSIS BANANA JACKS




Multi-colored chassis mounting Banana jacks.
31-411-0 Black **31-412-0** Red
31-414-0 Yellow **31-415-0** Green
31-416-0 Blue **31-419-0** White
31-410-2 Red/Black **31-410-6** Asst. (6)

BINDING POSTS

31-421-0 Black **31-422-0** Red
31-420-2 Pkg (red & blk) **31-425-0** Green

LARGE BINDING POSTS




Gold plated. 15A @ 125V AC
31-441-0 Black **31-442-0** Red
31-443-2 Pkg (red & blk)


LOW PROFILE BINDING POSTS




31-431-0 Black **31-432-0** Red
31-430-2 Pkg 1 red 1 black

COMPUTER ACCESSORIES

RS232 GENDER CHANGERS




Low profile gender changers with appropriate mounting hardware.
 Use -1 for Display Package (except 32-025-0)

Positions	male-male	male-female	fem-fem
9-pos.	32-021-0	32-022-0	32-023-0
15-pos.			32-026-0
25-pos.	32-027-0	32-028-0	32-029-0

32-021HD-0 15-pos., high density, male-male
32-023HD-0 15-pos., high density, fem.-fem.

MODULAR PHONE JACK TO RS232 ADAPTERS



Note: RJ45(8C) types will accept RJ12(6C) plugs.
 RJ12 = 6P/6C
 RJ45 = 8P/8C

32-321-0 RJ45(8C) - 9-position male
32-322-0 RJ45(8C) - 9-position female
32-323-0 RJ45(8C) - 15-position male
32-325-0 RJ45(8C) - 25-position male
32-326-0 RJ45(8C) - 25-position female
 Use -1 for Display Package

A-A USB2.0 CABLE



32-406-0 6' long **32-406-1** Pkg
32-410-0 10' long **32-410-1** Pkg



60MHz SCOPE PROBE

1.5 meter length
Attenuation: 1x and 10x
Input Resistance: 1 M and 10 M ohms
Bandwidth: 6MHz(400V Peak to peak max.)
60MHz(600V peak to peak max.)
Compensation adjustment in BNC connector

33-010-0 Bulk
33-010-1 Display Package



100MHz SCOPE PROBE

1.5 meter length
Attenuation: 1x and 10x
Input Resistance: 1 M and 10 M ohms
Bandwidth: 10MHz (300V peak to peak max.)
100MHz (600V peak to peak max.)
Compensation adjustment in BNC connector
Includes multi-accessory kit

33-015-0 Bulk
33-015-1 Display Package

METER REPLACEMENT LEAD



Set of red & black test leads with banana plugs. Plugs & probes are molded.

33-140-0 Set(bulk)
33-140-2 Package

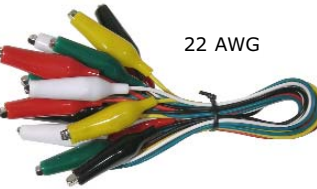
CLIP LEAD SETS



24 AWG

Set of 10 18" clip leads with 31mm insulated clips. 24 AWG stranded wires. Colors: 2 red, 2 black, 2 green, 2 yellow, 2 white

33-210-0 Bulk set 10
33-210-10 Display Pkg



22 AWG

Set of 10 heavy duty 24" clip leads with 50mm clips. 5 different colors.

33-220-0 Bulk set 10
33-220-10 Display Pkg

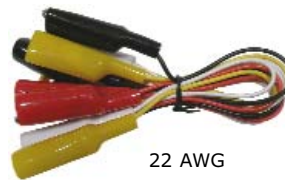
NATURAL NYLON CABLE TIES



High quality nylon cable ties available in bags of 1000 or smaller quantity display packages.

	Length	Width	Load
34-121-100	3.5" (90mm)	2.4mm	8 Kg
34-121-1000			
34-122-100	4" (100mm)	2.5mm	8 Kg
34-122-1000			
34-123-100	5.5" (140mm)	3.6mm	18Kg
34-123-1000			
34-124-100	7.5" (188mm)	4.8mm	22Kg
34-124-1000			
34-125-100	8" (200mm)	4.8mm	22Kg
34-125-1000			
34-126-50	11" (300mm)	4.8mm	22kg
34-126-1000			

Note: -1000 are bulk packages of 1,000. Others are Display Packages.



22 AWG

Set of 4 heavy duty 30" clip leads with 50mm clips. Colors: black, red, yellow, white.

33-230-0 Bulk set 4
33-230-4 Display Pkg

SEIZER PROBES (55mm)



33-361-0 Black
33-362-0 Red
33-360-2 Pkg
1 red 1 black

32mm ALLIGATOR CLIPS



33-400-0 Bulk
33-400-10 Pkg (10)

32mm INSULATED ALLIGATOR CLIPS



Note: The 33-409-0 contains 10 clips in 5 colors, the -10 is a display package of 10.

33-409-0 Bulk set 10
33-409-10 Pkg (10)

40mm INSULATED ALLIGATOR CLIPS



33-411-0 Bulk black
33-412-0 Bulk red
33-419-10 Pkg 5 red/black

51mm ALLIGATOR CLIPS (with screw)



33-430-0 Bulk
33-430-10 Pkg (10)

51mm INSULATED ALLIGATOR CLIPS



33-431-0 Bulk black
33-432-0 Bulk red
33-439-10 Pkg 5 red/black

NATURAL COLOR CABLE TIES



Colored, high quality nylon cable ties. Load: 8Kg

	Length	Width	Color
34-122BL-100	4" (100mm)	2.5mm	Blue
34-122BL-1000	4" (100mm)	2.5mm	Blue
34-122GN-100	4" (100mm)	2.5mm	Green
34-122GN-1000	4" (100mm)	2.5mm	Green
34-122RD-100	4" (100mm)	2.5mm	Red
34-122RD-1000	4" (100mm)	2.5mm	Red
34-122YL-100	4" (100mm)	2.5mm	Yellow
34-122YL-1000	4" (100mm)	2.5mm	Yellow

SCREW MOUNT CABLE TIES



	Length	Width	Load
34-143-50	6" (150mm)	4.8mm	22kg
34-143-1000			
34-144-50	8" (200mm)	4.8mm	22kg
34-144-1000			
34-146-25	11" (300mm)	4.8mm	22kg
34-146-1000			

Note: -1000 are bulk packages of 1,000.
Others are Display Packages.

WEATHER RESISTANT CABLE TIES

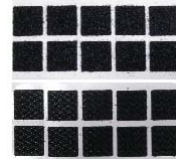


High quality black nylon cable ties suitable for outdoor use. Available in bags of 1000 or smaller quantity display packages. Temperature range: -10 deg. C to 85 deg. C

	Length	Width	Load
34-131-100	3.5" (90mm)	2.4mm	8 Kg
34-131-1000			
34-132-100	4" (100mm)	2.5mm	8 Kg
34-132-1000			
34-133-100	5.5" (140mm)	3.6mm	18Kg
34-133-1000			
34-134-50	7.5" (188mm)	4.8mm	22Kg
34-134-1000			
34-135-50	8" (200mm)	4.8mm	22Kg
34-135-1000			
34-136-25	11" (300mm)	4.8mm	22kg
34-136-1000			

Note: -1000 are bulk packages of 1,000.
Others are Display Packages.

HOOK & LOOP CABLE TIES



Adhesive Pads



34-150-10	6" Blk	Pkg. 10
34-150-100	6" Blk	Pkg. 100
34-151-10	6" Red	Pkg. 10
34-151-100	6" Red	Pkg. 100
34-152-10	6" Green	Pkg. 10
34-152-100	6" Green	Pkg. 100
34-153-10	6" Yellow	Pkg. 10
34-153-100	6" Yellow	Pkg. 100
34-154-10	6" Blue	Pkg. 10
34-154-100	6" Blue	Pkg. 100
34-155-10	8" Blk	Pkg. 10
34-155-100	8" Blk	Pkg. 100
34-156-10	8" Red	Pkg. 10
34-156-100	8" Red	Pkg. 100
34-157-10	8" Green	Pkg. 10
34-157-100	8" Green	Pkg. 100
34-158-10	8" Yellow	Pkg. 10
34-158-100	8" Yellow	Pkg. 100
34-159-10	8" Blue	Pkg. 10
34-159-100	8" Blue	Pkg. 100
34-160-10	Adhesive Pads	Pkg. 10
34-160-50	Adhesive Pads	Pkg. 50

All are Display Packages.

IMPORTANT NOTE ABOUT NYLON CABLE TIES:

Nylon cable ties are affected by relative humidity. If the humidity is low the cable ties dry out, lose strength and could become brittle. If you experience this problem, adding a small amount of water (a few drops) to the bag will restore the flexibility and strength to the cable tie.

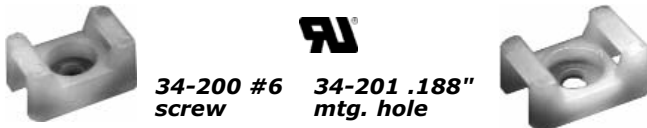


CABLE TIE TOOL

Handy cable tie tensioner and cut-off tool. Made of very durable polymer material.

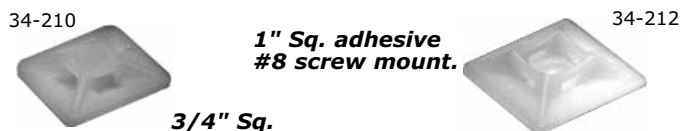
34-900-0	Bulk	34-900-1	Pkg.
-----------------	------	-----------------	------

CABLE TIE MOUNTS (SCREW TYPE)



34-200-25	Pkg (25)	34-200-100	Bulk
34-201-25	Pkg (25)	34-201-100	Bulk

ADHESIVE CABLE TIE MOUNTS



34-210-25	Pkg (25)	34-210-100	Bulk
34-212-25	Pkg (25)	34-212-100	Bulk

NYLON CABLE CLAMPS



34-300-100	1/8" diameter	Disp. Pkg
34-300-1000	1/8" diameter	Bulk
34-302-100	1/4" diameter	Disp. Pkg
34-302-1000	1/4" diameter	Bulk
34-304-100	3/8" diameter	Disp. Pkg
34-304-1000	3/8" diameter	Bulk
34-306-100	1/2" diameter	Disp. Pkg.
34-306-1000	1/2" diameter	Bulk
34-310-100	3/4" diameter	Disp. Pkg.

SPIRAL WRAP

Natural color polyethylene spiral wrap. 10 Meter rolls.



34-410-10M	1/8" - 1/2" dia.	10 meters
34-420-10M	1/4" - 2" dia.	10 meters
34-440-10M	3/8" - 3" dia.	10 meters
34-450-10M	1/2" - 4" dia.	10 meters

FLEXIBLE GROMMET



Natural color polyethylene flexible grommet. 10 M rolls.

34-511-10M	1/32" chassis thickness	10 meters
34-512-10M	1/16" chassis thickness	10 meters
34-514-10M	3/32" chassis thickness	10 meters
34-515-10M	1/8" chassis thickness	10 meters

FLEXIBLE CONDUIT



Black polypropylene flexible conduit. Split for easy wire insertion. **Note:** Lengths vary as shown below.

Dimensions shown below are inside diameters.

34-521-300M	1/4"	300 meters	Bulk
34-521-30M	1/4"	30 meters	Bulk
34-521-10M	1/4"	10 meters	Bulk
34-522-200M	3/8"	200 meters	Bulk
34-522-30M	3/8"	30 meters	Bulk
34-522-10M	3/8"	10 meters	Bulk
34-523-200M	1/2"	200 meters	Bulk
34-523-30M	1/2"	30 meters	Bulk
34-523-10M	1/2"	10 meters	Bulk
34-524-100M	3/4"	100 meters	Bulk
34-524-30M	3/4"	30 meters	Bulk
34-524-10M	3/4"	10 meters	Bulk
34-525-100M	7/8"	100 meters	Bulk
34-525-30M	7/8"	30 meters	Bulk
34-525-10M	7/8"	10 meters	Bulk
34-526-50M	1"	50 meters	Bulk
34-526-10M	1"	10 meters	Bulk

HOLE PLUGS



94V-2 black nylon hole plugs

34-612-0	for 3/8" hole	Bulk
34-612-50	for 3/8" hole	Pkg. 50
34-613-0	for 1/2" hole	Bulk
34-613-50	for 1/2" hole	Pkg. 50
34-614-0	for 5/8" hole	Bulk
34-614-50	for 5/8" hole	Pkg. 50
34-615-0	for 3/4" hole	Bulk
34-615-25	for 3/4" hole	Pkg. 25
34-616-0	for 7/8" hole	Bulk
34-616-25	for 7/8" hole	Pkg. 25
34-617-0	for 1" hole	Bulk
34-617-25	for 1" hole	Pkg. 25

SNAP-IN BUSHINGS



94V-2 black nylon snap-in bushings

34-622-0	for 3/8" hole	1/4" I.D.	Bulk
34-622-50	for 3/8" hole	1/4" I.D.	Pkg. 50
34-623-0	for 1/2" hole	5/16" I.D.	Bulk
34-623-50	for 1/2" hole	5/16" I.D.	Pkg. 50
34-624-0	for 5/8" hole	1/2" I.D.	Bulk
34-624-50	for 5/8" hole	1/2" I.D.	Pkg. 50
34-625-0	for 3/4" hole	9/16" I.D.	Bulk
34-625-25	for 3/4" hole	9/16" I.D.	Pkg. 25
34-626-0	for 7/8" hole	11/16" I.D.	Bulk
34-626-25	for 7/8" hole	11/16" I.D.	Pkg. 25
34-627-0	for 1" hole	3/4" I.D.	Bulk
34-627-25	for 1" hole	3/4" I.D.	Pkg. 25

STRAIN RELIEF BUSHINGS



94V-2 black nylon strain relief bushings

34-630-0	SPT-1 18/2 R/Angle .1" chassis	Bulk
34-632-0	SPT-1 18/2 .100" chassis	Bulk
34-632-50	SPT-1 18/2 .100" chassis	Pkg. 50
34-634-0	SVT 18/3 .100" chassis	Bulk
34-634-50	SVT 18/3 .100" chassis	Pkg. 50
34-635-0	SJT 18/3 .062" chassis	Bulk
34-635-25	SJT 18/3 .062" chassis	Pkg. 50
34-636-0	SJT 18/3 .100" chassis	Bulk

STRAIN RELIEF INSTALLATION TOOL




34-901-1 Pkg.

HEAT SHRINK TUBING ASSORTMENTS



120 Pieces Black Heat Shrink in a reusable plastic box. Contains: 60x1.5mm, 35x2mm, 25x3mm, 15x5mm, 10x6mm, 10x10mm - 100mm long. Shrink ratio 2:1

34-649-1 Pkg 



110 6" pieces - 4 pieces of each color and size of 3/32", 1/8", 3/16", 1/4" and 3/8" + 2 piece of each color of 1/2". Packed in a durable plastic case.

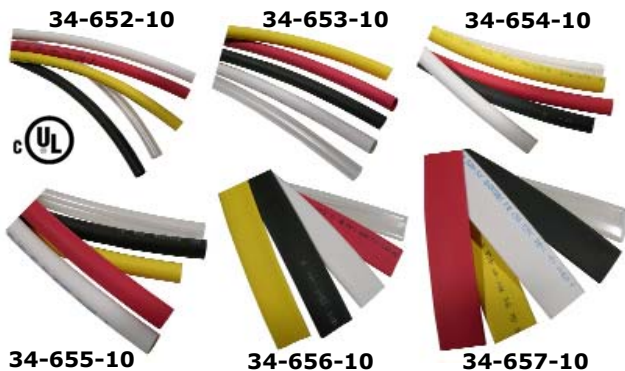
34-650-1 Pkg 



120 Pieces Colored Heat Shrink in a reusable plastic box. Contains: 30x2mm, 25x3mm, 25x4mm, 20x5mm, 10x6mm, 10x10mm - 100mm long. Shrink ratio 2:1

34-651-1 Pkg 

UL/CSA approved polyolefin tubing with 50% shrinkage. Available in five colors: Red, Black, White, Yellow and Clear. Attractive display package as well as assortments. 1 foot lengths.



34-652-10	3/32"	Assortment (2 pces each color)
34-653-10	1/8"	Assortment (2 pces each color)
34-654-10	3/16"	Assortment (2 pces each color)
34-655-10	1/4"	Assortment (2 pces each color)
34-656-10	3/8"	Assortment (2 pces each color)
34-657-10	1/2"	Assortment (2 pces each color)

Material:

Contact: Gold flash over nickel
Housing: PBT & glass-fiber UL94V-0

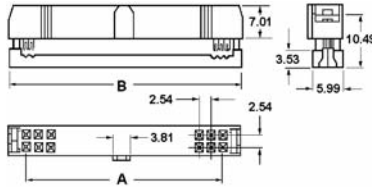
CONNECTOR SPECIFICATIONS

Electrical:

Contact res.: 15mΩ max.@1 Amp DC
Insulation res.: 1000MΩ min.@500VDC
Contact rating: 1 Amp

.100" RIBBON CONNECTOR

Suitable for .050" standard ribbon cable. Complete with cable strain reliefs. Standard with polarizing rib.



- 35-010-0** 10-position *
- 35-014-0** 14-position *
- 35-016-0** 16-position *
- 35-020-0** 20-position *
- 35-024-0** 24-position *
- 35-026-0** 26-position *
- 35-034-0** 34-position *
- 35-040-0** 40-position *
- 35-050-0** 50-position *

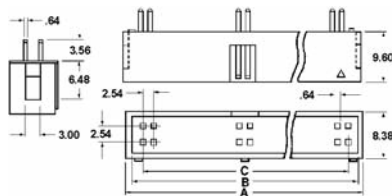
* Use -2 for Display Package

Pos	A	B
10	10.16	17.20
14	15.24	22.50
16	17.78	24.94
20	22.86	30.08
24	27.94	35.16
26	30.48	37.58
34	40.64	47.80
40	48.26	50.42
50	60.96	68.28

35-000-0 polarizing key that snaps into any contact position.

PC BOX CONNECTOR

Vertical PC mount connectors mate with connectors above.

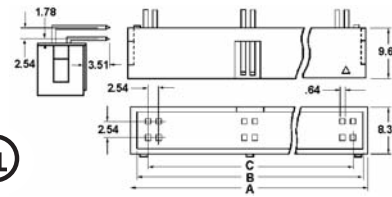


- 35-510-0** 10-position
- 35-514-0** 14-position
- 35-516-0** 16-position
- 35-520-0** 20-position
- 35-524-0** 24-position
- 35-526-0** 26-position
- 35-534-0** 34-position
- 35-540-0** 40-position
- 35-550-0** 50-position

Pos	A	B	C
10	20.29	18.11	10.16
14	25.37	23.19	15.24
16	27.91	25.73	17.78
20	32.99	30.81	22.86
24	38.07	35.89	27.94
26	40.61	38.43	30.48
34	50.77	48.59	40.64
40	58.39	56.21	48.26
50	71.09	68.91	60.96

RIGHT ANGLE PC BOX CONNECTOR

Right angle PC connectors mate with connectors type 35-0xx

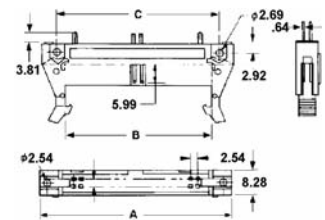


- 35-610-0** 10-position
- 35-614-0** 14-position
- 35-616-0** 16-position
- 35-620-0** 20-position
- 35-634-0** 34-position
- 35-640-0** 40-position

Pos	A	B	C
10	20.29	18.11	10.16
14	25.37	23.19	15.24
16	27.91	25.73	17.78
20	32.99	30.81	22.86
34	50.77	48.59	40.64
40	58.39	56.21	48.26

PC BOX CONNECTORS (with ejectors)

Vertical PC mount connectors with ejector latch. Suitable for .050" standard ribbon cable.



- 35-710-0** 10-position
- 35-726-0** 26-position
- 35-740-0** 40-position
- 35-750-0** 50-position

Pos	A	B	C
10	32.00	17.96	21.59
26	52.32	38.28	41.91
40	70.10	56.06	59.69
50	82.80	68.76	72.39



SHUNTS

Short Shunt (open type)



Long Handle Shunt

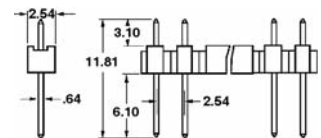
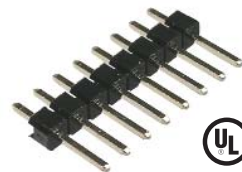
- 36-100-0** Bulk
- 36-100-50** Pkg (50)

- 36-101-0** Black
- 36-102-0** Red

.100" PC HEADERS

Breakaway headers. 40 and 80 position standard. Available in other sizes as special order. Gold plated.

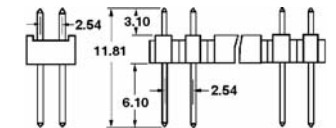
SINGLE ROW HEADERS



40-position single row. Gold Plated

- 36-140G-0** Bulk
- 36-140G-2** Pkg (2)

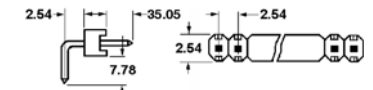
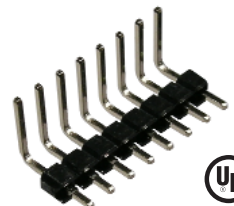
DOUBLE ROW HEADERS



Double row (2 x 40 position) Gold plated.

- 36-280G-0** Bulk
- 36-280G-1** Pkg

R/A SINGLE ROW HEADERS

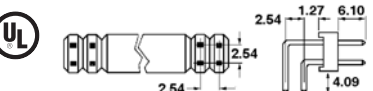


Available in other sizes. Gold plated.

40-position right angle

- 36-340G-0** Bulk

R/A DOUBLE ROW HEADERS



Available in other sizes. Gold plated.

Double right angle (2 x 40-position)

- 36-480G-0** Bulk
- 36-480G-1** Pkg

RIBBON CABLE



- 08-1410-100** 10-conductor
- 08-1414-100** 14-conductor
- 08-1416-100** 16-conductor
- 08-1420-100** 20-conductor
- 08-1425-100** 25-conductor
- 08-1426-100** 26-conductor
- 08-1434-100** 34-conductor
- 08-1440-100** 40-conductor
- 08-1450-100** 50-conductor



Grey jacket 28 AWG stranded .050" ribbon cable. Available in 100' spools only. Rated 300V 105 degrees C. UL and CSA listed.

RIBBON CABLE CUTTER



Precision ground.

84-404-1 Pkg.

.062" CONTACT CONNECTORS



5A @ 250V



Plug Receptacle

Plug	Receptacle	Package	Contacts
37-002-0	37-102-0	37-202-2	2
37-003-0	37-103-0	37-203-2	3
37-004-0	37-104-0	37-204-1	4
37-005-0	37-105-0	37-205-1	5
37-006-0	37-106-0	37-206-1	6
37-009-0			9
37-012-0	37-112-0	37-212-1	12

Package contains 1 or 2 plugs, receptacles and contacts

.062" CONTACTS



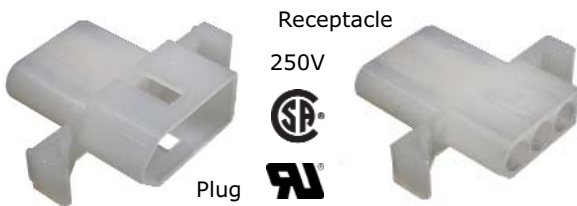
37-910-0

Female contacts 20-24 AWG

37-900-0

Male contacts 20-24 AWG

.093" CONTACT CONNECTORS



Receptacle

250V



Plug

Plug	Receptacle	Package	Cont.
37-302-0	37-402-0	37-502-2	2 12A
37-303-0	37-403-0	37-503-1	3 12A
37-304-0	37-404-0	37-504-1	4 9A
37-306-0	37-406-0	37-506-1	6 9A
37-309-0	37-409-0	37-509-1	9 9A
37-312-0	37-412-0	37-512-1	12 7.5A

Package contains 1 or 2 plugs, receptacles and contacts

.093" CONTACTS



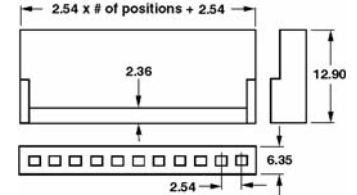
37-940-0

Female contacts 18-22 AWG

37-930-0

Male contacts 18-22 AWG

.100" WIRE CONNECTORS



Pos	Bulk	Pkg.
2	37-602-0	-5
3	37-603-0	-5
4	37-604-0	-4
5	37-605-0	-3
6	37-606-0	-3
8	37-608-0	-2
9	37-609-0	-2

Each package includes contacts. -5 is 5 connectors + contacts.

CONTACTS



37-960-0

Bulk 22-28 AWG contacts

.100" PC HEADERS

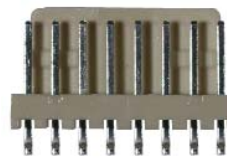
Straight PC headers for 37-60X series. .64mm PC posts.



Display Packages

Pos	Bulk	Pkg.
2	37-6202-0	-6
3	37-6203-0	-5
4	37-6204-0	-5
5	37-6205-0	-4
6	37-6206-0	-3
8	37-6208-0	-2

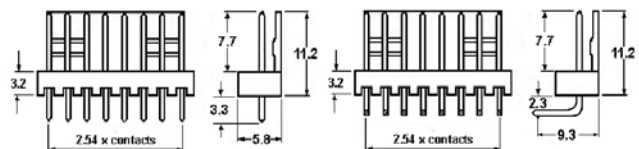
Right angle PC headers for 37-60X series. .64mm PC posts.



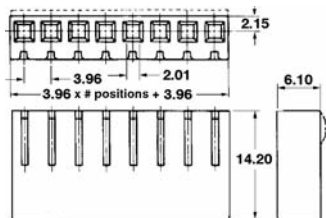
Display Packages

Pos	Bulk	Pkg.
2	37-6302-0	-5
3	37-6303-0	-4
4	37-6304-0	-3
5	37-6305-0	-2
6	37-6306-0	-2
8	37-6308-0	-2

Drawings for 37-62xx & 37-63xx



.156" WIRE CONNECTORS



Package contains connectors and contacts.

Pos	Bulk	Pkg.
2	37-702-0	-5
4	37-704-0	-5
6	37-706-0	-3
8	37-708-0	-2

.156" WIRE CONTACTS



37-970-0 Bulk
18-22AWG wire

.156" PC HEADERS

Straight PC headers for 37-70X series. 1.14mm PC posts.

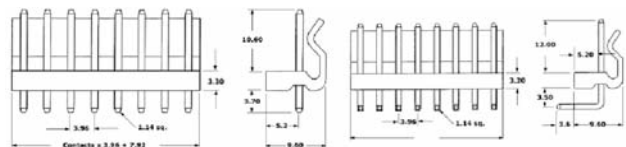


Pos	Bulk	Pkg.
8	37-7208-0	-2

Right Angle PC headers for 37-70X series. 1.14mm PC posts.



Pos	Bulk	Pkg.
2	37-7302-0	-5
4	37-7304-0	-5
6	37-7306-0	-3
10	37-7310-0	-2



See the tool section starting on Page 85 for crimp tools and insertion/extraction tools for the crimp contacts shown on this page.

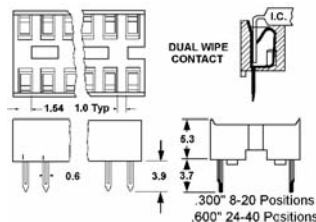
MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

Visit our Web Site at
<http://www.mode-elec.com>

DUAL WIPE STANDARD I.C. SOCKETS



30% glass filled polyester UL94V-0 insulator. Contacts: phosphor bronze with 50 microinches hot tin dip.

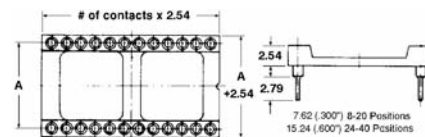


Pos.	Bulk	Pkg.
8-pos.	39-008-0	-10
14-pos.	39-014-0	-6
16-pos.	39-016-0	-5
18-pos.	39-018-0	-4
20-pos.	39-020-0	-4
28-pos.	39-028-0	-3
40-pos.	39-040-0	-2



MACHINED CONTACT I.C. SOCKETS

94V-0 PBT insulator 15 micro inch gold plated contact area.

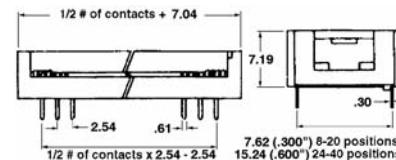


Pos.	Bulk	Pkg.
8-pos.	39-108-0	-3
14-pos.	39-114-0	-2
16-pos.	39-116-0	-2
40-pos.	39-140-0	-1



DIP RIBBON CONNECTORS

UL94V-0 40% glass fibre PBT, 10 micro inches gold plating.

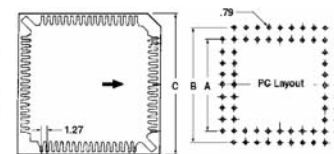


Pos.	Bulk
14-pos.	39-214-0
16-pos.	39-216-0
20-pos.	39-220-0



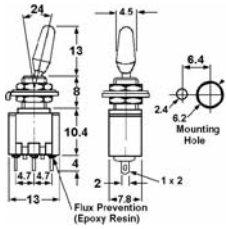
PLCC SOCKETS

94V-0 glass filled thermoplastic, tin plated contacts.

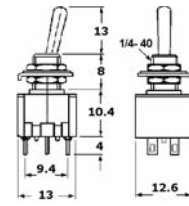


Pos	A	B	C	Pos.	Bulk	Pkg.
44	.500	.700	.898	44-pos.	39-344-0	
68	.800	1.000	1.26	68-pos.	39-368-0	-1

HIGH CURRENT TOGGLE SWITCHES 10 Amps @ 125VAC



41-210-0 SPST on-off
41-213-0 SPDT on-on
41-223-0 DPDT on-on
Use -1 for Display Package



ECONOMY SUB-MINIATURE TOGGLE SWITCHES

41-230A-0 SPST on-off
41-233A-0 SPDT on-on
41-234-0 SPDT on-(on)
41-235-0 SPDT on-off-on
41-236-0 SPDT on-off-(on)
41-237-0 SPDT (on)-off-(on)

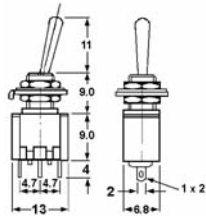
5 A @ 125VAC

41-243A-0 DPDT on-on
41-244-0 DPDT on-(on)
41-245A-0 DPDT on-off-on
41-246-0 DPDT on-off-(on)
41-247-0 DPDT (on)-off-(on)

() Denotes momentary contact

Use -1 for Display Package

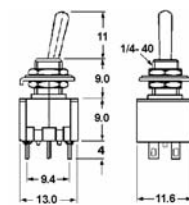
Use -1 for Display Package



1 Pole



2 Pole



UL/CSA APPROVED ECONOMY SUB-MINIATURE TOGGLE SWITCHES

41-233T-0 SPDT on-on
41-234T-0 SPDT on-(on)
41-235T-0 SPDT on-off-on
41-236T-0 SPDT on-off-(on)
41-237T-0 SPDT (on)-off-(on)

5A @ 125VAC or 28VDC

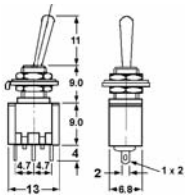


41-243T-0 DPDT on-on
41-244T-0 DPDT on-(on)
41-245T-0 DPDT on-off-on
41-246T-0 DPDT on-off-(on)
41-247T-0 DPDT (on)-off-(on)

Use -1 for Display Package

Use -1 for Display Package

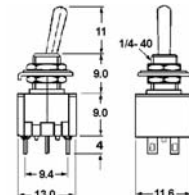
() Denotes momentary contact



1 Pole



2 Pole

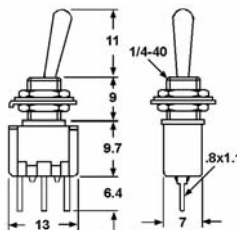


P.C. MOUNT SUB-MINIATURE TOGGLE SWITCHES

41-263-0 SPDT on-on
41-265-0 SPDT on-off-on
Use -1 for Display Package

ECONOMY P.C. MOUNT
5A @ 125VAC

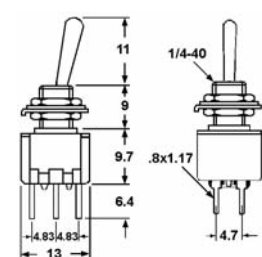
41-273-0 DPDT on-on
41-275-0 DPDT on-off-on
Use -1 for Display Package



1 Pole



2-Pole





UL/CSA P.C. MOUNT
5A @ 125VAC or 28VDC



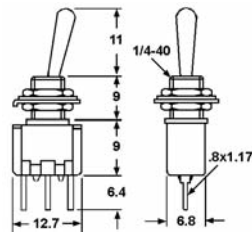
41-263T-0 SPDT on-on
41-265T-0 SPDT on-off-on

Use -1 for Display Package

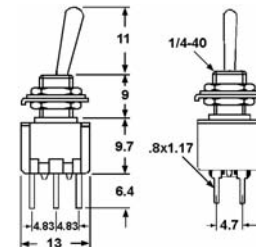
41-273T-0 DPDT on-on
41-275T-0 DPDT on-off-on



1 Pole



2-Pole



STANDARD SUB-MINIATURE SWITCHES 6 Amps @ 125VAC

41-230-0 SPST on-off
41-233-0 SPDT on-on
41-235B-0 SPDT on-off-on
41-237B-0 SPDT (on)-off-(on)
41-243-0 DPDT on-on

Use -1 for Display Package

CSA
UL/CSA
CSA
UL/CSA



As noted

41-245-0 DPDT on-off-on
41-246B-0 DPDT on-off-(on)
41-247B-0 DPDT (on)-off-(on)
41-251-0 3PDT on-on
41-252-0 3PDT on-off-on
41-253-0 4PDT on-on
41-255-0 4PDT on-off-on

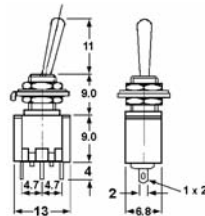
CSA

Use -1 for Display Package

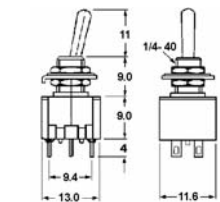
() Denotes momentary contact



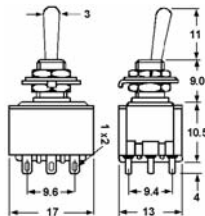
1 Pole



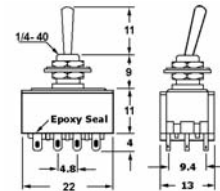
2 pole



3 pole

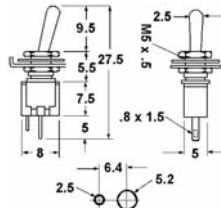


4 pole



ULTRA MINIATURE TOGGLE SWITCHES

3A @ 125VAC



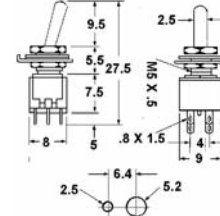
Single Pole

41-310-0 SPST on-off
41-313-0 SPDT on-on
41-323-0 DPDT on-on

Use -1 for Display Package



Double Pole



Visit our Web Site at
<http://www.mode-elec.com>

COLORED VINYL CAPS

For Sub-Miniature Toggle Switches



41-901-0 Black
41-902-0 Red
41-909-0 White

WATERPROOF BOOTS

M6.3 (1/4-40) size for UNC thread switches -M6 for metric switches.



41-899-0 M6.3 x .635 thread
41-899-3 Package (3)
41-900-0 M6 x 0.75 thread
41-900-3 Package (3)

ON/OFF SWITCH PLATE



41-898-0 For Sub min. switch
41-898-3 Package (3)

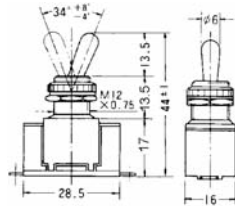
WATERPROOF BOOTS

Premium 1/4-40 waterproof boot.



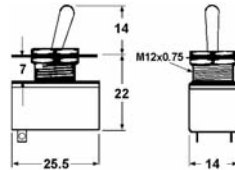
41-900T-0 1/4-40 thread
41-900T-3 Package (3)

STANDARD TOGGLE SWITCHES



10 amp @ 125VAC (6 amp @ 250VAC)
Solder terminals and dress panel nut.

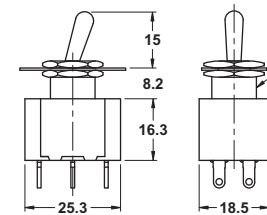
42-110-0 SPST on-off
42-110-1 Display Package



MAX
4A @ 125V
2A @ 250V



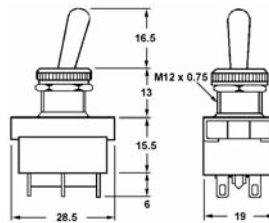
42-210-0 SPST on-off
42-210-1 Display Package



6A @ 125V

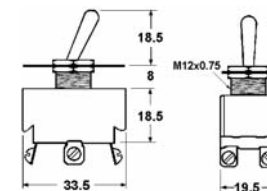


42-223-0 DPDT on-on
42-223-1 Display Package



10 amp @ 125VAC (6 amp @ 250VAC)
Solder terminals and dress panel nut.

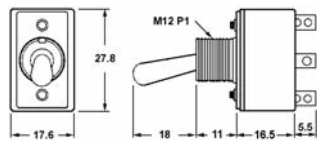
42-115-0 SPDT on-off-on
Use -1 for Display Package



6A @ 125V

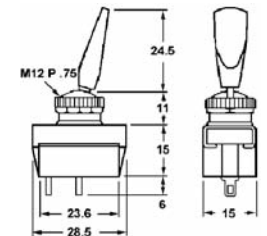


42-225-0 DPDT on-off-on
42-225-1 Display Package



42-130-0 DPST on-off **5A/125V** CSA
42-143-0 DPDT on-on **5A/125V** CSA
42-145-0 DPDT on-off-on **5A/125V** CSA/UL

Use -1 for Display Package



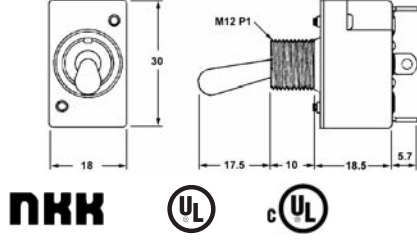
10A @ 125V
6A @ 250V



Black plastic bat handle. Solder terminals.

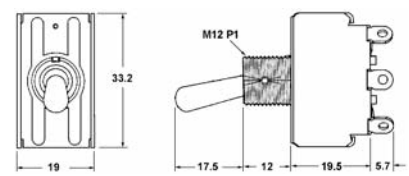
42-310-0 SPST on-off
42-310-0 Display Package

Visit our Web Site at
<http://www.mode-elec.com>



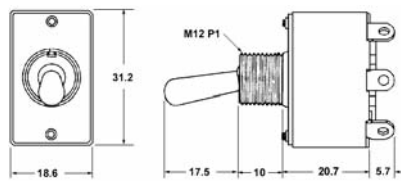
NKK

- 42-310N-0** SPST on-off 10A/125VAC (10A/30VDC)
 - 42-410N-0** SPST on-off 15A/125VAC (20A/30VDC) **UL/CUL**
- Use -1 for Display Package*



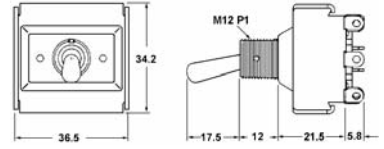
NKK **AS NOTED**

- 42-444-0** DPDT on-(on) 15A/125VAC (20A/30VDC) **CSA/UL**
 - 42-446-0** DPDT on-off-(on) 15A/125VAC (20A/30VDC) **UL**
 - 42-447-0** DPDT (on)-off-(on) 15A/125VAC (20A/30VDC) **UL**
 - 42-630-0** DPST on-off 25A/125VAC (25A/30VDC) **CSA**
 - 42-643-0** DPDT on-on 25A/125VAC (25A/30VDC) **CSA**
 - 42-645-0** DPDT on-off-on 25A/125VAC (25A/30VDC) **CSA**
- Use -1 for Display Package*



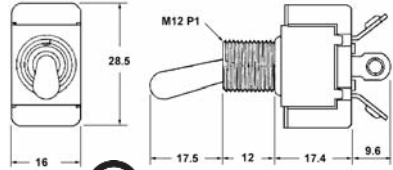
NKK **AS NOTED**

- 42-340-0** DPDT on-on 10A/125VAC (10A/30VDC) **CSA/UL**
 - 42-543-0** DPDT on-on 20A/125VAC (20A/30VDC) **CSA/UL**
 - 42-545-0** DPDT on-off-on 20A/125VAC (20A/30VDC) **CSA**
- Use -1 for Display Package*



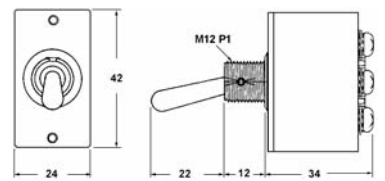
NKK

- 42-683-0** 4PDT on-on 25A/125VAC (20A/30VDC)
 - 42-685-0** 4PDT on-off-on 25A/125VAC (20A/30VDC)
- Use -1 for Display Package*



NKK **AS NOTED**

- 15A/125V 6A/250VAC(20A/30VDC)**
- 42-410-0** SPST on-off **CSA/UL**
 - 42-424-0** SPDT on-(on) **CSA/UL**
 - 42-425B-0** SPDT on-off-on **CSA/UL**
 - 42-426-0** SPDT on-off-(on) **CSA**
 - 42-427-0** SPDT (on)-off-(on) **CSA**
- Use -1 for Display Package*



NKK

- 42-745-0** DPDT on-off-on 30A/125VAC(30A/30VDC)
- Use -1 for Display Package*

SWITCH ACCESSORIES

WATERPROOF BOOTS



For M12 P1 thread



For M12 P0.75 thread

- 42-900-0** Bulk
- 42-900-1** Pkg.

- 42-900T-0** Bulk
- 42-900T-1** Pkg.

SWITCH PLATE



On-off switchplate for M12 barrel

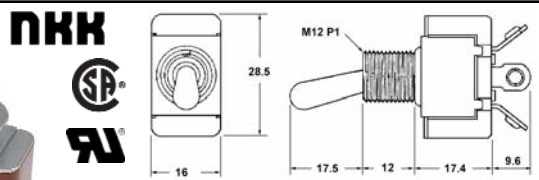
- 42-901-0** Bulk

RED TOGGLE GUARD



Safety Cover for toggle switch. 12mm mounting size.

- 42-903-0** Bulk
- 42-903-1** Pkg.



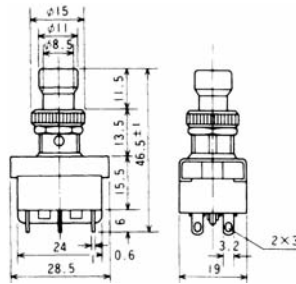
NKK

- 15A/125V 6A/250VAC (20A/30VDC) screw terminals**
- 42-424S-0** SPDT on-(on) **CSA/UL**
 - 42-425S-0** SPDT on-off-on **CSA**
 - 42-427S-0** SPDT (on)-off-(on) **CSA**
- Use -1 for Display Package*

PUSHBUTTON SWITCHES



Alternate Action



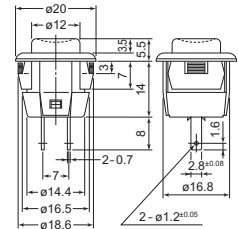
6 Amp @ 250VAC (10 Amp @ 125VAC) with chrome button.

44-123-0 DPDT on-on Bulk
Use -1 for Display Package



3A @ 125VAC

17.8±0.1mm mounting hole snap-in mounting. Replacements for 44-530-0, 44-531-0 and 44-532-0.



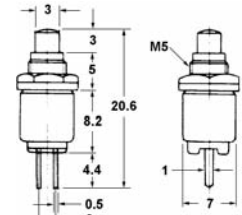
44-530N-0 SPST off-(on) N/O white button
44-531N-0 SPST off-(on) N/O black button
44-532N-0 SPST off-(on) N/O red button

Use -1 for Display Package

Ultra-miniature push button switch

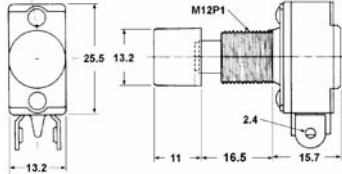


.5A @ 125VAC



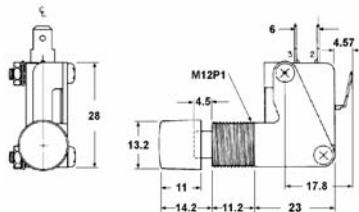
44-541-0 SPST off-(on) N/O black button
44-542-0 SPST off-(on) N/O red button

Use -1 for Display Package



3 Amp @ 125VAC with black button

44-201-0 SPST off-(on) N/O Bulk
Use -1 for Display Package

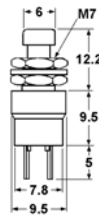


15 Amp @ 125VAC or 250VAC (1/2 HP). Very long life micro switch with black button.

44-241-0 SPDT on-(on) Bulk
Use -1 for Display Package



1 A @ 125VAC

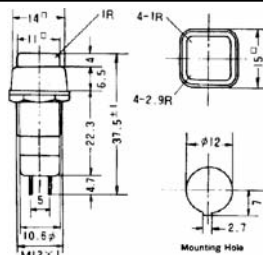


44-551-0 SPST off-(on) N/O black button
44-552-0 SPST off-(on) N/O red button
44-553-0 SPST on-(off) N/C black button
44-554-0 SPST on-(off) N/C red button

Use -1 for Display Package



3A @ 125VAC

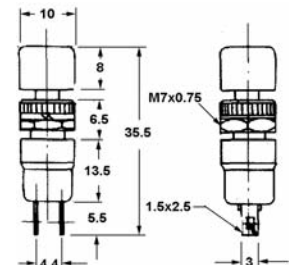


44-480-0 SPST off-(on) N/O red button
44-481-0 SPST off-(on) N/O black button
44-482-0 SPST off-on red button
44-483-0 SPST on-(off) N/C red button

Use -1 for Display Package



1 A @ 125VAC

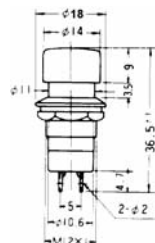


44-571-0 SPST on-(off) N/C black button
44-572-0 SPST off-(on) N/O red button
44-573-0 SPST off-(on) N/O black button

Use -1 for Display Package



3A @ 125VAC 12mm mounting hole

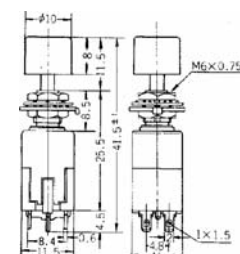


44-490-0 SPST off-on black button
44-491-0 SPST off-(on) N/O red button
44-492-0 SPST off-(on) N/O black button
44-493-0 SPST off-on red button

Use -1 for Display Package



6A @ 125VAC



44-611-0 DPDT on-on black button
44-622-0 SPDT on-on red button

Use -1 for Display Package



COUPLER

This coupler locks onto the actuator and is used for mounting the switch modules and the lamp module.

44-700-0 Bulk



N/O SWITCH

Normally open switch module has the following CSA/UL ratings:
 6.0A/120VAC 2.2A/120VDC 1.2A/600VDC
 3.0A/240VAC 1.1A/240VDC
 1.5A/480VAC 0.4A/480VDC

44-701-0 Bulk



N/C SWITCH

Normally closed switch module has the following CSA/UL ratings:
 6.0A/120VAC 2.2A/120VDC 1.2A/600VDC
 3.0A/240VAC 1.1A/240VDC
 1.5A/480VAC 0.4A/480VDC

44-702-0 Bulk



LAMP MODULE

This module is used with any lit style actuator and will accommodate a T 3 1/4 bayonet base incandescent or LED lamp.

44-703-0 Bulk

ACTUATORS (NO LIGHT)



Unlit momentary contact flush button actuator available in red and green.

44-705R-0 Red
44-705G-0 Green



Unlit momentary contact raised button actuator with separate red, green and yellow caps. Waterproof.

44-706-0 Actuator only
44-706R-0 Red cap
44-706G-0 Green cap
44-706Y-0 Yellow cap



Unlit momentary contact actuator with a 36mm diameter red button.

44-708R-0 Bulk



Unlit panic stop actuator - 36mm locking button - must twist the black ring behind the red button to release.

44-710R-0 Bulk



Red lever actuator: 3-position lever actuator. Left or right position can activate either a normally open or normally closed switch. Center position off.

44-730-0 Bulk



Key actuator: 3-position key actuator. Left or right position can activate either a normally open or normally closed switch. Center position off.

44-740-0 Bulk

ACTUATORS (LIGHTED)



Lighted momentary contact flush button available in red and green.

44-720R-0 Red
44-720G-0 Green



Lighted momentary contact raised button actuator with separate red, green and yellow caps. Waterproof.

44-706-0 Actuator only
44-721R-0 Red cap
44-721G-0 Green cap
44-721Y-0 Yellow cap



Lighted momentary contact raised button actuator with separate red, green and yellow caps. Waterproof.

44-706-0 Actuator only
44-714R-0 Red cap
44-714G-0 Green cap
44-714Y-0 Yellow cap



Lighted alternate action flush button actuator (available in red with white circle only).

44-725R-0 Bulk

All switch actuators conform to IP65 rating (Ingress Protection Rating) - they are dust tight and water tight.



Lighted alternate action 36mm large button actuator available with separate red and green caps.

44-727-0 Actuator only
44-727R-0 Red cap
44-727G-0 Green cap

All these items when used as an assembly are UL, CSA, TUV and CE approved.

PILOT LAMPS

Pilot lamps that go with the 44-700-0 Coupler and 44-703-0 Lamp Module.



44-740G-0 Green Flat Lens
44-740R-0 Red Flat Lens
44-740Y-0 Yellow Flat Lens

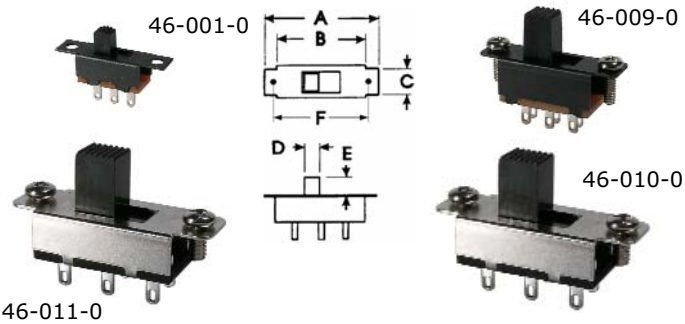


44-741G-0 Green Tapered Lens
44-741R-0 Red Tapered Lens
44-741Y-0 Yellow Tapered Lens



44-742G-0 Green Lens
44-742R-0 Red Lens
44-742Y-0 Yellow Lens

SLIDE SWITCHES

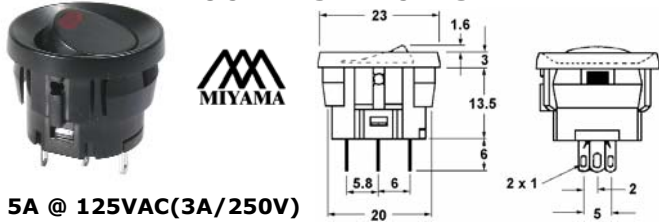


Current ratings are at 125VAC. Dimensions are in mm.

Bulk Part #	Rating	Poles	Switch	A	B	C	D	E	F
46-001-0	.2A	SPDT	on-on	19	11.5	4.5	3	4	15
46-009-0	.3A	DPDT	on-on	23	15.5	6.3	5.0	7.5	19
46-010-0	1A	DPDT	on-on	35	24	9.7	7.0	10	28
46-011-0	1A	DPDT	on-off-on	35	24	9.7	7.0	10	28

Use -2 for Display Package

ROCKER SWITCHES



5A @ 125VAC(3A/250V)

Single hole snap-in mount with LED indicator.
LED requires 20mA DC external limit resistor.
See Page 53 to determine suitable resistor value.

- 46-102-0 SPST on-off black button red LED
- 46-103-0 SPST on-off black button green LED
- 46-104-0 SPST on-off black button yellow LED

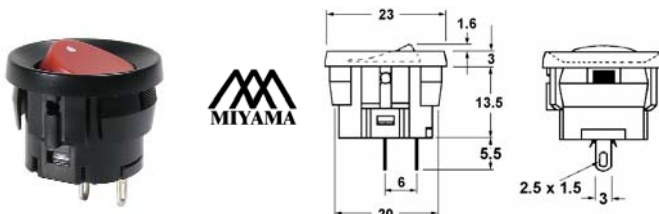
Use -1 for Display Package



10A @ 125VAC(6A/250V)

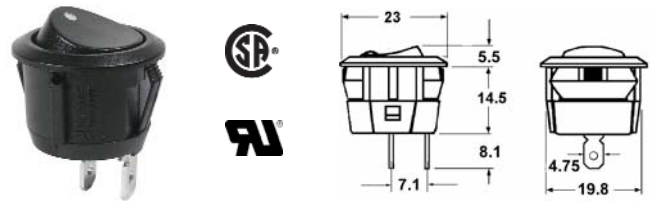
Single hole snap-in mount with LED indicator.
LED requires 20mA DC external limit resistor.
See Page 53 to determine suitable resistor value.

- 46-102J-0 SPST on-off black button red LED
- Use -1 for Display Package



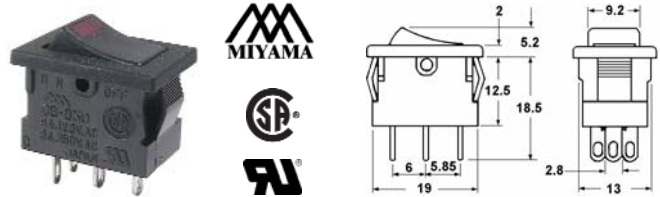
Single hole snap-in mount. 5A @ 125VAC (3A @ 250VAC)

- 46-100-0 SPST on-off black button white dot
 - 46-101-0 SPST on-off red button white dot
- Use -1 for Display Package



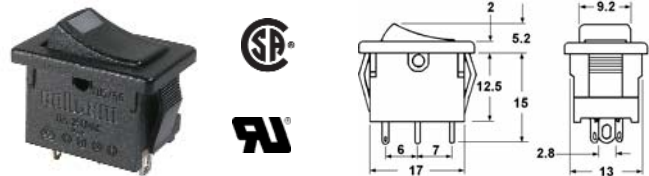
Single hole snap-in mount. 10A @ 125VAC (6A @ 250VAC)

- 46-100J-0 SPST on-off black button white dot
- Use -1 for Display Package



Snap-in mounting 5A @ 125VAC(3A/250V).
LED requires 20mA DC external limit resistor.

- 46-140-0 SPST on-off red LED indicator
 - 46-141-0 SPST on-off green LED indicator
- Use -1 for Display Package



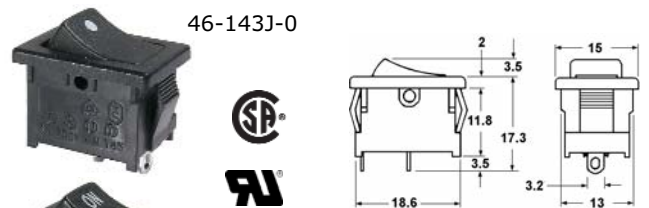
Snap-in mounting 10A @ 125VAC(6A/250V).
LED requires 20mA DC external limit resistor.

- 46-140J-0 SPST on-off red LED indicator
- Use -1 for Display Package



Snap-in mounting 5A @ 125VAC (3A/250V).
Available with white dot or ON-OFF markings.

- 46-143-0 SPST on-off black button white dot
 - 46-144-0 SPST on-off black button ON-OFF
- Use -1 for Display Package



Snap-in mounting

10A @ 125VAC/ (6A/250V)



- 46-143J-0 SPST on-off black button white dot
 - 46-144J-0 SPST on-off black button ON-OFF
- Use -1 for Display Package

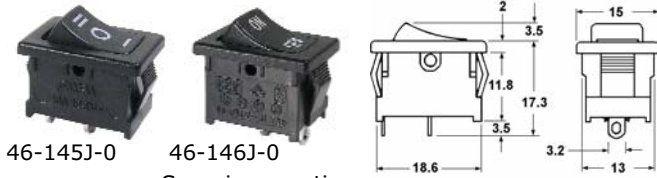
WEATHERPROOF CAP

Suitable for 46-14x type switches.



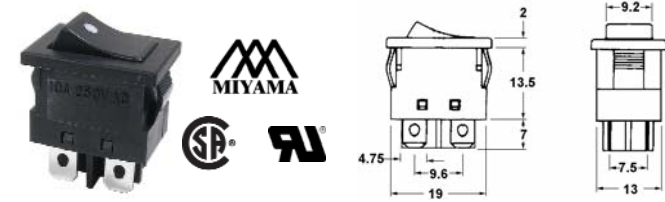
- 46-149J-0 Waterproof Cap
- Use -5 for Display Package

ROCKER & MISC. SWITCHES



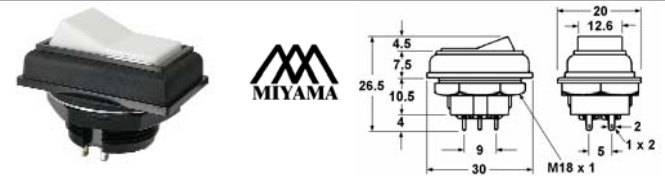
46-145J-0 46-146J-0
Snap-in mounting

46-145J-0 SPDT on-off-on black Int. Symbol
46-146J-0 SPST (on)-off black button ON-OFF
Use -1 for Display Package



Snap-in mounting **10A @ 250VAC**

46-150-0 DPST on-off black button white dot
46-151-0 DPST on-off black button ON-OFF
Use -1 for Display Package



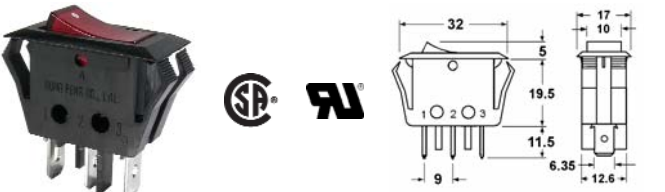
Round 18mm diameter mounting hole **6A @ 125VAC**

46-170-0 SPST on-off white button
46-183-0 DPDT on-on white button
Use -1 for Display Package



Snap-in mounting with neon indicator. **15A @ 125VAC.**
Mtg. hole: 30.2 x 14.2mm

46-190-0 SPST on-off amber rocker
46-192-0 SPST on-off red rocker
Use -1 for Display Package



Snap-in mounting with neon indicator. **15A @ 125VAC.**
Mtg. hole: 29 x 13mm

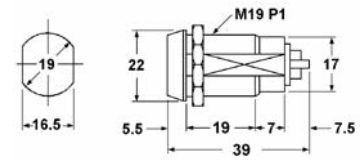
46-190J-0 SPST on-off amber rocker
46-192J-0 SPST on-off red rocker
Use -1 for Display Package



Snap-in mounting circuit breaker/switch (SPST) with neon indicator. **7-16A @ 125/250VAC.**
Mtg. hole: 30.2 x 14.2mm

46-195-0 Bulk **46-195-1** Pkg

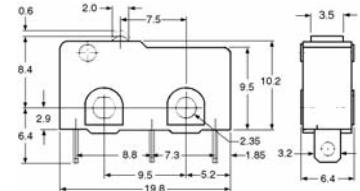
KEY SWITCHES



SPST Key removable in either position.
4 A @ 125VAC

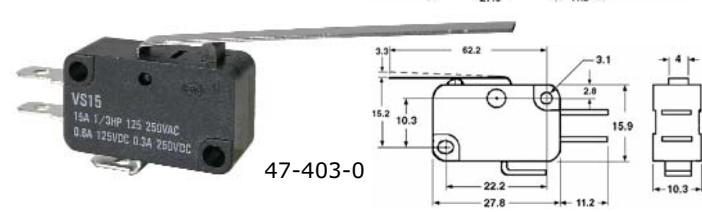
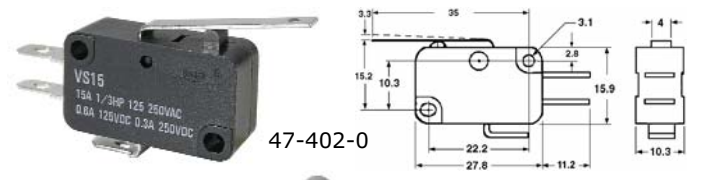
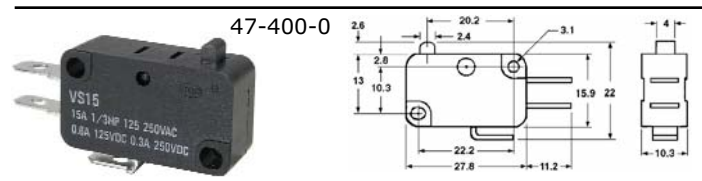
47-282-0 Bulk **assorted keys**
47-282-1 Pkg **assorted keys**
47-282K-0 Bulk **same key**
47-282-KEY Blank Key

MICRO SWITCHES



5A @ 125VAC (3A/250V) N/O and N/C contacts.
Life: 200,000 operations (full load)
Contact resistance: 30mΩ maximum
Insulation resistance: 100MΩ min. (500VDC)
Dielectric strength: 1000VAC for 1 minute

47-300-0 Bulk **47-300-1** Package



15A @ 125VAC or 250VAC

Contact resistance: 15mΩ maximum (initial)
Insulation resistance: 100MΩ min (@ 500VDC)
Dielectric strength: 1,000VAC for 1 minute
Service life mechanical: 10,000,000 operations
Service life electrical: 100,000 operations (full load)
Operating temperature: -20°C to 75°C

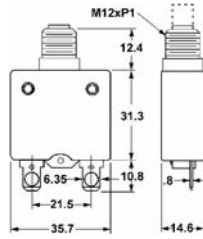
All have .187" faston terminals and N/O and N/C terminals.

47-400-0 No actuator
47-402-0 27.5mm actuator
47-403-0 54.1mm actuator
47-406-0 25.9mm roller actuator
Use -1 for Display Package

CIRCUIT BREAKERS



**125VAC
50VDC**



- | | | | |
|-----------------|----|-----------------|-----|
| 47-503-0 | 3A | 47-515-0 | 15A |
| 47-504-0 | 4A | 47-520-0 | 20A |
| 47-505-0 | 5A | 47-530-0 | 30A |

Use -1 for Display Package



Socket Housing for Auto Relays

c/w 5 terminals

50-920-0 Auto Relay Socket
Use -1 for Display Package



Socket for 50-06x and 50-09x relays shown below. Comes with relay hold down spring cup.

50-901-0 DPDT PC Mount
Use -1 for Display Package

MAGNETIC SWITCHES



Magnetic reed switch for security alarms. Has normally open and normally closed switch contacts. Screw terminals. 30VDC@250ma

47-600-0 Bulk
47-600-1 Pkg.

Socket for 50-06x and 50-09x relays shown below.



50-911-0



50-912-0

50-911-0 DPDT Screw Term.
50-912-0 4PDT Screw Term.

Use -1 for Display Package

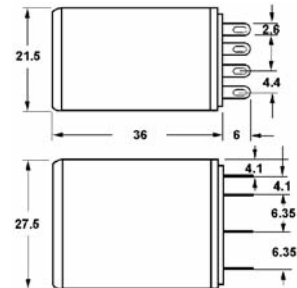
FOOT SWITCHES



- Cast alum. base and guard
- 15Amps @250VAC
- 1 N/C and 1 N/O
- Cable gland included

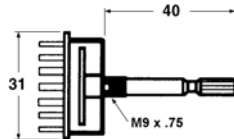
47-620-0 Bulk

DPDT & 4PDT 5 AMP RELAYS



- | | |
|------------------------|--------------------|
| Contact Resistance: | 50mΩ max. |
| Operate Time: | 25ms max. |
| Release Time: | 25ms max. |
| Insulation Resistance: | 100MΩ min. |
| Mechanical Life: | 10M cycles |
| Electrical Life: | 100K cycles |
| Resistive Load: | 5A@28VDC or 250VAC |

ROTARY SWITCHES



.3 A @ 30VDC non-shorting. Knurled shaft with split.

48-512-0 2 pole 6 position
48-514-0 4 pole 3 position

Use -1 for Display Package

RELAYS

AUTOMOTIVE RELAYS

Coil Resistance: 80 Ω ± 10%
Rated Current: 50A

50-836H-0 SPDT 14VDC
Use -1 for Display Package

Coil Resistance: 360 Ω ± 10%
Rated Current: 20A@24VDC/15A@28VDC

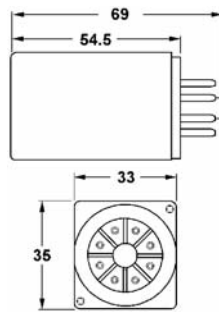
50-837H-0 SPDT 24VDC/28VDC



Part Number	Circuitry	Oper. Volt.	Coil Res.
50-061-0	DPDT	6VDC	40 Ω
50-063-0	DPDT	12VDC	160 Ω
50-064-0	DPDT	24VDC	650 Ω
50-068-0	DPDT	48VDC	2600 Ω
50-093-0	4PDT	12VDC	160 Ω
50-094-0	4PDT	24VDC	650 Ω
50-098-0	4PDT	48VDC	2600 Ω
50-099-0	4PDT	120VAC	3400 Ω

Use -1 for Display Package

10 AMP OCTAL BASE RELAYS

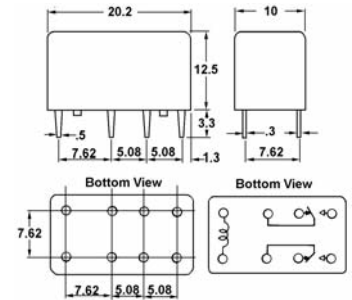


Contact Resistance: 50mΩ max.
 Operate Time: 20ms max.
 Release Time: 20ms max.
 Insulation Resistance: 100MΩ min.
 Mechanical Life: 10M cycles
 Electrical Life: 100K cycles
 Resistive Load: 10A@28VDC or 120VAC

Part Number	Circuitry	Oper. Volt.	Coil Res.
50-163-0	DPDT	12VDC	120 Ω

Use -1 for Display Package

1 AMP PC RELAYS (16-PIN DIP)



Contact Resistance: 50mΩ max.
 Operate Time: 10ms max.
 Release Time: 4ms max.
 Insulation Resistance: 100MΩ min.
 Mechanical Life: 100M cycles
 Electrical Life: 100K cycles
 Resistive Load: 1A@30VDC or .3A@125VAC

Part Number	Circuitry	Oper. Volt.	Coil Res.
50-430-0	2C	5VDC	125 Ω
50-433-0	2C	12VDC	720 Ω
50-434-0	2C	24VDC	2880 Ω

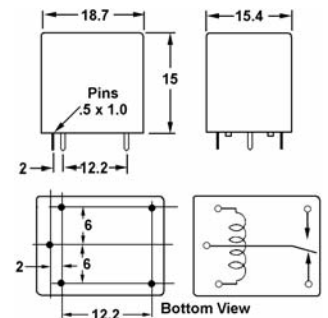
Use -1 for Display Package



Octal Socket for 50-13x and 50-16x shown above.

50-910-0 Octal Socket
 Use -1 for Display Package

10 AMP PC RELAYS

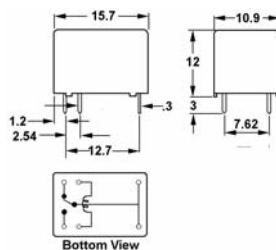


Contact Resistance: 100mΩ max.
 Operate Time: 8ms max.
 Release Time: 5ms max.
 Insulation Resistance: 100MΩ min.
 Mechanical Life: 10M cycles
 Electrical Life: 100K cycles
 Resistive Load: 10A@28VDC or 10A@125VAC
 Inductive Load: 3A@28VDC or 3A@125VAC

Part Number	Circuitry	Oper. Volt.	Coil Res.
50-530-0	SPDT	5VDC	70 Ω
50-533-0	SPDT	12VDC	400 Ω
50-534-0	SPDT	24VDC	1600 Ω

Use -1 for Display Package

3 AMP PC RELAYS



Contact Resistance: 100mΩ max.
 Operate Time: 10ms max.
 Release Time: 5ms max.
 Insulation Resistance: 100MΩ min.
 Mechanical Life: 10M cycles
 Electrical Life: 500K cycles
 Resistive Load: 3A@28VDC or 120VAC

Part Number	Circuitry	Oper. Volt.	Coil Res.
50-330-0	SPDT	5VDC	120 Ω
50-331-0	SPDT	6VDC	180 Ω
50-333-0	SPDT	12VDC	700 Ω

Use -1 for Display Package

Visit our Web Site at
<http://www.mode-elec.com>

PLASTIC PROJECT BOXES



Black plastic project boxes.

Outside dimensions shown



Inside dimensions shown

53-520-0 82L x 54W x 31H (plastic cover)
53-522-0 83L x 54W x 30H (alum. cover)
 Use -1 for Display Package

53-541-0 99L x 49W x 40H grey ABS plastic
53-551-0 125L x 60W x 40H grey ABS plastic
53-571-0 145L x 85W x 50H grey ABS plastic
53-581-0 180L x 110W x 60H grey ABS plastic
 Use -1 for Display Package

Light grey ABS (UL94HB) project boxes. Self tapping screws included



53-530H-0 100L x 50W x 25H grey ABS plastic
53-535H-0 112L x 62W x 31H grey ABS plastic
53-551H-0 120L x 65W x 40H grey ABS plastic
53-571H-0 150L x 80W x 50H grey ABS plastic
53-581H-0 191L x 110W x 61H grey ABS plastic
 Use -1 for Display Package

POLYPROPYLENE BOXES



6 comp.
 Dimensions [mm]:
 275 x 182 x 40
53-916-0 Bulk



18 comp.
 Dimensions [mm]:
 275 x 182 x 40
53-918-0 Bulk

KNOBS



54-122-0



54-218-0



54-217-0



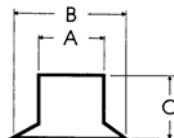
54-228-0



54-227-0

Part Number	A	B	C	Shaft
54-122-0	15mm	15mm	12mm	6.35mm
54-217-0	18mm	23mm	15mm	6.35mm
54-218-0	27mm	33mm	17mm	6.35mm
54-227-0	19mm	25mm	15mm	6.35mm
54-228-0	26mm	32mm	15mm	6.35mm
54-232-0	16mm	20mm	12mm	6.35mm
54-234-0	24mm	27mm	16mm	6.35mm
54-278-0	23mm	37mm	15mm	6.35mm
54-279-0	23mm	37mm	15mm	6.35mm
54-374-0	30mm	Pointer Knob		6.35mm

Use -2 for Display Package 6.35mm = 1/4"



Dimension Drawing



54-232-0



54-234-0



54-278-0



54-279-0



54-374-0

METRIC HARDWARE



The attractive clear plastic re-usable display packs. Packs contain 100 pieces are designated with **-100** after the part number. For example 54-400-100 specifies a display package of 100. Bulk hardware is only available in 1000 packs.



Nickel plated round phillips head bolts

2mm	2.6mm	3mm	4mm	Length
54-400-100 54-400-1000	54-410-100 54-410-1000	54-420-100 54-420-1000	54-430-100 54-430-1000	6mm
54-401-100 54-401-1000	54-411-100 54-411-1000	54-421-100 54-421-1000	54-431-100 54-431-1000	8mm
54-402-100 54-402-1000	54-412-100 54-412-1000	54-422-100 54-422-1000	54-432-100 54-432-1000	10mm
54-403-100 54-403-1000	54-413-100 54-413-1000	54-423-100 54-423-1000	54-433-100 54-433-1000	12mm
54-404-100 54-404-1000	54-414-100 54-414-1000	54-424-100 54-424-1000	54-434-100 54-434-1000	14mm
54-405-100 54-405-1000	54-415-100 54-415-1000	54-425-100 54-425-1000	54-435-100 54-435-1000	16mm



Nickel plated nuts

2mm	2.6mm	3mm	4mm
54-406-100 54-406-1000	54-416-100 54-416-1000	54-426-100 54-426-1000	54-436-100 54-436-1000



Nickel plated flat washers

2mm	2.6mm	3mm	4mm
54-407-100 54-407-1000	54-417-100 54-417-1000	54-427-100 54-427-1000	54-437-100 54-437-1000



Nickel plated split and internal star lockwashers

2mm	2.6mm	3mm	4mm	Type
54-408-100 54-408-1000	54-418-100 54-418-1000	54-428-100 54-428-1000	54-438-100 54-438-1000	Int. Star
54-409-100 54-409-1000	54-419-100 54-419-1000	54-429-100 54-429-1000	54-439-100 54-439-1000	Split



54-444-1

METRIC HARDWARE KITS

54-440-1 2mm Hardware Kit

Contains: 180 pieces of assorted 2mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-441-1 2.6mm Hardware Kit

Contains: 180 pieces of assorted 2.6mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-442-1 3mm Hardware Kit

Contains: 180 pieces of assorted 3mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-443-1 4mm Hardware Kit

Contains: 140 pieces of assorted 4mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-444-1. Comprehensive hardware assortment.

Contains: 1200 assorted pieces of 2, 2.6 and 3mm hardware in a durable 18 compartment polypropylene box (53-918-0).

ENGLISH/METRIC CONVERSIONS

LENGTH

Inch	X	25.40	=	Millimeters
Millimeters	X	0.03937	=	Inches
Feet	X	0.3048	=	Meters
Meters	X	3.281	=	Feet
Miles	X	1.609	=	Kilometers
Kilometers	X	0.6214	=	Miles

UNC Hardware on next page.

UNC HARDWARE



The attractive clear plastic re-usable display packs. Packs contain 100 pieces are designated with **-100** after the part number. For example 54-400-100 specifies a display package of 100. Bulk hardware is only available in 1000 packs.



Nickel plated round phillips head bolts

	2-56	4-40	6-32	8-32	10-32	Length
	54-510-100 54-510-1000	54-520-100 54-520-1000	54-530-100 54-530-1000	54-540-100 54-540-1000		1/4"
			54-531-100 54-531-1000	54-541-100 54-541-1000		3/8"
	54-512-100 54-512-1000	54-522-100 54-522-1000	54-532-100 54-532-1000	54-542-100 54-542-1000	54-552-100 54-552-1000	1/2"
			54-533-100 54-533-1000			5/8"
		54-524-100 54-524-1000	54-534-100 54-534-1000	54-544-100 54-544-1000	54-554-100 54-554-1000	3/4"



Nickel plated nuts

	#2	#4	#6	#8	#10
	54-516-100 54-516-1000	54-526-100 54-526-1000	54-536-100 54-536-1000	54-546-100 54-546-1000	54-556-100 54-556-1000



Nickel plated flat washers

	#2	#4	#6	#8	#10
	54-517-100 54-517-1000	54-527-100 54-527-1000	54-537-100 54-537-1000	54-547-100 54-547-1000	54-557-100 54-557-1000



Nickel plated internal star and split washers

	#2	#4	#6	#8	#10	Type
	54-518-100 54-518-1000	54-528-100 54-528-1000	54-538-100 54-538-1000	54-548-100 54-548-1000	54-558-100 54-558-1000	Int. Star
	54-519-100 54-519-1000	54-529-100 54-529-1000	54-539-100 54-539-1000	54-549-100 54-549-1000	54-559-100 54-559-1000	Split

UNC HARDWARE KITS



54-565-1

54-561-1

2-56 Hardware assort.
Contains: 260 pieces of assorted 2-56 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4" and 1/2". In clear polystyrene box with 6 separate compartments. (not shown).

flat washers and lock washers. Bolt lengths provided are 1/4" and 1/2". In clear polystyrene box with 6 separate compartments. (not shown).

54-562-1 4-40 Hardware assortment

Contains: 220 pieces of assorted 4-40 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4", 1/2" and 3/4". In clear polystyrene box with 6 separate compartments. (not shown).

54-563-1 6-32 Hardware assortment

Contains: 220 pieces of assorted 6-32 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4", 3/8", 1/2", 5/8" and 3/4". In a clear polystyrene box with 6 separate compartments. (not shown).

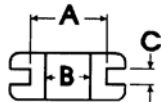
54-564-1 8-32 Hardware assortment

Contains: 220 pieces of assorted 8-32 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4", 3/8", 1/2" and 3/4". In a clear polystyrene box with 6 separate compartments. (not shown).

54-565-1 Comprehensive hardware assortment.

Contains: 1175 pieces of assorted 2-56, 4-40, 6-32, and 8-32 hardware. In a durable 18 compartment polypropylene box (53-918-0).

RUBBER GROMMETS



Bulk	A	B	C
54-811-0	5/16"	3/16"	1/16"
54-814-0	3/8"	1/4"	1/16"
54-817-0	1/2"	3/8"	1/16"

Use -10 for Display Package

ADHESIVE RUBBER FEET



54-880-0

54-885-0



- 54-880-0** Bulk 1/2" round .232" thick
- 54-880-24** Display Package (24)
- 54-885-0** Bulk 1/2" square .232" thick
- 54-885-24** Display Package (24)

RUBBER FEET



54-865-0



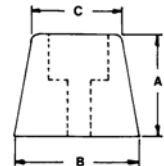
54-870-0



54-875-0

Bulk	Pkg.	A	B	C
54-865-0	-8	7mm	19mm	15mm
54-870-0	-8	12mm	20mm	18mm
54-875-0	-4	16mm	25mm	21mm

Mounting hardware included.



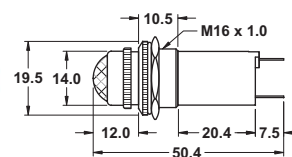


55-056-0 Bulk 12V/140mA lead wire lamp
55-056-2 Display Package (2)



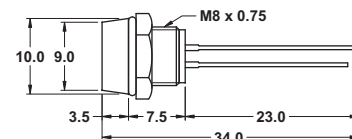
55-120-0 Bulk NE-2 Neon bulb
55-120-2 Display Package (2)

For a complete selection of bulbs, see the 56 series starting on page 59



T 3-1/4 (10mm) screw base

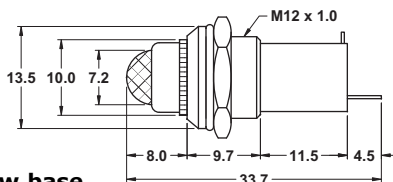
55-365-0 Green Bulk
Use -1 for Display Package



Black plastic bezel LED indicator

These indicators require a resistor to limit current. See note on page 53 for details.

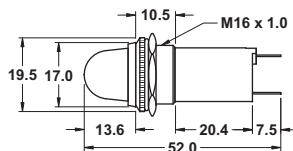
55-430-0 Red LED Bulk
55-431-0 Green LED Bulk
Use -1 for Display Package



T 1-3/4 (5mm) screw base

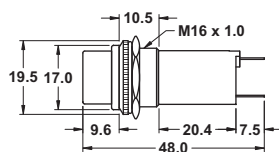
55-305-0 Green Bulk
Use -1 for Display Package

IMPORTANT NOTE:
 The 55-32X series is suitable for G3 1/2 lamps only. (see page 59 for these lamps). T3 1/4 lamps such as the 1815 will not fit into the lens of these holders.
 The 55-34X and 55-365 are suitable for T3 1/4 lamps and LED replacement lamps.



T 3-1/4 (10mm) bayonet base

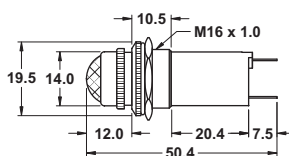
G3 1/2 Lamps Only **55-322-0** Red Bulk **G3 1/2 Lamps Only**
55-325-0 Green Bulk
Use -1 for Display Package



T 3-1/4 (10mm) bayonet base

55-332-0 Red Bulk
55-335-0 Green Bulk
55-339-0 Clear Bulk
Use -1 for Display Package

MODE ELECTRONICS LTD.
 211 - 2999 UNDERHILL AVE.,
 BURNABY, B.C., CANADA, V5A 3C2
 Phone: 604-435-6633
 Fax: 604-435-8890
 Toll Free: 1-800-663-4992
 Web Site: www.mode-elec.com



T 3-1/4 (10mm) bayonet base

55-342-0 Red Bulk
55-343-0 Amber Bulk
55-345-0 Green Bulk
55-349-0 Clear Bulk
Use -1 for Display Package

Visit our Web Site at
<http://www.mode-elec.com>



Chrome plated LED indicator

These indicators require a resistor to limit current. See note on page 53 for details.

- 55-432-0** Red LED Bulk
- 55-433-0** Green LED Bulk
- 55-434-0** Orange LED Bulk

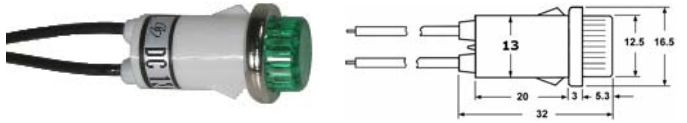
Use -1 for Display Package



Neon indicators (internal resistor) 120VAC

- 55-482-0** Red lens 120VAC
- 55-483-0** Amber lens 120VAC
- 55-485-0** Green lens 120VAC

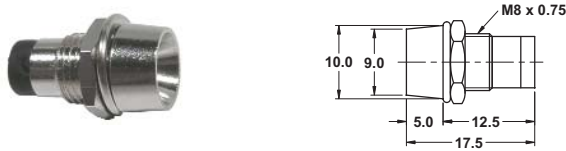
Use -1 for Display Package



Incandescent indicators 12VDC and 24VDC

- 55-492-0** Red lens 12VDC
- 55-493-0** Amber lens 12VDC
- 55-495-0** Green lens 12VDC
- 55-496-0** Red lens 24VDC
- 55-497-0** Amber lens 24VDC
- 55-498-0** Green lens 24VDC

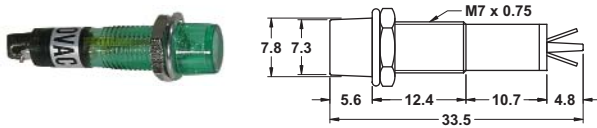
Use -1 for Display Package



Chrome plated LED holder

Chrome plated holder for 5mm LEDs. LED is not included.

- 55-439-0** Bulk
- 55-439-1** Pkg.



Neon indicators (internal resistor) 120VAC

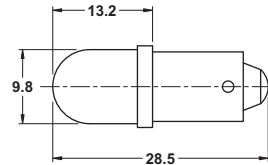
- 55-442-0** Red lens 120VAC
- 55-443-0** Amber lens 120VAC
- 55-445-0** Green lens 120VAC

Use -1 for Display Package

LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

Energy efficient, long lasting led replacement bulbs are suitable replacements for T3 1/4 (10mm) Bayonet Base Lamps. They are not affected with high vibration or harsh conditions like incandescent bulbs. These replacement bulbs will operate on either AC or DC voltage.



If = 20mA



Neon indicators (internal resistor) 120VAC

- 55-462-0** Red lens 120VAC
- 55-463-0** Amber lens 120VAC
- 55-465-0** Green lens 120VAC

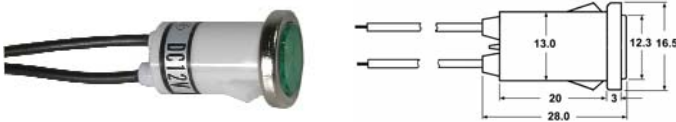
Use -1 for Display Package



Neon indicators (internal resistor) 120VAC

- 55-452-0** Red lens 120VAC
- 55-453-0** Amber lens 120VAC
- 55-455-0** Green lens 120VAC

Use -1 for Display Package



Incandescent indicators 12VDC

- 55-472-0** Red lens 12VDC
- 55-473-0** Amber lens 12VDC
- 55-475-0** Green lens 12VDC

Use -1 for Display Package

Part No.	Color	Volts	MCD	
55-110B-0	Blue	6V AC/DC	2800	7V Max
55-110G-0	Green	6V AC/DC	1300	
55-110R-0	Red	6V AC/DC	2000	
55-110Y-0	Yellow	6V AC/DC	2000	
55-110W-0	White	6V AC/DC	2000	15V Max
55-111B-0	Blue	12V AC/DC	2800	
55-111G-0	Green	12V AC/DC	1300	
55-111R-0	Red	12V AC/DC	2000	
55-111Y-0	Yellow	12V AC/DC	2000	32V Max
55-111W-0	White	12V AC/DC	2000	
55-112B-0	Blue	24V AC/DC	2800	
55-112G-0	Green	24V AC/DC	1300	
55-112R-0	Red	24V AC/DC	2000	32V Max
55-112Y-0	Yellow	24V AC/DC	2000	
55-112W-0	White	24V AC/DC	2000	

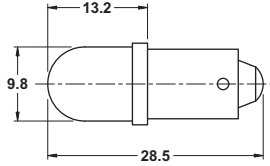
Use -1 for Display Package

LED replacement lamps continued on next page

LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

Energy efficient, long lasting led replacement bulbs are suitable replacements for T3 1/4 (10mm) Bayonet Base Lamps. They are not affected with high vibration or harsh conditions like incandescent bulbs. These replacement bulbs will operate on either AC or DC voltage.



If = 20mA

Part No.	Color	Volts	MCD
55-113B-0	Blue	120V AC/DC	2800
55-113G-0	Green	120V AC/DC	1300
55-113R-0	Red	120V AC/DC	2000
55-113W-0	White	120V AC/DC	2000
55-113Y-0	Yellow	120V AC/DC	2000

Use -1 for Display Package

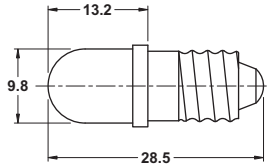
130V Max

T3 1/4 (10mm) Screw Base

These LED lamps are suitable long life replacements for T3 1/4 screw base lamps. The bottom contact is the anode (+) and the screw sleeve is the cathode. With internal resistor for the specified voltage



If = 20mA



Part No.	Color	Volts	MCD
55-120B-0	Blue	6VDC	2800
55-120G-0	Green	6VDC	1300
55-120R-0	Red	6VDC	2000
55-120Y-0	Yellow	6VDC	2000
55-120W-0	White	6VDC	2000
55-121B-0	Blue	12VDC	2800
55-121G-0	Green	12VDC	1300
55-121R-0	Red	12VDC	2000
55-121W-0	White	12VDC	2000
55-122B-0	Blue	24VDC	2800
55-122G-0	Green	24VDC	1300
55-122Y-0	Yellow	24VDC	2000
55-122W-0	White	24VDC	2000

Use -1 for Display Package

—

7V Max

15V Max

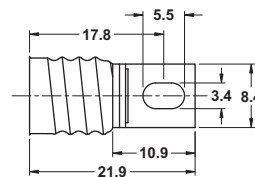
32V Max

E10 (T3 1/4) SCREW BASE SOCKETS



55-200-0
55-200-4

Bulk
Pkg (4)



55-201-0
55-201-3

Bulk
Pkg (3)

With right angle mounting tab.

E10 (T3 1/4) BAYONET BASE SOCKETS

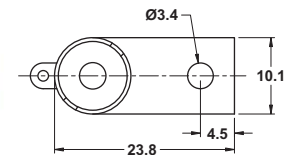


55-202-0
55-202-3

Bulk
Pkg (3)

55-203-0
55-203-3

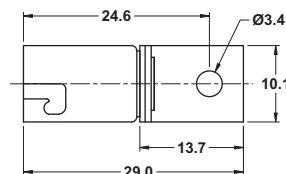
Bulk
Pkg (3)



With straight mounting tab.

55-204-0
55-204-3

Bulk
Pkg (3)

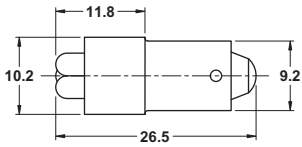


With right angle mounting tab.

SUPER BRIGHT LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

These LED lamps are suitable long life replacements for T3 1/4 bayonet base lamps. With internal resistor for the specified voltage



***Important Note:** This series of LED bulbs are suitable for AC or DC voltage.

Part No.	Color	Volts	MCD	If
55-211B-0	Blue	12V*	4500	32mA
55-211G-0	Green	12V*	17000	32mA
55-211R-0	Red	12V*	21000	32mA
55-211Y-0	Yellow	12V*	21000	32mA
55-211W-0	White	12V*	10000	32mA
55-212G-0	Green	24V*	17000	20mA
55-212R-0	Red	24V*	21000	20mA
55-212Y-0	Yellow	24V*	21000	20mA
55-212W-0	White	24V*	10000	20mA

15V Max

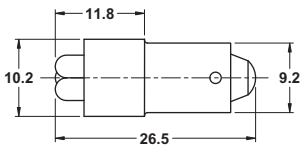
32V Max

Use -1 for Display Package

SUPER BRIGHT 120VAC/DC LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

These LED lamps are suitable long life replacements for T3 1/4 bayonet base lamps. With internal resistor for the specified voltage



If = 4.8mA

Part No.	Color	Volts	MCD
55-214B-0	Blue	120V*	800
55-214G-0	Green	120V*	3000
55-214R-0	Red	120V*	3500
55-214Y-0	Yellow	120V*	3500
55-214W-0	White	120V*	1800

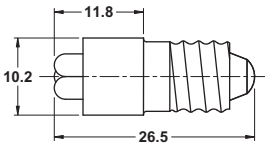
120V Max

Use -1 for Display Package

***Important Note:** This series of LED bulbs are suitable for AC or DC voltage.

T3 1/4 (10mm) Screw Base

These LED lamps are suitable long life replacements for T3 1/4 screw base lamps. With internal resistor for the specified voltage



If = 4.8mA

Part No.	Color	Volts	MCD
55-224W-0	White	120V*	1800

120V Max

Use -1 for Display Package

***Important Note:** This series of LED bulbs are suitable for AC or DC voltage.

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

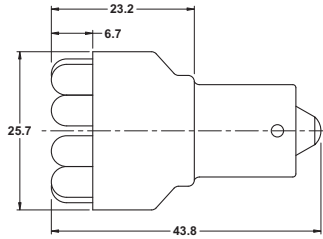
Visit our Web Site at
<http://www.mode-elec.com>

SUPER BRIGHT LED CLUSTER, SINGLE AND DUAL CONTACT, REPLACEMENT LAMPS

Replaces 1156 bulb



Consists of 12 LED's



These LED lamps are suitable long life replacements for 15mm bayonet base lamps. The bottom contact is the anode (+) and the bayonet sleeve is the cathode. With internal resistor for 12VDC.

Part No.	Color	Volts	LM	MCD	If
55-256R-0	Super Red	12V	9.5	7500	80mA
55-256G-0	Ultra Green	12V	20.0	21500	80mA
55-256W-0	Super White	12V	15.0	10800	80mA

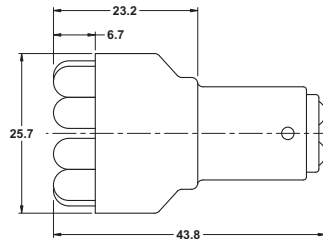
Use -1 for Display Package

14V Max

Replaces 1157 bulb



Consists of 12 LED's



These LED lamps are suitable long life replacements for 15mm bayonet base, dual contact lamps. With internal resistor for 12VDC

Part No.	Color	Volts	LM	MCD	If
55-257R-0	Super Red	12V	8.0/1.8	7500	80/25mA
55-257Y-0	Super Yellow	12V	9.5/2.2	8800	80/25mA

Use -1 for Display Package

14V Max

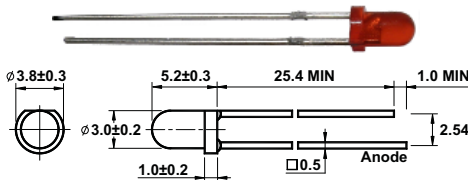
All LED's (excluding the LED indicator lamps with internal resistor) require a resistor in series to limit the current to the required specification (usually 20mA). Use Ohm's law to calculate the value of the resistor required. Most LED's have a voltage drop of 2 volts. Blue & white LED's are 3.5 - 4 volts.

$$V=IR \text{ (volts = current(amps) } \times \text{ resistance)}$$

For a 12VDC supply voltage @ 20mA the required resistor would be:
 $10 \text{ (volts)} / .02 \text{ (amps)} = 500 \text{ ohms}$

LED'S ARE SUITABLE FOR DC ONLY

3mm LED'S



STANDARD 3mm LED'S

Brightness rating @ 10mA

55-532-0	Red	4MCD
55-533-0	Red	35MCD
55-534-0	Yellow	6MCD
55-535-0	Green	15MCD

Use -5 for Display Package

HIGH BRIGHTNESS 3mm LED'S

Brightness rating @ 20mA

55-532HB-0	Red	150MCD
55-534HB-0	Yellow	1200MCD
55-535HB-0	Green	3000MCD
55-536HB-0	White	1200MCD

Use -3 for Display Package

SUPER BRIGHT 3mm LED'S

Brightness rating @ 20mA

55-532SB-0	Red	1800MCD
55-534SB-0	Yellow	2000MCD
55-535SB-0	Green	4000MCD
55-536SB-0	White	1800MCD
55-537SB-0	Blue	2000MCD
55-540SB-0	Pink	1800MCD

Use -1 for Display Package

EXTRA BRIGHT 3mm LED'S

Brightness rating @ 20mA

55-532XB-0	Red	5000MCD
55-534XB-0	Yellow	4000MCD
55-535XB-0	Green	5000MCD
55-536XB-0	White	2400MCD
55-537XB-0	Blue	3500MCD

Use -1 for Display Package

ULTRA BRIGHT 3mm LED'S

Brightness rating @ 20mA

55-532UB-0	Red	7000MCD
55-535UB-0	Green	8000MCD
55-536UB-0	White	6000MCD
55-537UB-0	Blue	4500MCD

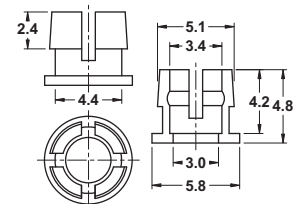
Use -1 for Display Package

3mm MOUNTING BEZEL



3mm plastic mounting bezel (1 piece)

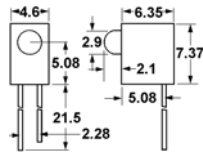
55-530-0 Bulk
55-530-10 Disp. Pkg. (10)



LED's continued on next page.

We have many different types of LED's available on special order. If you have a requirement, please contact Mode or your local Distributor for details and order quantities.

3mm R/A LED'S

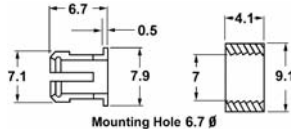


Brightness level @ 10mA

- 55-542-0** Red 3.2MCD
- 55-545-0** Green 15MCD

Use -5 for Display Package

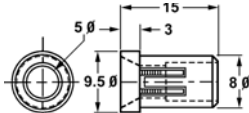
5mm LED HOLDER



Plastic 2 piece panel mount holder for 5mm LED's.
Mounting Hole 6.7 φ

- 55-550-0** Bulk
- 55-550-10** Display Package (10)

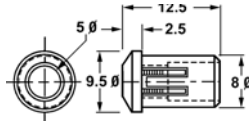
5mm LED HOLDER (concave)



Plastic 1 piece panel mount holder for 5mm LED's.

- 55-550A-0** Bulk
- 55-550A-4** Display Package (4)

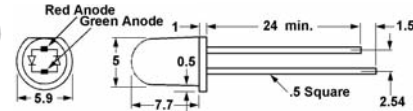
5mm LED HOLDER (convex)



Plastic 1 piece panel mount holder for 5mm LED's.

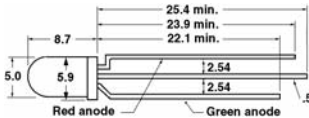
- 55-550B-0** Bulk
- 55-550B-4** Display Package (4)

BI-COLOR LED'S



2-lead dual color LED

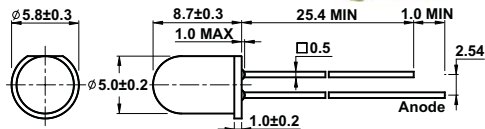
- 55-582-0** Red/Green 2.2/3.5MCD
- 55-582-5** Display Package (5)



3-lead dual color LED

- 55-592-0** Red/Green 2.2/2.5MCD
- 55-592-5** Display Package (5)

5mm LED'S



STANDARD 5mm LED's

5mm LED's Brightness rating @ 10mA

- 55-552-0** Red 5MCD
- 55-553-0** Orange 10MCD
- 55-554-0** Yellow 30MCD
- 55-555-0** Green 30MCD
- 55-558-0** Blue 40MCD
- 55-558-1** Display Package
- 55-561-0** Violet 3MCD
- 55-561-2** Display Package (2)

Use -5 for Display Package-except 55-558 and 55-561

HIGH BRIGHTNESS 5mm LED'S

Brightness rating @ 20mA

- 55-556-0** Red 2000MCD
- 55-556-5** Display Package (5)
- 55-555HB-0** Green 1000MCD
- 55-558HB-0** Blue 2500MCD
- 55-559HB-0** White 2000MCD

Use -1 for Display Package-except 55-556

SUPER BRIGHT 5mm LED'S

Brightness rating @ 20mA

- 55-557-0** Red 2500MCD
- 55-557-2** Display Package (2)
- 55-554SB-0** Yellow 3000MCD
- 55-554SB-2** Display Package (2)
- 55-555SB-0** Green 10000MCD
- 55-555SB-1** Display Package
- 55-558SB-0** Blue 3500MCD
- 55-558SB-1** Display Package
- 55-559SB-0** White 3000MCD
- 55-559SB-1** Display Package
- 55-560SB-0** Pink 2000MCD
- 55-560SB-2** Display Package (2)

EXTRA BRIGHT 5mm LED'S

Brightness rating @ 20mA

- 55-552XB-0** Red 7000MCD
- 55-554XB-0** Yellow 3500MCD
- 55-555XB-0** Green 11000MCD
- 55-558XB-0** Blue 4500MCD
- 55-559XB-0** White 5500MCD
- 55-559XB-2** Display Package (2)

Use -3 for Display Package-except 55-559XB

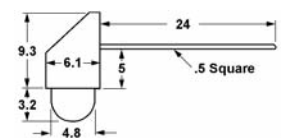
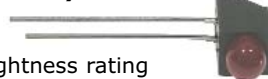
ULTRA BRIGHT 5mm LED'S

Brightness rating @ 20mA

- 55-552UB-0** Red 14000MCD
- 55-554UB-0** Yellow 8000MCD
- 55-555UB-0** Green 23000MCD
- 55-558UB-0** Blue 5500MCD
- 55-559UB-0** White 20000MCD
- 55-559UB-2** Display Package (2)

Use -3 for Display Package-except 55-559XB

5mm R/A LED'S

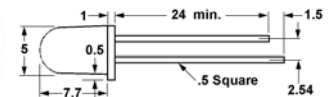


Brightness rating @ 10mA

- 55-562-0** Red 3.2MCD
- 55-564-0** Yellow 5.0MCD

Use -5 for Display Package

5mm FLASHING LED

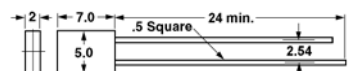


5mm flashing LED. Requires no external circuitry.

- 55-572-0** Red 1000MCD (3 - 5VDC)
- 55-572-2** Display Package (2)
- 55-573-0** Red 18MCD (3.5 - 14VDC)
- 55-573-2** Display Package (2)



RECTANGULAR LED'S



2 x 5mm rectangular LED'S

- 55-603-0** Orange 4.5MCD
- 55-604-0** Yellow 3.5MCD

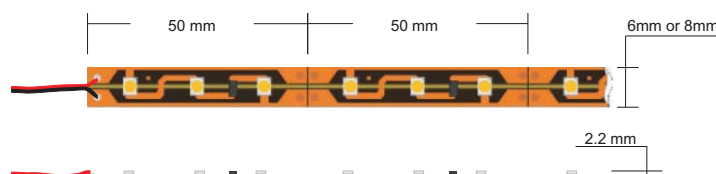
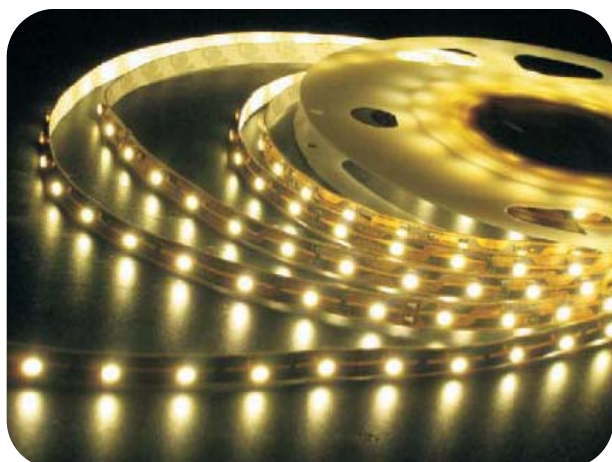
Use -5 for Display Package

INDOOR SERIES - BARE PCB LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Non-Waterproof IP20: 2 - Protected against solid objects up to 12mm³, 0 - No protection
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption.
 Long life span LED lights, more than 50,000 hours.
 Adhesive back, peel & stick. Ideal for sign letters and channel letters, concealed lights, room lighting

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7030B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7030G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7030R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7030Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7030W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7030WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7060B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7060G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7060R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7060Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7060W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7060WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-70300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-70300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-70300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-70300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-70300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-70300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120



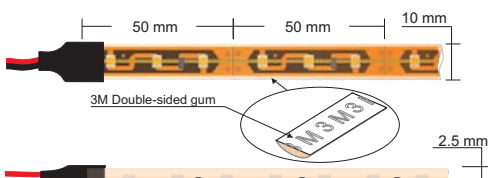
SILICONE COATED SERIES LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Waterproof IP65: 6 - Totally protected against dust, 5 - Protected against low pressure jets of water from all directions - limited ingress permitted
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption. Long life span LED lights, more than 50,000 hours. Adhesive back, peel & stick.

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7130B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7130G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7130R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7130Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7130W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7130WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7160B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7160G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7160R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7160Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7160W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7160WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-71300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-71300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-71300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-71300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-71300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-71300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120
55-7130RGB-0 *	5 / 150	n/a	RGB (Multi)	R: 60 G: 120 B: 75	n/a	n/a	120
55-7160RGB-0 *	5 / 300	n/a	RGB (Multi)	R: 120 G: 240 B: 150	n/a	n/a	120

* RGB Multi Color. DMX compatible. RGB Controller is required (55-725-0)



RGB CONTROLLER



- 9 pattern adjustable controller
- Rated current: 8A
- Rated load current: 8A x 3CHANNEL
- Working Voltage: 12VDC
- Working temperature: -20°C ~ 60°C
- Size: 107x65x24mm

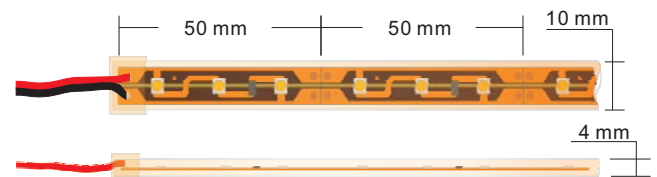
55-725-0

SILICONE SLEEVE SERIES LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Waterproof IP67: 6 - Totally protected against dust, 7 - Protected against the effect of immersion between 15cm and 1m
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption. Long life span LED lights, more than 50,000 hours.

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7230B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7230G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7230R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7230Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7230W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7230WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7260B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7260G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7260R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7260Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7260W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7260WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-72300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-72300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-72300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-72300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-72300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-72300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120



End Cap and Clip for 55-72X and 55-73X Series

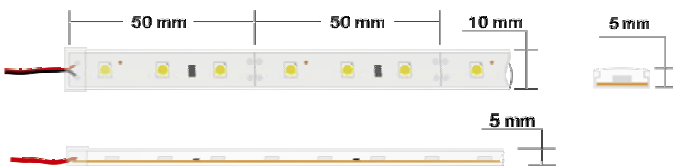


SILICONE ENCAPSULATED SERIES LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Waterproof IP68: 6 - Totally protected against dust, 8 - Protected against long periods of immersion under pressure
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption. Long life span LED lights, more than 50,000 hours.

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7330B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7330G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7330R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7330Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7330W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7330WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7360B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7360G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7360R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7360Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7360W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7360WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-73300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-73300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-73300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-73300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-73300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-73300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120



End Cap and Clip for 55-72X and 55-73X Series



LED STRIP DIMMER



- Single color LED Strips Dimmer (not for 55-7130RGB- 0 or 55-7160RGB-0)
- Maximum up to 18A current output
- Working Voltage:12VDC
- Working temperature: -20°C ~ 60°C
- Size: 107x55x24mm
- Sturdy aluminum frame

55-724-0

LAMP CROSS-REFERENCE

Generic lamp number to Mode part number.

Important Note: This cross-reference only indicates the closest Mode part for the generic lamp numbers. If the Mode # is the same as the generic # they are identical parts. The Mode lamps were selected to be suitable replacements for a number of lamps. They may not be electrically identical. Our objective was to offer a limited number of lamps that could replace many of the similar generic items. Please make sure to check the exact specifications for a replacement to make sure that it is suitable.

PR2	56-PR2	74	56-0037	342	56-0378	1142	56-1076	2218	56-1204
PR4	56-PR2	79	56-0086	345	56-0349	1152	56-1076	2341	56-0017
PR5	56-PR2	82	56-0064	346	56-0346	1178	56-1178	2370	56-1764
PR6	56-PR6	84	56-0086	349	56-0349	1224	56-1224	2741	56-0017
PR9	56-PR6	86	56-0086	350	56-0349	1228	56-1229	3150	56-0349
PR14	56-PR6	90	56-1178	356	56-0356	1229	56-1229	3724	56-0605
PR31	56-PR6	94	56-1076	363	56-0182	1252	56-0624	3895	56-0755
PR3	56-PR17	123	56-0131	367	56-8918	1302	56-0755	6839	56-6839
PR7	56-PR17	131	56-0131	369	56-0399	1436	56-0043	7121D	56-0050
PR30	56-PR17	147	56-0259	370	56-0459	1445	56-0182	7326	56-0373
PR13	56-PR17	158	56-0168	373	56-0373	1450	56-0356	7327	56-7376
PR32	56-PR17	159	56-0259	375	56-0375	1482	56-0605	7328	56-7349
PR15	56-PR17	161	56-0168	362	56-0373	1483	56-0605	7330	56-7373
PR17	56-PR17	168	56-0168	376	56-7341	1638	56-1638	7332	56-0349
PR12	56-PR20	182	56-0182	377	56-0349	1692	56-1204	7333	56-0349
PR18	56-PR20	194	56-0168	378	56-0678	1705	56-2162	7334	56-0349
PR20	56-PR20	194A	56-0168	379	56-0398	1738	56-1738	7346	56-0398
16	56-0086	238	56-0755	380	56-0349	1764	56-1764	7371	56-7373
18	56-0037	239	56-0755	381	56-0349	1767	56-1769	7373	56-7373
22	56-0022	240	56-0755	382	56-8918	1768	56-0378	7376	56-7376
27	56-0502	250	56-0182	385	56-7341	1769	56-1769	7382	56-7373
31	56-0605	251	56-0375	386	56-0346	1775	56-1378	7387	56-7376
32	56-0022	257	56-0293	397	56-7341	1809	56-0043	7420	56-0022
37	56-0037	259	56-0259	428	56-0430	1810	56-0755	7683	56-7715
40	56-0046	265	56-0356	431	56-0293	1813	56-1815	7714	56-7715
41	56-0042	293	56-0293	435	56-0605	1821	56-1821	7715	56-7715
42	56-0042	304	56-0624	455	56-0055	1823	56-0750	7876	56-7376
43	56-0043	306	56-1204	456	56-0456	1847	56-0755	8022	56-0718
44	56-0755	308	56-1204	459	56-0459	1850	56-0755	8176	56-7341
46	56-0046	308IF	56-1204	502	56-0502	1866	56-0755	8362	56-0373
47	56-0755	316	56-0755	503	56-0055	1869	56-2162	8918	56-8918
48	56-0042	327	56-7341	555	56-0259	1888	56-0755		
49	56-0043	328	56-0349	605	56-0605	1895	56-0293		
53	56-0182	394	56-8918	624	56-0624	1906	56-0755		
53X	56-0182	398	56-0398	658	56-0168	2107	56-2162		
55	56-0055	399	56-0369	685	56-0718	2162	56-2162		
56	56-0086	407	56-0407	714	56-0718	2169	56-0738		
57	56-0293	330	56-8918	718	56-0718	2174	56-2162		
57X	56-0293	332	56-0349	755	56-0755	2176	56-1764		
58	56-1738	334	56-0334	908	56-0908	2182	56-2162		
64	56-0064	335	56-0399	927	56-0908	2185	56-1764		
68	56-1178	336	56-0346	1076	56-1076	2187	56-1764		
70	56-0037	337	56-0398	1109	56-1076	2192	56-2162		
73	56-0037	338	56-0375	1118	56-1076	2209	56-1204		

FLASHLIGHT BULBS (B3 1/2)



Part No.	Volts	Amps	CP	Life
56-PR2-0	2.38	.50	.80	15
56-PR6-0	2.47	.30	.45	30
56-PR17-0	4.90	.30	1.2	31.8
56-PR20-0	8.63	.50	5.0	31.8

SCREW/BAYONET (G4 1/2)



Part No.	Base	Volts	Amps	CP	Life
56-0407-0	Screw	4.90	.30	1.2	50
56-0502-0	Screw	5.10	.15	.60	100
56-0605-0	Screw	6.15	.50	3.4	15
56-0055-0	Bay	7.0	.41	2.0	500
56-0293-0	Bay	14.0	.33	2.0	7500
56-0456-0	Bay	28.0	.17	2.0	3000

SCREW/BAYONET (G3 1/2)



Part No.	Base	Volts	Amps	CP	Life
56-0131-0	Screw	1.30	.10	.03	50
56-0182-0	Bay	14.0	.18	1.0	2000
56-0356-0	Bay	28.0	.17	3.5	500

DC BAYONET (G6)



Part No.	Base	Volts	Amps	CP	Life
56-0064-0	Bay	7.0	.63	3.0	1000
56-1178-0	Bay	13.5	.69	4.0	5000
56-0624-0	Bay	28	.37	6.0	1000
56-1224-0	Bay	34.0	.16	3.8	275

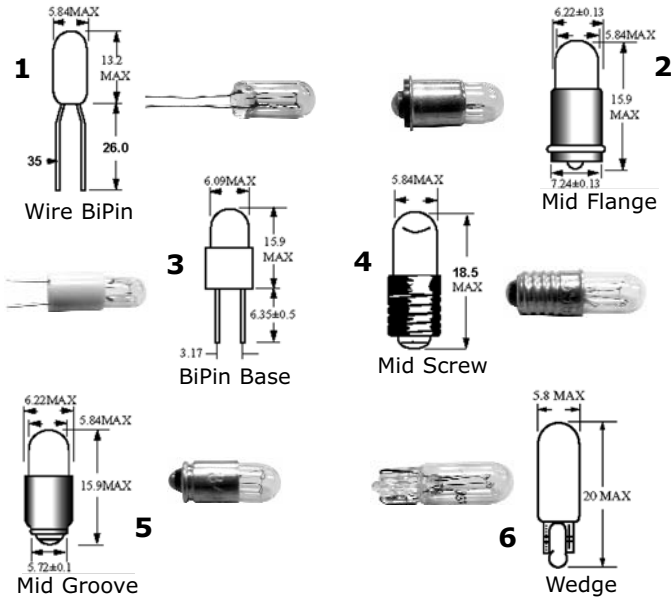
DC BAYONET (S8)



Lamp Specifications:
Current in Amperes
CP = Mean Spherical Candle Power
Life is listed in hours.

Part No.	Base	Volts	Amps	CP	Life
56-1076-0	Bay	12.8	1.8	32	200
56-1204-0	Bay	28.0	.71	21	400
56-1638-0	Bay	28.0	1.02	32	500
56-1229-0	Bay	34.0	.45	15	275

T1 3/4 BULBS



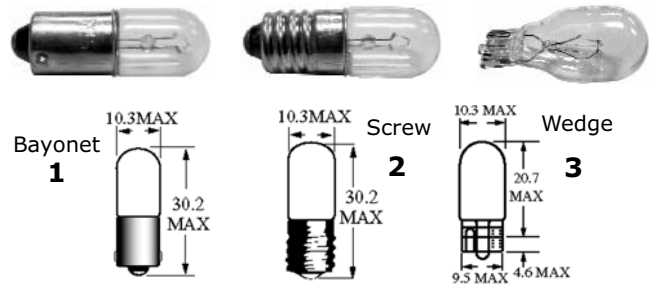
Part No.	Base	Volts	Amps	CP	Life
56-1738-0	1	2.70	.06	.04	6000
56-2162-0	1	14.0	.10	.50	10K
56-1764-0	1	28.0	.04	.34	4000
56-0375-0	2	3.0	.015	.003	20K
56-0349-0	2	6.3	.20	.55	20K
56-8918-0	2	14.0	.10	.50	10K
56-0459-0	2	22.0	.04	.30	5000
56-7341-0	2	28.0	.065	.65	5000
56-7373-0	3	14.0	.10	.50	10K
56-7376-0	3	28.0	.065	.65	10K
56-1769-0	4	2.5	.20	.20	1000
56-0378-0	4	6.3	.20	.40	20K
56-0373-0	4	14.0	.08	.50	2500
56-0399-0	4	28.0	.04	.30	7000
56-0398-0	5	6.3	.20	.55	20K
56-0346-0	5	18.0	.04	.15	10K
56-0086-0	6	6.3	.20	.40	20K
56-0037-0	6	14.0	.09	.50	2500

T1 BULBS



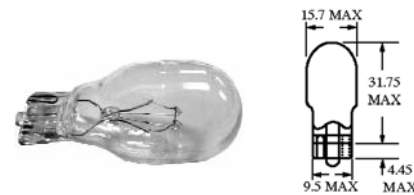
Part No.	Base	Volts	Amps	CP	Life
56-0718-0	MF	5.0	.115	.15	40K
56-0022-0	MF	14.0	.04	.132	16K
56-6839-0	MF	28.0	.024	.15	16K
56-7715-0	BiPin	5.0	.115	.15	40K

T3 1/4 BULBS



Part No.	Base	Volts	Amps	CP	Life
56-0043-0	1	2.5	.50	.50	3000
56-0755-0	1	6.3	.15	.33	20K
56-0042-0	2	3.2	.35	.50	3000
56-0046-0	2	6.3	.25	.90	3000
56-1821-0	2	28.0	.17	3.5	500
56-0259-0	3	6.3	.25	.65	5000
56-0168-0	3	14.0	.35	3.0	1500
56-0464-0	3	28.0	.17	3.0	1500

T5 WEDGE BASE BULBS



Part No.	Base	Volts	Amps	CP	Life
56-0908-0	Wedge	6.0	1.5	12	50

The lamps shown in this catalog are stocked. We have many additional types available - contact us or your local Distributor for details.

Have you ever wondered where the bulb size designations came from or what they mean? So did we... they refer to increments of .125" (1/8"). For example a T1 is .125" in Diameter. A T3 1/4 is 3.25 x .125 = .40625". In Metric a T1 3/4 is considered 5mm and T3 1/4 is considered 10mm.

FUSEHOLDERS

10A @ 250VAC



Bayonet style fuse holder for 3AG (1/4" x 1 1/4") fuses.

55-800-0 Bulk
55-800-1 Display Package

10A @ 250VAC



Screw type fuseholder for 3AG (1/4" x 1 1/4") fuses.

55-802-0 Bulk
55-802-1 Display Package

INLINE FUSEHOLDER



Screw bakelite fuseholder for 3AG (1/4" x 1 1/4") fuses. 45cm of 12 AWG red wire. 20A @ 250VAC

55-820-0 Bulk
55-820-1 Pkg

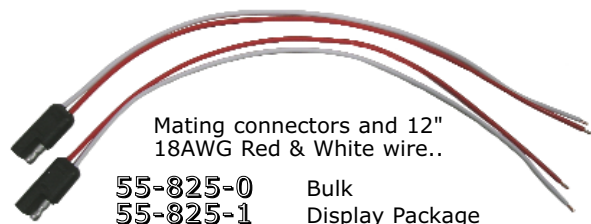
INLINE FUSEHOLDER



Polypropylene fuseholder for 3AG (1/4" x 1 1/4") fuses. 19cm red 18AWG wire. 5A @ 250VAC.

55-821-0 Bulk
55-821-1 Pkg

TRAILER HARNESS CABLE SET



Mating connectors and 12" 18AWG Red & White wire..

55-825-0 Bulk
55-825-1 Display Package

FUSES

Standard 3AG size (1/4" x 1 1/4") fuses. Slow blow (MDL) & fast blow (AGC)



Slow blow

55-950-0 5 Amp
55-951-0 10 Amp
55-952-0 15 Amp
55-953-0 20 Amp

Use -5 for Display Package

Fast blow

55-910-0 1 Amp
55-920-0 2 Amp
55-923-0 3 Amp
55-925-0 5 Amp
55-930-0 10 Amp
55-932-0 15 Amp
55-933-0 20 Amp
55-934-0 25 Amp
55-935-0 30 Amp

Use -5 for Display Package

55-955-0 0.5 Amp * Not CSA/UL

BATTERY HOLDERS



2 x 'AA'
57-321-0
57-321-2

Bulk
Package (2)



2 x 'AA'
57-322-0
57-322-2

Bulk
Package (2)



4 x 'AA'
57-342-0
57-342-2

Bulk
Package (2)



4 x 'AA'
57-343-0
57-343-2

Bulk
Package (2)



2 x 'AAA'
57-422-0
57-422-2

Bulk
Package (2)

BATTERY SNAPS



57-901-0



57-902-0

9 Volt battery snaps - 24AWG 150mm long

57-901-0 'T' type Bulk
57-902-0 'T' type Bulk
Use -10 for Display Package



9 Volt molded battery snaps - 24AWG 150mm long

57-902M-0 'T' type Bulk
Use -5 for Display Package

SPEAKER TERMINALS



4 push type terminals, color coded for any audio application. Overall size: 75mm x 20mm. Mounting holes 64mm centre to centre.

58-094-0 Bulk
58-094-1 Pkg



Phenolic mounted push-type speaker terminals. 23 W x 50 L. Mounting holes 39.5 mm centre to centre.

58-098-0 Bulk
58-098-2 Package (2)



Push type speaker terminals 20 W x 55 L. Mounting holes 45 mm centre to centre.

58-099-0 Bulk
58-099-2 Package (2)

TERMINAL BLOCKS

SPECIFICATIONS

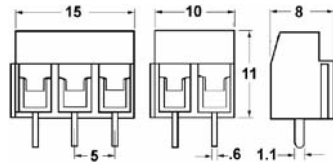
Materials:

Housing: Polyamid 6.6
Terminals: Tin plated brass
Contacts: Nickel plated brass

Electrical:

Ratings: 8A @ 300 Volts
Wire size: 14 AWG maximum

These lock together forming a continuous 5mm spacing terminal block



58-102-0 Bulk 2-position
58-102-3 Package (3)
58-103-0 Bulk 3-position
58-103-2 Package (2)



SPECIFICATIONS

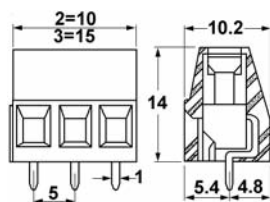
Materials:

Housing: Polyamid 6.6
Terminals: Tin plated brass
Contacts: Nickel plated brass

Electrical:

Ratings: 20 Amp @ 300 V
Wire size: 12 AWG maximum

These lock together forming a continuous 5mm spacing terminal block

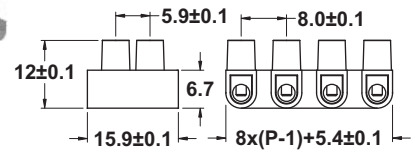
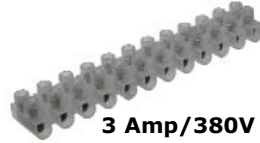


58-112-0 Bulk 2-position
58-112-3 Package (3)
58-113-0 Bulk 3-position
58-113-2 Package (2)



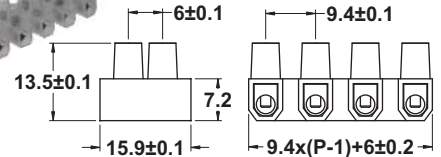
TERMINAL BLOCKS

These 12 position flexible terminal blocks can be cut to length.



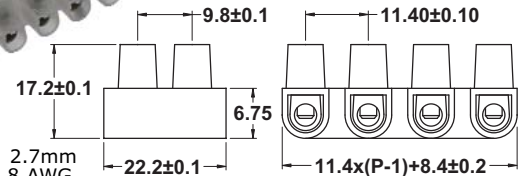
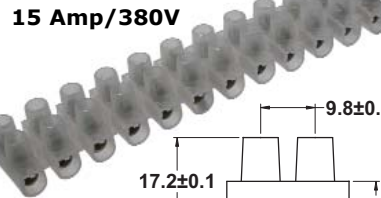
58-301-0 Bulk
58-301-2 Pkg (2)

Mounting holes: 2.7mm
Maximum Wire Size: 12 AWG



58-302-0 Bulk
58-302-2 Pkg (2)

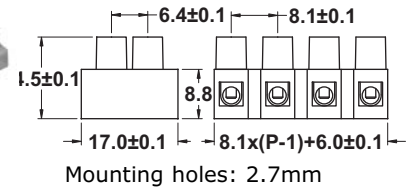
Mounting holes: 2.7mm
Maximum Wire Size: 10 AWG



Mounting holes: 2.7mm
Max. Wire Size: 8 AWG

58-303-0 Bulk
58-303-1 Pkg

These flexible 12-position terminal blocks with wire protectors are made of Nylon 66, UL94V2 and are approved by cUR (E152546), VDE, FIMCO and CQC.



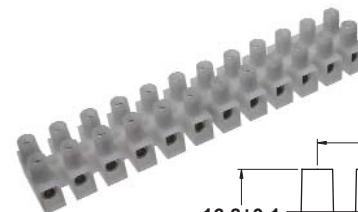
Mounting holes: 2.7mm



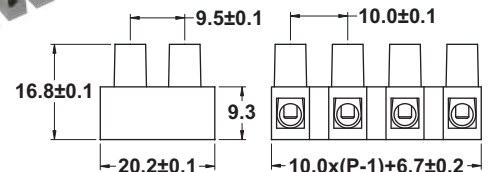
Current: cUR 10 Amps/300V
VDE 17.5 Amps/450V
Wire: cUR 12-22 AWG
VDE 1.5 mm²



58-308-0 Bulk
58-308-1 Pkg



Mounting holes: 3.1mm



Current: cUR 30 Amps/600V
VDE 24 Amps/450V
Wire: cUR 12-22 AWG
VDE 2.5 mm²



58-312-0 Bulk
58-312-1 Pkg

We have many different types of terminal blocks available on special order. If you have a requirement, please contact Mode or your local Distributor for details and order quantities.



**TERMINAL BLOCK
20Amp 600VAC**

Suitable for wire sizes
22 to 10 AWG

58-425-0 Bulk



**TERMINAL BLOCK
30Amp 600VAC**

Suitable for wire sizes
22 to 10 AWG

58-400-0 Bulk

**SIDE COVER FOR
58-425-0 and 58-400-0**

58-401-0 Bulk



**TERMINAL BLOCK
40Amp 600VAC**

Suitable for wire sizes
8 to 22 AWG

58-402-0 Bulk

**SIDE COVER FOR
58-402-0**

58-403-0 Bulk



**TERMINAL BLOCK
60Amp 600VAC**

Suitable for wire sizes
6 to 18 AWG

58-404-0 Bulk

**SIDE COVER FOR
58-404-0**

58-405-0 Bulk



**TERMINAL BLOCK
75Amp 600VAC**

Suitable for wire sizes 6
to 16 AWG

58-406-0 Bulk

**SIDE COVER FOR
58-406-0**

58-407-0 Bulk



**DIN RAIL END
STOPPER**

Suitable for locking
terminals into position
on the rail

58-410-0 Bulk



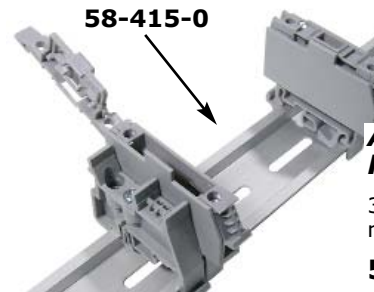
FUSE TERMINAL

5 x 20mm fuse - wire
sizes 22 to 10 AWG

58-412-0 Bulk

**SIDE COVER FOR
58-412-0**

58-413-0 Bulk



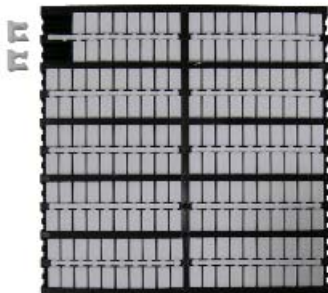
58-415-0

**ALUMINUM DIN
RAIL**

35 x 7.5 mm - 1
meter long

58-415-0 Bulk

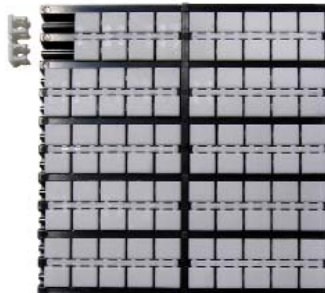
SINGLE BLANK MARKERS



Single blank markers suitable for the
58-400-0, 58-402-0 and 58-425-0
terminal blocks. 200/Tray

58-426-0 Bulk

DUAL BLANK MARKERS



Dual blank markers suitable for the
58-400-0, 58-402-0 and 58-425-0
terminal blocks. 100/Tray

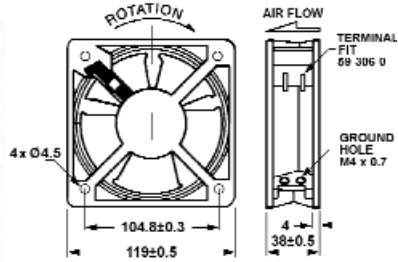
58-426D-0 Bulk

**80 POSITION BRIDGE BAR
FOR 58-425-0**



On the picture only 12 are shown.

58-428-0 Bulk



59-100-0

59-100-0

115VAC
120 x 120 x 38mm

Bearing: Sleeve
Air flow: 101 CFM
Load: .20 A (18 watts)
Noise: 45 dbA
Speed: 3000 RPM



59-101-0

115VAC
120 x 120 x 38mm



Bearing: Ball
Air flow: 105 CFM
Load: .20 A (18 watts)
Noise: 40 dbA
Speed: 2700 RPM



59-112-0

12VDC
120 x 120 x 38mm

Bearing: Sleeve
Air flow: 105 CFM
Load: .5 A (6 watts)
Noise: 43 dbA
Speed: 2800 RPM



59-113-0

12VDC
120 x 120 x 38mm

Bearing: Hypro
Air flow: 105 CFM
Load: .5 A (6 watts)
Noise: 43 dbA
Speed: 2800 RPM

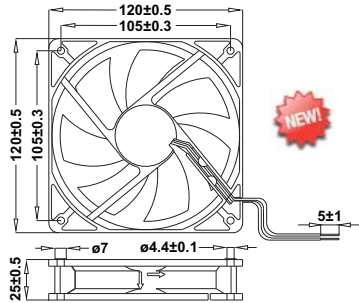


59-114-0

12VDC
120 x 120 x 38mm



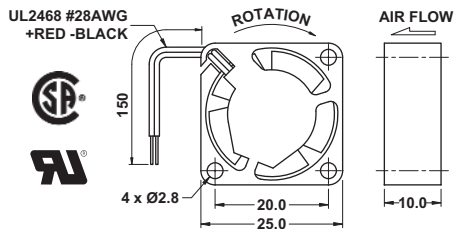
Bearing: Ball
Air flow: 140 CFM
Load: .55 A (6.6 watts)
Noise: 43 dbA
Speed: 2800 RPM



59-115-0

12VDC
120 x 120 x 25mm

Bearing: Sleeve
Air flow: 90 CFM
Load: .25 A (3 watts)
Noise: 33 dbA
Speed: 2300 RPM



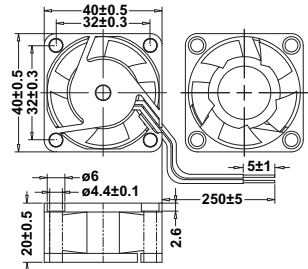
59-225-0

12VDC
25 x 25 x 10mm

Bearing: Hypro
Air flow: 1.8 CFM
Load: .07 A (.8 watts)
Noise: 15.6 dbA
Speed: 8000 RPM



59-245B-0



59-244-0

12VDC
40 x 40 x 20mm

Bearing: Sleeve
Air flow: 5.2 CFM
Load: .05 A (.6 watts)
Noise: 23 dbA
Speed: 4500 RPM



59-245-0

12VDC
40 x 40 x 20mm

Bearing: Hypro
Air flow: 7.5 CFM
Load: .07 A (.8 watts)
Noise: 24 dbA
Speed: 6000 RPM



59-245B-0

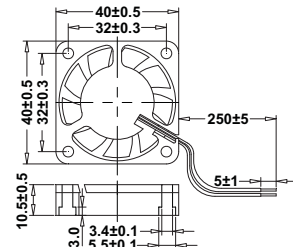
12VDC
40 x 40 x 20mm



Bearing: Ball
Air flow: 7.45 CFM
Load: .08 A (.96 watts)
Noise: 28 dbA
Speed: 6500 RPM



59-246-0



59-246-0

12VDC
40 x 40 x 10mm



Bearing: Sleeve
Air flow: 6.45 CFM
Load: .12 A (1.44 watts)
Noise: 25 dbA
Speed: 6600 RPM



59-247-0

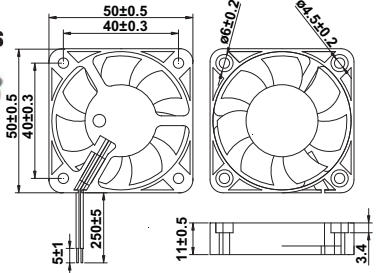
12VDC
40 x 40 x 10mm



Bearing: Ball
Air flow: 6.45 CFM
Load: .12 A (1.44 watts)
Noise: 25 dbA
Speed: 6600 RPM



RU US

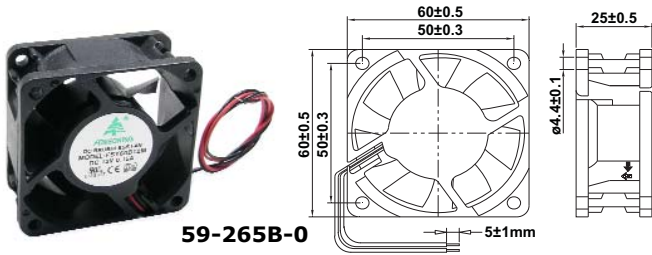


59-254-0

12VDC
50 x 50 x 10mm

Bearing: Sleeve
Air flow: 9.69 CFM
Load: .12 A (1.44 watts)
Noise: 31 dbA
Speed: 5700 RPM

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com



59-265B-0

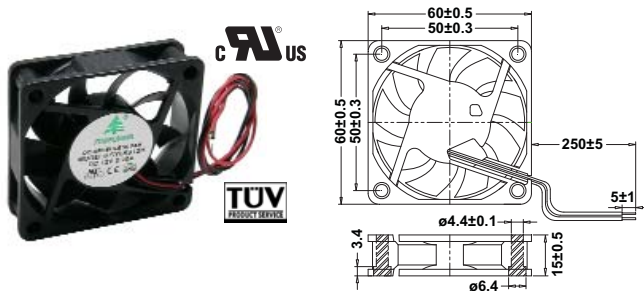
59-264-0
12VDC
60 x 60 x 25mm
Bearing: Sleeve
Air flow: 18 CFM
Load: .16 A (1.9 watts)
Noise: 31 dbA
Speed: 3800 RPM



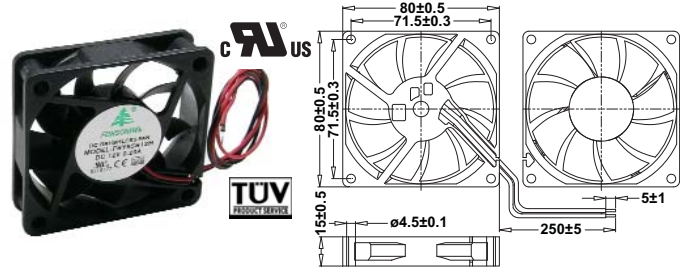
59-265-0
12VDC
60 x 60 x 25mm
Bearing: Hypro
Air flow: 18 CFM
Load: .14 A (1.7 watts)
Noise: 24 dbA
Speed: 3500 RPM



59-265B-0
12VDC
60 x 60 x 25mm
Bearing: Ball
Air flow: 18 CFM
Load: .15 A (1.8 watts)
Noise: 32 dbA
Speed: 1800 RPM

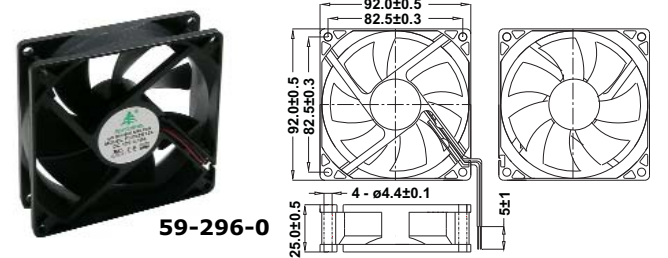


59-266-0
12VDC
60 x 60 x 15mm
Bearing: Sleeve
Air flow: 20 CFM
Load: .2 A (2.4 watts)
Noise: 32 dbA
Speed: 4500 RPM



59-286-0

12VDC
80 x 80 x 15mm
Bearing: Sleeve
Air flow: 36 CFM
Load: .22 A (2.64 watts)
Noise: 32 dbA
Speed: 3600 RPM



59-294-0

12VDC
92 x 92 x 25mm
Bearing: Sleeve
Air flow: 50 CFM
Load: .25 A (3 watts)
Noise: 34 dbA
Speed: 2700 RPM



59-295-0
12VDC
92 x 92 x 25mm
Bearing: Ball
Air flow: 54 CFM
Load: .22 A (2.64 watts)
Noise: 38 dbA
Speed: 2800 RPM



59-296-0
12VDC
92 x 92 x 25mm
Bearing: Sleeve
Air flow: 23 CFM
Load: .1 A (1.2 watts)
Noise: 38 dbA
Speed: 2100 RPM

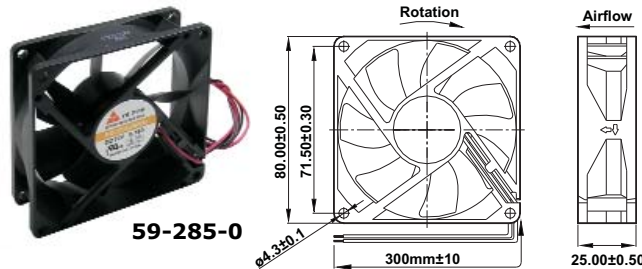


FAN ACCESSORIES

600mm power cord for 59-100-0 and 59-101-0
59-306-0 Bulk

Nickel plated finger guards
59-310-0 120mm
59-316-0 60mm
59-318-0 80mm
59-319-0 92mm

Fan filter kits
59-330-0 40mm
59-331-0 50mm
59-332-0 60mm
59-333-0 80mm
59-334-0 92mm
59-335-0 120mm



59-285-0

59-284-0
12VDC
80 x 80 x 25mm
Bearing: Sleeve
Air flow: 27 CFM
Load: .12 A (1.4 watts)
Noise: 25 dbA
Speed: 2200 RPM

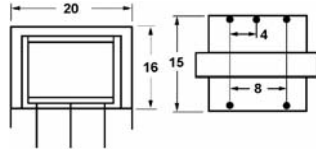


59-285-0
12VDC
80 x 80 x 25mm
Bearing: Ball
Air flow: 37 CFM
Load: .16 A (1.9 watts)
Noise: 30 dbA
Speed: 2500 RPM



The fans shown in this catalog are our most popular types. If you require a different size or voltage, please contact us or your local Mode distributor for price and availability.

AUDIO TRANSFORMERS



Primary: 500Ω center-tapped Secondary: 8Ω

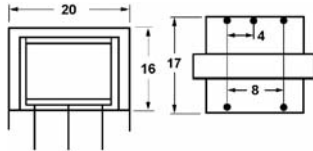
60-281-0 Bulk

Primary: 1.2KΩ center-tapped Secondary: 8Ω

60-282-0 Bulk

Use -1 for Display Package

600Ω : 600Ω TRANSFORMER



Center pin on primary side is an electrostatic shield.

Primary: 600Ω
Secondary: 600Ω
Freq. response: 300Hz - 3500Hz
Max. current: 160mA

60-606-0 Bulk **60-606-1** Display Pkg.

AUDIO L PADS

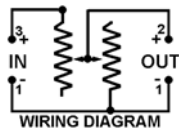


8 ohm 15 watt balanced impedance audio level control.

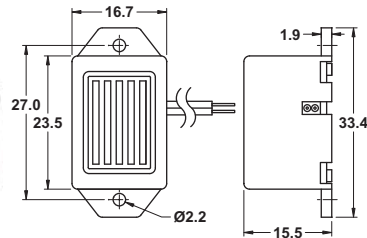
61-111-0 Mono Bulk

61-112-0 Stereo Bulk

Use -1 for Display Package



BUZZERS

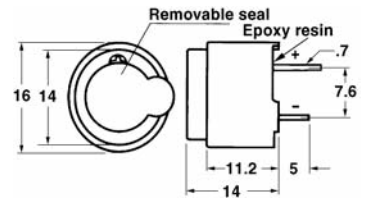


Solid state buzzer 100mm leads

Current: 30mA
Sound output: 85db @ 30cm (61-211-0)
88db @ 30cm (61-212-0)
Frequency: 400Hz

61-211-0 4-8VDC
61-212-0 8-16VDC

Use -1 for Display Package

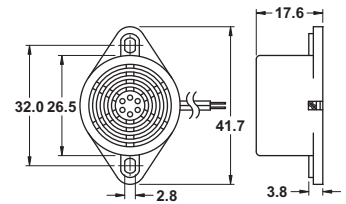


Magnetic buzzer. Complete with internal driver.

Current: 40mA
Output: 85db @ 10cm (61-223-0)
90db @ 10cm (61-224-0)
Freq.: 2.3KHz

61-223-0 4-8 VDC
61-224-0 8-16 VDC

Use -1 for Display package



Panel mount buzzer with 100mm leads.

Current: 30mA (61-231-0)
40mA (61-232-0 & 61-233-0)
Output: 85db @ 30cm (61-231-0)
88db @ 30cm (61-232-0)
90db @ 30cm (61-233-0)
Freq.: 400 Hz

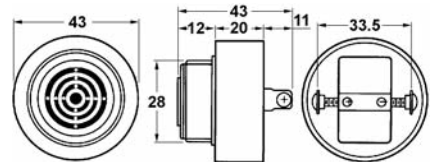
61-231-0 4-8 VDC
61-232-0 8-16 VDC
61-233-0 20-28 VDC

Use -1 for Display Package



Panel mount audio alarms.

Input voltage: 6-28 VDC
Current: 15mA
Output: 80db @ 100cm
Freq.: 2.9KHz



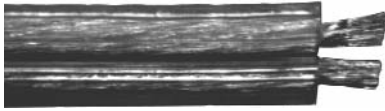
61-301-0 Continuous tone
61-302-0 Pulsed tone

Use -1 for Display Package

The buzzers shown in this catalog are our most popular types. If you require a different style, please contact us or your local Mode distributor for price and availability.

BULK SPEAKER CABLE

12 AWG oxygen free 'super' audio cable. Available in 500' full spools only.



01-0214-500

500' spool

18 AWG speaker wire. Clear jacket.



01-0244-500

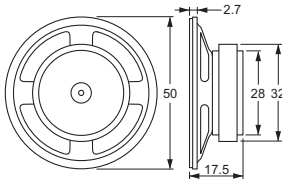
500' spool

ROUND MINIATURE SPEAKERS



Frequency range:
Nominal impedance:
Power:
Size:
Alnico magnets.

300Hz - 4KHz.
8Ω
500mW
50mm (2")



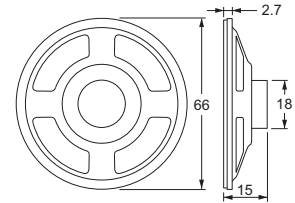
61-650-0 Bulk

61-650-1 Pkg.



Frequency range:
Nominal impedance:
Power:
Size:
Alnico magnets.

300Hz - 3.5KHz.
8Ω
250mW
65mm (2.5")



61-666-0 Bulk

61-666-1 Pkg.

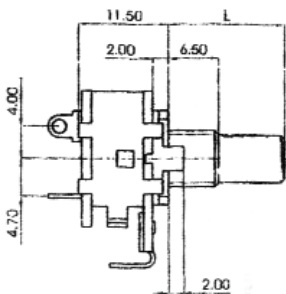
POTENTIOMETERS

1/2 watt pots with 1 amp switch.



Resistance Tolerance: ±20%
0.1W @ 150VAC

- 62-222-0** 1K linear
 - 62-223-0** 5K linear
 - 62-224-0** 10K linear
 - 62-254-0** 10k log
 - 62-227-0** 100K linear
 - 62-229-0** 1M linear
- Use -1 for Display Package*

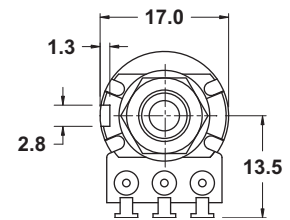
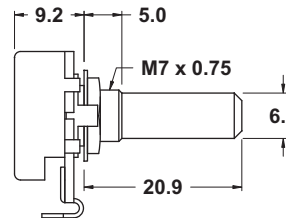
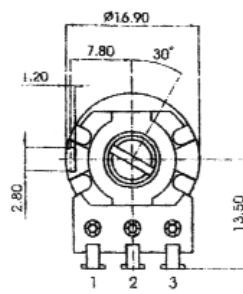


1/2 watt potentiometers



Resistance Tolerance: ±20%
0.1 W @ 150 VAC

- 62-243-0** 5K linear
 - 62-234-0** 10K log (audio)
 - 62-244-0** 10K linear
 - 62-246-0** 50K linear
 - 62-247-0** 100K linear
 - 62-248-0** 500K linear
- Use -1 for Display Package*

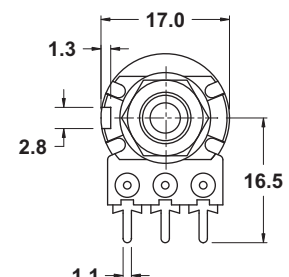
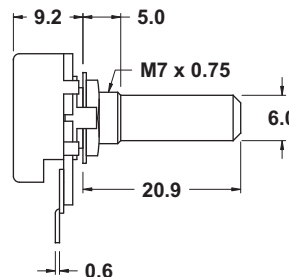


1/2 watt PC mount pots.

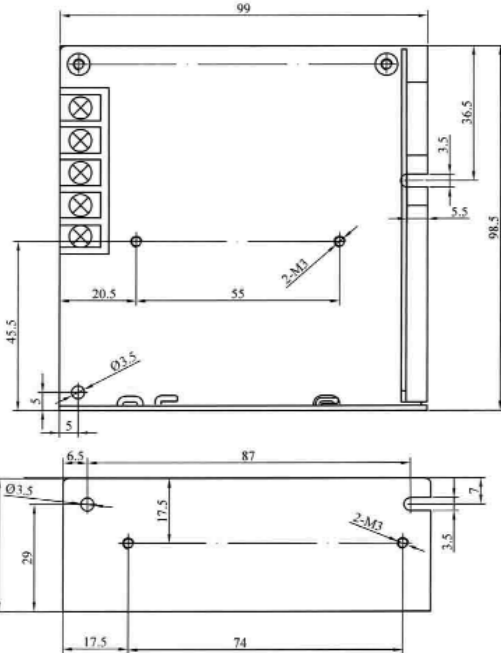


Resistance Tolerance: ±20%
0.1W @ 150VAC

- 62-284-0** 10K linear
- 62-284-1** Display Package



25W SWITCHING POWER SUPPLY - CLOSED FRAME

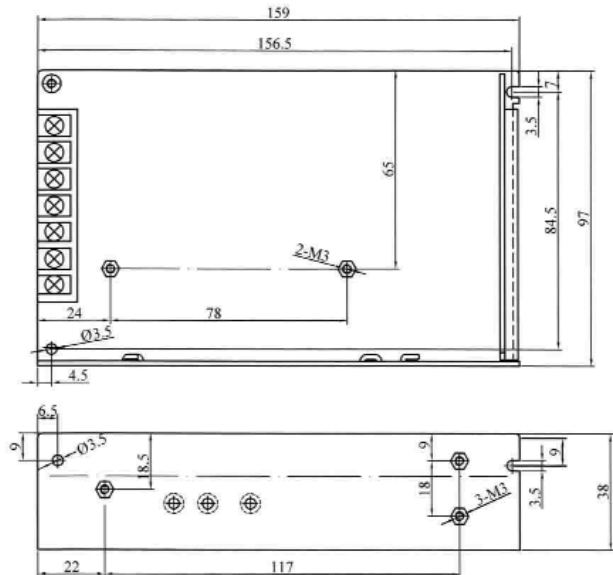


- Universal Input 85 to 264VAC.
- Low Power Consumption.
- Approvals: UL / CUL / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 85~264VAC
 Input Frequency: 47~63Hz
 Output Adjustment Range: ±10% Rated Output Voltage
 Line Regulation: ≤0.5%

Part No.	DC output	Load regul.	Efficiency
67-0525-1	5V, 0~5A	1%	73%
67-1225-1	12V, 0~2.1A	0.5%	77%
67-2425-1	24V, 0~1.1A	0.5%	77%

60W SWITCHING POWER SUPPLY - CLOSED FRAME



- Universal Input 85 to 264VAC.
- Low Power Consumption.
- Approvals: UL / CUL / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 85~264VAC
 Input Frequency: 47~63Hz
 Output Adjustment Range: ±10% Rated Output Voltage
 Line Regulation: ≤0.5%

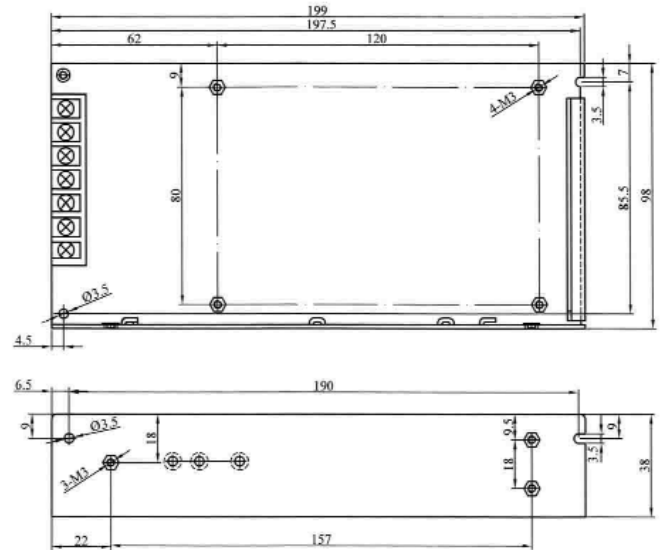
Part No.	DC output	Load regul.	Efficiency
67-0560-1	5V, 0~12A	1%	73%
67-1260-1	12V, 0~5A	1%	77%
67-1560-1	15V, 0~4A	0.5%	78%
67-2460-1	24V, 0~2.5A	0.5%	81%

100W SWITCHING POWER SUPPLY - CLOSED FRAME



- AC Input Range Selectable by Switch.
- Low Power Consumption.
- Approvals: UL / CUL / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 88~132VAC/176~264VAC
 (Selectable by Switch)
 Input Frequency: 47~63Hz
 Output Adjustment Range: $\pm 10\%$ Rated Output Voltage
 Line Regulation: $\leq 0.5\%$



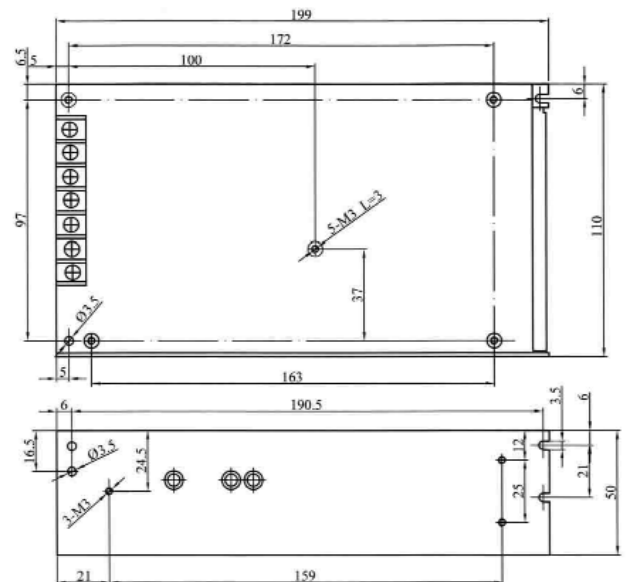
Part No.	DC output	Load regul.	Efficiency
67-0510-1	5V, 0~20A	1%	77%
67-0710-1	7.5V, 0~13.5A	1%	79%
67-1210-1	12V, 0~8.3A	0.5%	81%
67-1510-1	15V, 0~6.8A	0.5%	82%
67-2410-1	24V, 0~4.2A	0.5%	84%

150W SWITCHING POWER SUPPLY - CLOSED FRAME



- AC Input Range Selectable by Switch.
- Low Power Consumption.
- Approvals: UL / CUL / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 85~264VAC; 120~370VDC
 (Selectable by Switch)
 Input Frequency: 47~63Hz
 Output Adjustment Range: $\pm 10\%$ Rated Output Voltage
 Line Regulation: $\leq 0.5\%$



Part No.	DC output	Load regul.	Efficiency
67-0515-1	5V, 0~30A	1%	78%
67-0715-1	7.5V, 0~20A	1%	80%
67-0915-1	9V, 0~16.5A	1%	80%
67-1215-1	12V, 0~12.5A	0.5%	82%
67-4815-1	48V, 0~3.1A	0.5%	87%

NOTE:

These AC Adapters are unregulated (except the 68-122-1, 68-519-1 and all 68-XXXXPS-1). All voltage ratings shown are at rated load. For instance a 12volt /500mA unit has an output of 12volts at 500mA. If the load is less than 500mA the output voltage will be higher. Exceeding the output current will damage the adapter. Approximate output graphs are available at the bottom of this page.



CSA/UL wall mount adapters with **2.1mm or 2.5 mm output plug**. Most available in **centre negative** or **centre positive**.



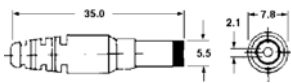
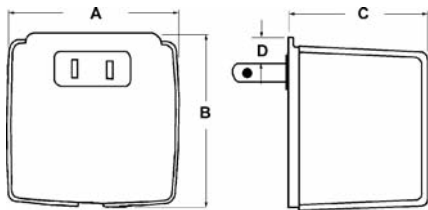
68-125-1



68-121-1

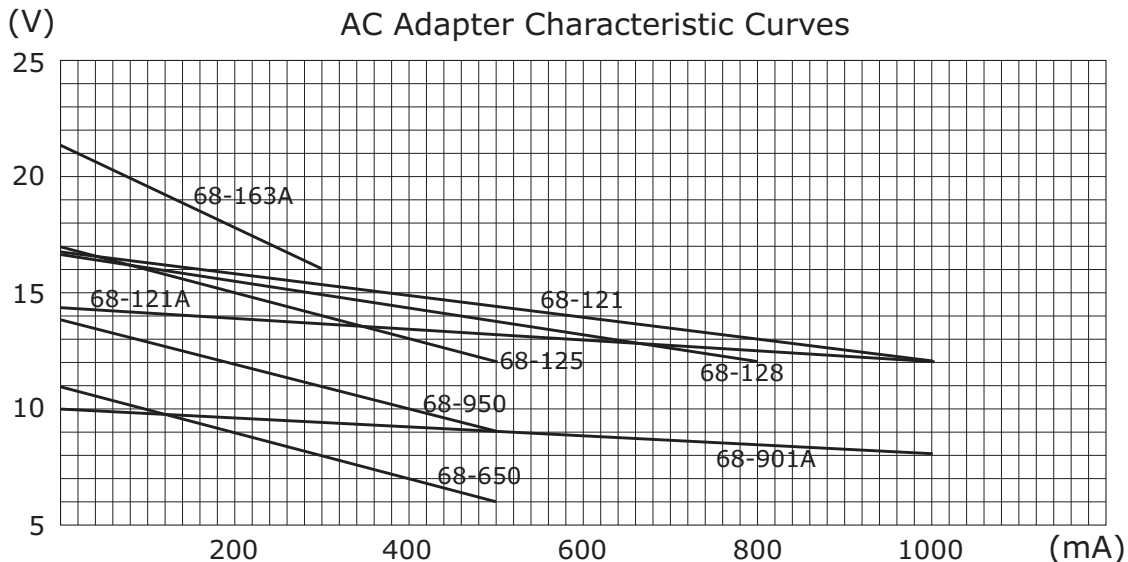
68-650-1	6VDC @ 500mA	centre negative
68-650P-1	6VDC @ 500mA	centre positive
68-901A-1	9VAC @ 1 Amp	AC Output
68-950-1	9VDC @ 500mA	centre negative
68-950P-1	9VDC @ 500mA	centre positive
68-121-1	12VDC @ 1A	centre negative
68-121P-1	12VDC @ 1A	centre positive
68-121A-1	12VAC @ 1A	AC Output
68-125-1	12VDC @ 500mA	centre negative
68-125P-1	12VDC @ 500mA	centre positive
68-125P-2.5	12VDC @ 500mA	centre positive
68-128-1	12VDC @ 800mA	centre negative
68-128P-1	12VDC @ 800mA	centre positive
68-128P-2.5	12VDC @ 800mA	centre positive
68-163A-1	16VAC @ 300mA	AC Output
68-242-1	24VDC @ 200mA	centre negative
68-244-1	24VDC @ 350mA	centre negative
68-246-1	24VDC @ 600mA	centre negative

ADAPTER DIMENSIONS

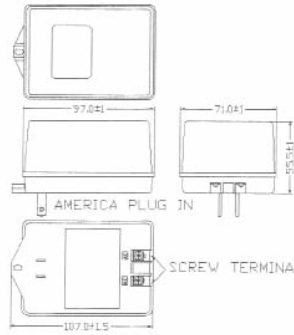


2.1mm plug

Part #	A	B	C	D
68-650	1.775	2.323	1.555	.354
68-901	2.189	3.055	1.772	.420
68-950	1.772	2.520	1.555	.375
68-121	2.504	3.212	2.055	.420
68-125	1.772	2.716	1.555	.375
68-128	2.189	3.252	1.772	.420
68-163	1.772	2.323	1.555	.354
68-242	1.772	2.520	1.555	.375
68-244	2.189	3.055	1.772	.420
68-246	2.504	3.212	2.055	.420



SCREW TERMINAL AC ADAPTERS



Input:		
Voltage:	120V	
Frequency:	60Hz	
Power:	48VA	
Output:		
Voltage:	16.5VAC ± 5%	(68-162AS-1)
	24.5VAC ± 5%	(68-241AS-1)
Current:	2.42A	(68-162AS-1)
	1.67A	(68-241AS-1)
Power:	40VA	
Operating Temp.:	-10°C ~ 40°C	
68-162AS-1	16.5VAC ± 5%	
68-241AS-1	24.5VAC ± 5%	

UNIVERSAL ADAPTERS



These multi-voltage adapters feature polarity reversing switch and universal output plugs to fit any application.

68-514-1	3, 4.5, 6, 7.5, 9, 12VDC @ 500mA
68-518-1	3, 4.5, 6, 7.5, 9, 12VDC @ 800mA

2.1mm-2.5 DC ADAPTER



The 2.1mm to 2.5mm DC Power Plug Adapter is designed to convert your 2.1mm plug to a 2.5mm plug

68-100-0	Bulk
68-100-1	Display Package

2.1mm POLARITY CHANGER



Center positive jack to center negative plug and vice versa (Black color)

68-102-0	Bulk
68-102-1	Display Package

2.1 to 2.5mm POLARITY CHANGER



Center positive 2.1mm jack to center negative 2.5mm plug and vice versa (Gray color)

68-103-0	Bulk
68-103-1	Display Package

5VDC 1Amp USB CHARGER



Small, compact 1Amp USB charger suitable for most cell phones including iPhone, Samsung, etc. also, iPod and other makes of tablets. Will basically charge any device that uses USB port to charge.

68-105-0	Bulk
68-105-1	Display Package

USB CIGARETTE LIGHTER PLUG CHARGER



- Standard USB output can be used as charger for Touch, iPhone4, iPad, MP3, MP4, PSP, GPS etc
- Built-in smart protector makes it safe and reliable
- 2-side spring design to prevent plugs to slide from cigarette lighter
- Low power consumption, low operating temperature and long working life
- LED light shows charging status

68-106-0	Bulk
-----------------	------

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com



COMPACT TRAVEL ADAPTER

This compact travel adapter contains plug adapters for almost all countries including UK, Europe, US/Canada, Australia, etc. and the best part is they are nested in a small, easy to pack box. Also includes a handy guide to show the plug types in each country.

68-110-1 Display Pkg.



UNIVERSAL TRAVEL ADAPTER WITH USB

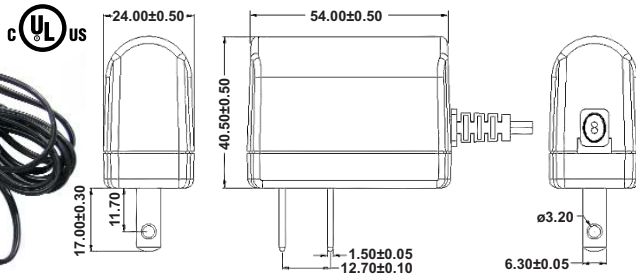
With this adapter you can use power in over 150 countries. Compact design with plug control knob. USB can be used for iPod, iPhone, Blackberry, Motorola, Nokia, Samsung and other powered 5VDC devices.

- AC power rated at 6A
- USB power rated at 500mA
- Can be used with power outlets in USA/Europe/Australia/UK/Japan/PRC
- One universal outlet fits most standard plugs.
- Comes with power indicator
- Plastic housing material: PC-94V0

68-111-1 Display Pkg.

**SWITCHING POWER SUPPLIES
REGULATED OUTPUT**

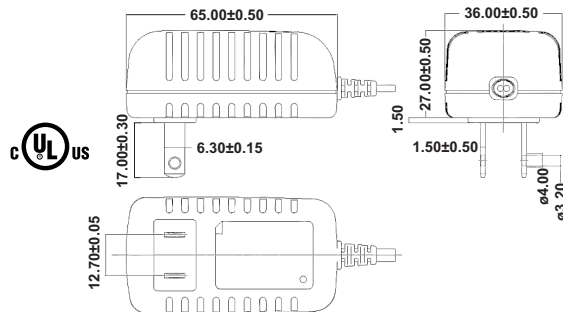
These switching power supplies will accept input voltages of 90-240VAC 50/60Hz and will provide a constant output voltage (within approx. 10%) from no load to full rated current load. All are cULus approved as well as CE and other approvals. The desk top units come complete with power cords.



2.1mm centre positive
Wall Mount

68-6500PS-1
68-9006PS-1

6VDC @ 0.5A
9VDC @ 0.6A



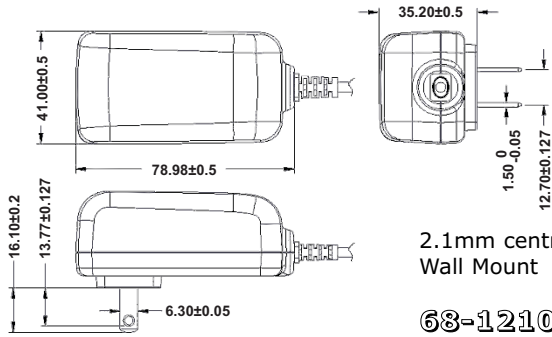
2.1mm centre positive
Wall Mount

68-1206PS-1

12VDC @ 0.6A



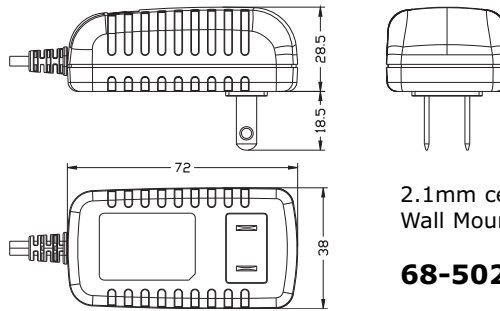
Visit our Web Site at
<http://www.mode-elec.com>



2.1mm centre positive
Wall Mount

68-1210PS-1

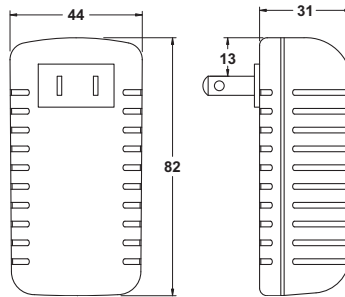
12VDC @ 1A



2.1mm centre positive
Wall Mount

68-5020PS-1

5VDC @ 2A



2.1mm centre negative
Wall Mount

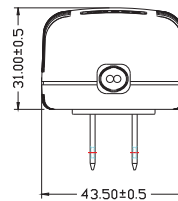
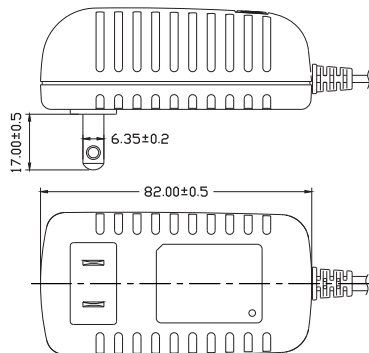
68-122-1

12VDC @ 1.25A

2.1mm centre positive
Wall Mount

68-122P-1

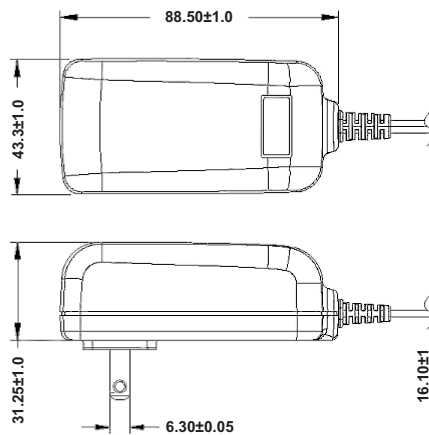
12VDC @ 1.25A



2.1mm centre positive
Wall Mount

68-5030PS-1
68-6020PS-1
68-9015PS-1
68-1216PS-1

5VDC @ 3A
6VDC @ 2A
9VDC @ 1.5A
12VDC @ 1.6A

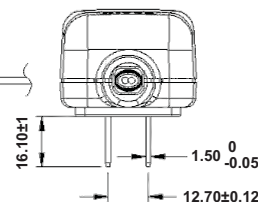


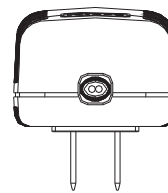
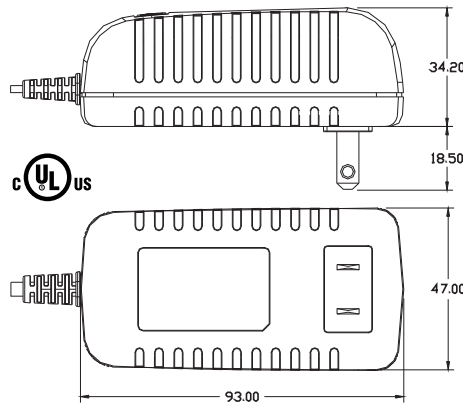
2.1mm centre positive
Wall Mount

68-9022PS-1
68-2408PS-1



9VDC @ 2.2A
24VDC @ 0.8A

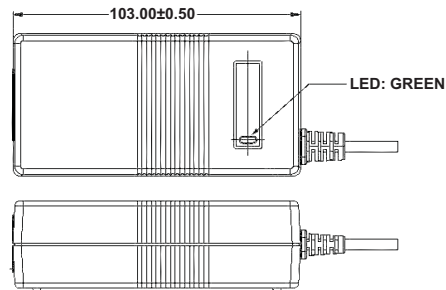
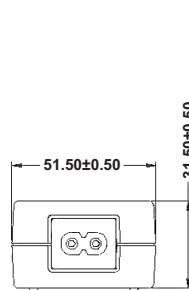




2.1mm centre positive
Wall Mount



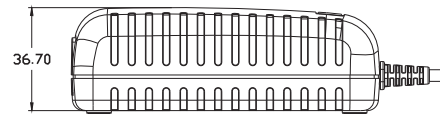
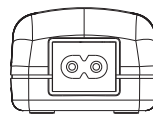
68-6030PS-1 6VDC @ 3.0A
68-1225PS-1 12VDC @ 2.5A



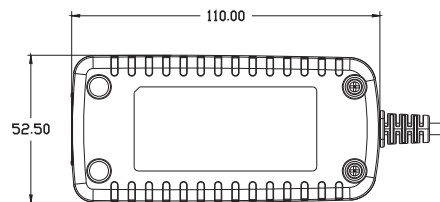
2.1mm centre positive
Desk Top



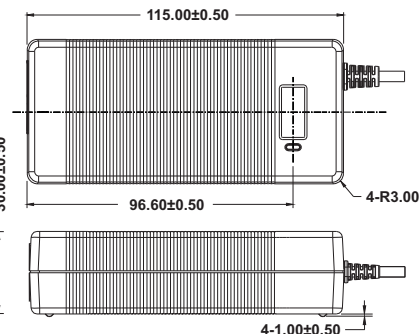
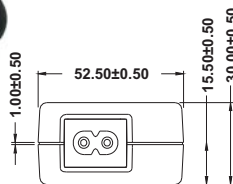
68-5050PS-1 5VDC @ 5A
68-1230PS-1 12VDC @ 3A



2.1mm centre positive
Desk Top



68-2420PS-1 24VDC @ 2A



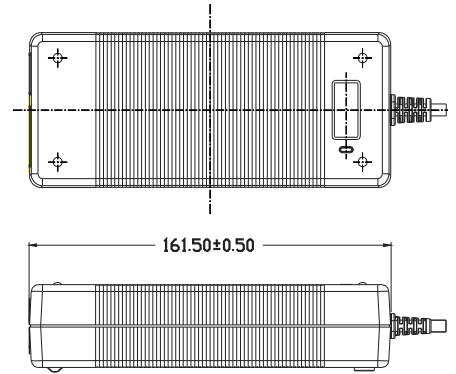
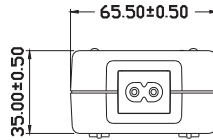
2.1mm centre positive
Desk Top



68-1250PS-1 12VDC @ 5A
68-1533PS-1 15VDC @ 3.3A
68-2427PS-1 24VDC @ 2.7A



2.1mm centre positive
Desk Top



68-1270PS-1 12VDC @ 7A



UNIVERSAL SWITCHING ADAPTER REGULATED OUTPUT

This multi-output switching power supply can be used for the output voltages listed below with loads from 0-1.7Amps. The unit comes with an assortment of changeable plugs suitable for most requirements. The plugs can be easily changed to centre positive or negative. The output voltage is selected by a switch on the back of the adapter.

68-519-1 3, 4.5, 6, 7.5, 9, 12VDC @ 1.7A



UNIVERSAL LAPTOP ADAPTER

This 68-520-1 Universal Laptop Adapter has switchable output voltages of 15, 16, 18.5, 19.5, 20, 22 and 24 VDC with 9 different plugs for various makes of laptops such as Fujitsu, Sony, Samsung, Liteon, NEC, Toshiba, Compaq, IBM, Gateway, Dell, Apple ...

Note: The little plastic strips shown in the picture can be placed over the voltage selector switch to prevent an accidental voltage change.

Input Voltage: 100-240VAC 50-60Hz
Output: 90 watts

68-520-1 15, 16, 18.5, 19.5, 20, 22, 24VDC

A note about regulated switching power supplies: some use a sense return line at the output plug to provide a consistent voltage at the output plug regardless of current draw. Removing the output socket or cutting the cord on these adapters will remove the sense line and cause the output voltage to soar, damaging the circuit and voiding your warranty. Do not modify this adapter.

NOTE: There are many more adapters available on special order. If our standard stock units are not suitable please check for availability and minimum order quantities. We would be pleased to quote on your requirements.

EARPHONES



- 70-216-0** 8Ω 3.5mm plug 3' black cord
- 70-217-0** 8Ω 3.5mm plug 3' beige cord
- 70-218-0** 8Ω 3.5mm plug 6' twisted pink
- 70-220-0** 8Ω 2.5mm plug 3' black cord
- 70-265-0** 20MΩ Crystal 3.5mm 3' beige cord

Use -1 for Display Package



70-706-1

8Ω @ 10 watts 500Hz - 7.8KHz
5" diameter opening, 6" wire leads. All metal with swivel bracket.



70-707-1

8Ω @ 10 watts 500Hz - 7.8KHz
5" diameter opening, 6" wire leads. White ABS plastic.

EXTENSION SPEAKER



70-608-1

8Ω @ 5 watts
113L x 110W x 66D (mm)
2 meter cord with 3.5mm plug
Detachable bracket.

OUTDOOR HORN SPEAKERS



70-703-1

8Ω @ 15 watts
360Hz - 7.5KHz
5" x 8" opening
8" length
12" wire leads
Green ABS horn, metal mounting bracket

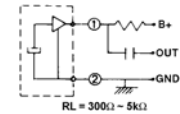
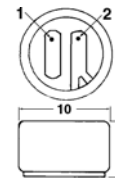
MICROPHONE



72-118-1

Diecast professional uni-directional microphone.
Impedance: 600Ω
Frequency response: 60Hz to 12KHz
Sensitivity: -73db @ 1KHz
Weight: 285 grams
Complete with storage case, 20' cord and bracket.

ELECTRET MICROPHONE



72-160-0

Omni-directional electret cartridge.
Impedance: same as load resistor (RL)
Sensitivity: -69db (Vcc=4.5V RL=1KΩ)
Freq. response: 50Hz - 13KHz
Input voltage: 1.5V to 10V (Typ. 4.5V)
Current: 0.6mA maximum
S/N ratio: over 40db

Use -1 for Display Package

Bulk speaker wire is located on Page 66.

**Visit our Web Site at
<http://www.mode-elec.com>**

INSULATED RING TERMINALS



Wire Range	Stud Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	#4	73-032-0	-100	5.5	17.8	12.8	UL/CUL
	#6	73-033-0	-100	5.5	17.8	12.8	UL/CUL
	#8	73-034-0	-100	6.6	20.1	15.1	UL/CUL
	#10	73-035-0	-100	8.0	21.5	16.5	UL/CUL
	1/4"	73-036-0	-100	11.6	27.0	22.5	UL/CUL
16-14 (Blue)	#6	73-043-0	-100	6.6	18.3	12.8	UL/CUL
	#8	73-044-0	-100	6.6	19.7	13.5	UL/CUL
	#10	73-045-0	-100	8.5	21.5	16.5	UL/CUL
12-10 (Yel)	#8	73-054-0	-50	7.2	23.0	15.2	UL/CUL
	#10	73-055-0	-50	9.5	25.0	19.3	UL/CUL
	1/4"	73-056-0	-50	12.0	29.5	25.3	UL/CUL

INSULATED SPADE TERMINALS



Wire Range	Stud Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	#4	73-132-0	-100	5.7	21.2	16.2	UL/CUL/CSA
	#6	73-133-0	-100	6.4	21.2	16.2	UL/CUL/CSA
	#8	73-134-0	-100	6.4	21.2	16.2	UL/CUL/CSA
	#10	73-135-0	-100	8.1	21.2	16.2	UL/CUL/CSA
16-14 (Blue)	#6	73-143-0	-100	5.7	21.2	16.2	UL/CUL/CSA
	#8	73-144-0	-100	6.4	21.2	16.2	UL/CUL/CSA
	#10	73-145-0	-100	7.9	21.2	16.2	UL/CUL/CSA
	1/4"	73-146-0	-100	9.3	21.2	16.2	UL/CUL/CSA
12-10 (Yel)	#8	73-154-0	-50	8.3	25.5	19.0	UL/CUL/CSA
	#10	73-155-0	-50	9.0	25.5	17.7	UL/CUL/CSA
	1/4"	73-156-0	-50	12.0	29.5	21.0	UL/CSA

INSULATED FLANGED SPADE TERMINALS



Wire Range	Stud Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	#6	73-233-0	-100	7.5	19.0	14.0	UL/CUL
	#8	73-234-0	-100	7.5	19.0	14.0	UL/CUL
	#10	73-235-0	-100	7.5	19.0	14.0	UL/CUL
16-14 (Blue)	#6	73-243-0	-100	7.5	19.5	14.5	UL/CUL
	#8	73-244-0	-100	7.5	19.5	14.5	UL/CUL
12-10 (Yel)	#10	73-255-0	-50	8.5	25.2	19.0	UL/CUL

INSULATED FEMALE QUICK CONNECTS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.110"	73-331-0	-100	3.8	19.5	15.0	UL/CUL/CSA
	.187"	73-333-0	-100	5.6	19.0	14.0	UL/CUL/CSA
	.250"	73-336-0	-100	7.4	21.0	14.0	UL/CUL/CSA
16-14 (Blue)	.110"	73-341-0	-100	3.8	19.0	14.0	UL/CUL/CSA
	.187"	73-343-0	-100	5.6	19.0	14.0	UL/CUL/CSA
	.250"	73-346-0	-100	7.4	21.0	16.0	UL/CUL/CSA
12-10 (Yel)	.250"	73-356-0	-50	7.4	21.0	16.0	UL/CUL/CSA

INSULATED MALE QUICK CONNECTS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.110"	73-431-0	-100	2.80	20.0	15.5	
	.187"	73-433-0	-100	4.80	20.0	15.0	UL/CUL
	.250"	73-436-0	-100	6.35	21.0	16.0	UL/CUL/CSA
16-14 (Blue)	.110"	73-441-0	-100	2.80	20.0	15.5	
	.187"	73-443-0	-100	4.80	20.0	15.0	UL/CUL
	.250"	73-446-0	-100	6.35	21.0	16.0	UL/CUL/CSA
12-10 (Yel)	.250"	73-456-0	-50	6.35	25.0	18.0	UL/CUL/CSA

FULLY INSULATED FEMALE QUICK CONNECTS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.187"	73-334-0	-50	5.6	20.0	15.0	UL/CUL/CSA
	.250"	73-337-0	-50	7.4	21.5	16.5	UL/CUL/CSA
16-14 (Blue)	.187"	73-344-0	-50	5.6	20.0	15.0	UL/CUL/CSA
	.250"	73-347-0	-50	7.4	21.5	16.5	UL/CUL/CSA
12-10 (Yel)	.250"	73-357-0	-50	7.4	25.5	20.5	UL/CUL/CSA

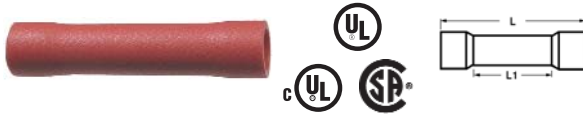
PIGGYBACK QUICK CONNECTS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.250"	73-338-0	-50	7.4	21.5	16.5	UL/CUL/CSA
16-14 (Blue)	.250"	73-348-0	-50	7.4	21.5	16.5	UL/CUL/CSA

Wire terminals continued on next page...

BUTT CONNECTORS



Wire Range	Bulk Number	Pkg.	Dimensions		Cert.
			L	L1	
22-16 (Red)	73-730-0	-100	24.6	15.0	UL/CUL/CSA
16-14 (Blue)	73-740-0	-50	24.6	15.0	UL/CUL/CSA
12-10 (Yel)	73-750-0	-50	26.5	15.0	UL/CUL/CSA

MALE BULLET CONNECTORS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions		
				Bo	L	L1
22-16 (Red)	.157"	73-632-0	-100	4.0	21.6	16.3
16-14 (Blue)	.157"	73-642-0	-100	4.0	21.6	16.3
	.197"	73-644-0	-100	5.0	21.2	16.2
12-10 (Yel)	.197"	73-654-0	-100	5.0	23.8	17.0

FEMALE BULLET CONNECTORS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions		
				Bo	L	L1
22-16 (Red)	.154"	73-631-0	-100	3.9	24.0	16.5
16-14 (Blue)	.154"	73-641-0	-100	3.9	24.0	16.5
	.193"	73-643-0	-100	4.9	24.0	16.5
12-10 (Yel)	.193"	73-653-0	-100	4.9	24.0	16.5

CLOSED END CONNECTORS



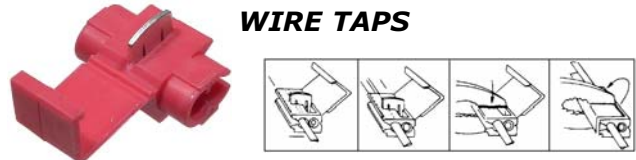
Wire Range	Bulk Number	Pkg.	Dimensions				Cert.
			d	D	L	L1	
22-18 (Clear)	73-830-0	-50	2.3	6.5	15.2	7.0	UL/CSA
16-14 (Clear)	73-840-0	-50	3.0	6.8	15.2	7.0	UL/CSA
12-10 (Clear)	73-850-0	-50	4.0	9.5	16.6	9.0	UL/CSA

TWIST-ON WIRE NUTS



Bulk Number	Pkg.	Color	Min. Wire	Max. Wire	Cert.
73-961-0	-50	Grey	#22x3	#16x2	UL/CSA
73-962-0	-50	Blue	#18x1+#22x2	#14x1+#16x1	UL/CSA
73-963-0	-50	Orange	#20x3	#14x2+#16x1	UL/CSA
73-964-0	-50	Yellow	#18x1+#22x1	#14x2+#16x2	UL/CSA
73-965-0	-50	Red	#18x3	#10x3	UL/CSA

WIRE TAPS



Wire Range	Bulk Number	Pkg.	Color
22-18	73-760-0	-25	Red
18-14	73-770-0	-25	Blue
12-10	73-780-0	-25	Yellow

TERMINAL ASSORTMENTS



73-002-1

180 Piece Terminal Assortment in a sturdy reusable plastic box. Contains all the most popular ring, spade, butt and quick connect terminals.



73-006-1

Butt connector assortment. Contains 24 each of 3 wire sizes (22-16 AWG, 16-14 AWG, 12-10 AWG). Sturdy reusable plastic box.



73-008-1

Closed end connector assortment. Contains 24 each of 3 wire sizes (22-18 AWG, 22-14 AWG, 22-10 AWG). Sturdy reusable plastic box.



73-009-1

Wire nut assortment. Contains 24 each Gray, Blue and Orange, 15 each Yellow and Red. Sturdy reusable plastic box.

All wire terminals are available in low cost but attractive re-usable econo-packs. These packages contain smaller quantities of each terminal. Order part number with **EP** at end. For example **73-653EP**.

ECONO-PACKS



WIRE FERRULES



Bulk #	Pkg	Size	Color
73-510-0	-100	26AWG	Violet
73-512-0	-100	24AWG	Pink
73-514-0	-100	22AWG	White
73-516-0	-100	20AWG	Blue
73-518-0	-100	18AWG	Red
73-520-0	-100	16AWG	Black
73-522-0	-100	14AWG	Grey
73-524-0	-100	12AWG	Orange
73-526-0	-100	10AWG	Green

Wire Ferrules are used to provide a reliable wire contact for terminal block connections. They are crimped onto the wires using our 84-194-1 crimp tool.

WIRE CLAMPS

Typically, the process of connecting two wires requires you to strip the wire's cover, connect the wires, and taping. But with these wire clamps the process has been simplified and easy for anyone to use. These wire clamps are waterproof and dustproof. Also there is absolutely no risk of electric shock when these clamps are used.

Rated Voltage: 600V



SINGLE WIRE CLAMPS
T-WIRE CLAMPS
2X2 WIRE CLAMPS



Bulk #	Pkg	Wire Range [AWG / mm ²]	Waterproof	Max. Current	Contacts
73-860-0	-10	25-20 / 0.10-0.5	IP 33	3 Amps	4
73-861-0	-10	19-17 / 0.75-1.0		10 Amps	4
73-862-0	-10	16-14 / 1.25-2.0		15 Amps	6
73-863-0	-5	13-12 / 2.25-3.0		20 Amps	6
73-864-0	-5	11-10 / 3.25-5.0		30 Amps	6
73-870-0	-10	25-20 / 0.20-0.5		3 Amps	4
73-871-0	-5	19-17 / 0.75-1.0		10 Amps	4
73-872-0	-5	16-14 / 1.25-2.0		15 Amps	6
73-873-0	-5	13-12 / 2.25-3.0		20 Amps	6
73-874-0	-5	11-10 / 3.25-5.0		30 Amps	6
73-880-0	-5	25-20 / 0.20-0.5		3 Amps	4
73-881-0	-5	19-17 / 0.75-1.0		10 Amps	4



81-011-1

ANALOG MULTIMETER

- *Audible continuity checker
- *db output
- *Battery check: 1.5V, 9V
- *Fuse protected
- *c/w Test leads & battery

D.C. Volts: 2.5, 10, 50, 250, 500V (3%)
A.C. Volts: 10, 50, 250, 500V (5%)
D.C. Current: 5, 50, 500mA, 5A (3%)
Resistance: x1Ω, x10Ω, x1KΩ
Size: 78 x 145 x 38mm (330g)



81-040-1

DIGITAL THERMOMETER

- *3 1/2 Digits
- *-50 to 750 Degrees C
- *.75% Accuracy
- *'K' Thermocouple
- *c/w Battery

Size: 72 x 125.5 x 27mm

81-041-0

K TYPE THERMOCOUPLE

Replacement thermocouple for 81-040-1



81-020-1

POCKET DIGITAL MULTIMETER

- *3 1/2 Digits
- *Diode test
- *Transistor test
- *Protective holster
- *c/w Test leads & battery

D.C. Volts: 200mV, 2, 20, 200, 600V (.5%)
A.C. Volts: 200, 600V (1.2%)
D.C. Current: 200μA, 2mA, 20mA, 200mA, 10A (1%)
Resistance: 200, 2K, 20K, 200K, 2MΩ (.8%)
Size: 70 x 126 x 24mm

NETWORK CABLE TESTER



81-100-1 Pkg.

RJ11/RJ45 Cable tester. Master and Removable remote (batteries not included)



81-026-1

DIGITAL MULTIMETER

- *3 1/2 Digits
- *Data Hold
- *Audible continuity test
- *Frequency
- *Capacitance
- *Temperature
- *Transistor test
- *Diode test
- *c/w Test leads & battery

D.C. Volts: 200mV, 2, 20, 200, 1000V (.8%)
A.C. Volts: 200mV, 2, 20, 200, 750V (1.2%)
D.C. Current: 200μA, 2mA, 20mA, 200mA, 10A (1%)
A.C. Current: 200μA, 2mA, 20mA, 200mA, 10A (1.5%)
Resistance: 200, 2K, 20K, 200K, 2M, 20MΩ (1%)
Capacitance: 2n, 20nF, 200nF, 2μF, 20μF (3%)
Frequency: 2K, 20K, 200K, 2M, 20MHz (.5%)
Temperature: 300 C / 572 F (requires thermocouple)
Size: 74 x 153 x 45mm



RECEPTACLE CIRCUIT TESTER



81-110-0 Bulk 81-110-1 Pkg.

Test AC receptacles for voltage and correct wiring with this handy tool.

VOLTAGE DETECTOR



Electronic Voltage Detector with Buzzer.

- *Tests voltage from 100VAC to 600VAC
- *Locates breaks along live, insulated wires and power cords
- *Audible and visual indication
- *Four-section power/sensitivity switch (H,L,M,off)
- *Two LR44, 1.5V batteries included
- *With GS, UL, cUL and RoHS approval

81-112-0 Bulk 81-112-1 Pkg.

NEON VOLTAGE TESTER



A handy pocket voltage tester c/w leads.

- Working voltage range: 90-300V AC/DC
- Frequency: 50/60Hz
- Over voltage category: CAT III 300V
- Working temperature: 5°C to 40°C up to 2000m indoor
- Altitude: up to 2000m
- Recommended use: indoor

81-114-0 Bulk 81-114-1 Pkg.



For over 40 years EDSYN has been manufacturing high quality precision soldering and desoldering tools and associated equipment. Don't compromise on quality and features, always specify EDSYN.

Desoldering



13" Long

DS017 Bulk
DS017-P Display Pkg.

The 'Original' Deluxe desoldering tool. Designed for heavy duty, high volume applications. Retractable shaft guide for easy storage. Use replacement tip **SRT12** and **ODS31** 'O' ring.



13" Long

DS017LS Bulk

Low static Deluxe desoldering tool. Designed for heavy duty, high volume applications. Retractable shaft guide for easy storage. Use replacement tip **LS197** and **ODS31** 'O' ring.



13" Long

AS196 Bulk
AS196-P Display Pkg.

Static Safe Deluxe desoldering tool. Designed for heavy duty, high volume applications. Retractable shaft guide for easy storage. Use replacement tip **LS197** and **ODS31** 'O' ring.



8.5" Long

SS350 Bulk
SS350-P Display Pkg.

Static-Safe Standard Metric SOLDAPULLT Challenger. Our only tool with a metal barrel. Use **LS363** Tip and **OS130** O-ring.



8" Long

US140 Bulk
US140-P Display Pkg.

Single handed desoldering tool. Powerful vacuum in a smaller, easier to handle tool. Use replacement tip **SRT12** and **ODS31** 'O' ring.



LT-1 Lead free tip tinning compound (.5 oz.)



CT-1 Lead free tip tinning compound (1.5 oz.)

Care and feeding of your desoldering tool:

Make sure the tip is always clear - remove any solder build up. Always lubricate the 'O' rings with **OL111** lubricant. Avoid burning the tip with your soldering iron.



951SX Temperature Controlled Soldering Station

High Reliability and temperature accuracy make the 951SX our most popular soldering station. This unit features accurate linear temperature control, modular assembly for easy maintenance and external calibration. A very wide variety of soldering and SMT tips are available to service any requirement. C/W LT375 Tip, SH230 Sponge Holder, RS199 Sponge and Wigapry solder aid.

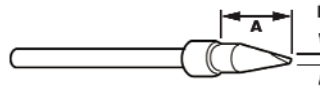
Specifications:

Power Requirements:	120V 60Hz
Power Rating:	15W - 220W
Heater Rating:	120V 95W
Temperature Range:	400°F - 800°F (205 - 427°C)
Temperature Regulation:	+/- 6°F (+/-3°C)
Tip to ground Leakage:	<2mV
Size:	4.1" W x 8.2" H x 10" D

Maintenance Tips for your Soldering Station:

- * Always use genuine Edsyn soldering tips.
- * To prevent tip from seizing, remove tip and clean regularly.
- * Keep tips well tinned for better performance.
- * Keep temperature as low as possible.
- * Replace sponge regularly to prevent contamination.

Loner General Purpose and Lead-Free Soldering Tips (for 951SX Soldering station)



Spade Tips

Standard	Lead-Free		A	B
LT375	LT375LF		.48" (12.2mm)	.06" (1.5mm)
LT376	LT376LF		.48" (12.2mm)	.12" (3.0mm)
LT395			.74" (18.8mm)	.09" (2.3mm)
LT444			.78" (19.8mm)	.04" (1.0mm)

Conical Tips

LT374	LT374LF		.48" (12.2mm)	.03" (0.8mm)
LT382			.62" (15.8mm)	.02" (0.5mm)

Use - P for Display Packaging (Standard Soldering Tips only)

Mode electronics carries an extensive stock of consumables and replacement parts for Edsyn products - some of these items are listed below:

RS199 Cleaning Sponge (for all soldering stations)
RS372 Retaining Sleeve (for 951SX)
SR060 Heater Assembly (for 951SX)
SH230 Cleaning Sponge Assy (for 951SX)
SRT12 Tip for DS017 & US140 Soldapullt
LS197 Tip for AS196
ODS31 'O' ring for DS017 series & AS196
OL111 'O' ring lubricant



VACUUM PICK-UP TOOL

The LP200 is a handy full-size vacuum pick-up tool. 130mm long c/w 3mm, 5mm and 10mm tips.

LP200



FXF11

FXF11 BENCH TOP FUME EXTRACTOR FANS

Bench top systems provide an inexpensive means of removing a good percentage of soldering fumes from a localized space. These units feature a rotating primary filter and charcoal impregnated stationary filter. These systems do not remove all particulate matter.

- XF01** Filter set (one XF02 & one XF03)
- XF02** Primary Rotating Filter (set of 5)
- XF03** Charcoal Impregnated Filter (set of 5)

DUAL HEAT SOLDERING IRON STATION

90 DAY WARRANTY



- Coil spring iron holder for extra safety
- Sponge-pad tip cleaner
- Switchable 20/40 watt iron with ON/OFF switch and light
- Space saving design

84-090-1 Pkg.

REPLACEMENT TIP FOR 84-090-1



Replacement tip for 84-090-1 soldering iron station.

84-091-0 Bulk

60 WATT DIGITAL SOLDER STATION



Specs:

- Temperature range 150°C ~ 450°C (302°F ~ 842°F)
- Output: 60 Watt

Features:

- Suitable for lead free solder.
- Pre-calibrated for temperature accuracy.
- Three programmable pre-set temperatures.
- Static protection socket for work with static sensitive components

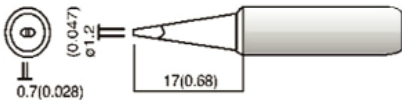
84-0921-1 Pkg.

REPLACEMENT HEATER FOR 84-0921-1

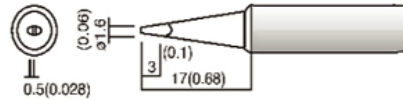
84-0929-0 Bulk

84-0929-1 Pkg.

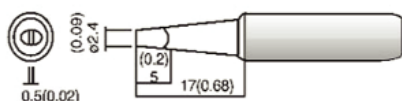
REPLACEMENT TIPS FOR 84-0921-1



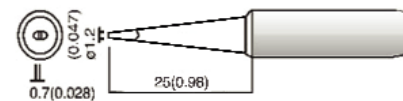
84-0922-0 Bulk
84-0922-1 Pkg.



84-0923-0 Bulk
84-0923-1 Pkg.



84-0924-0 Bulk
84-0924-1 Pkg.



84-0925-0 Bulk
84-0925-1 Pkg.

90 WATT DIGITAL SOLDER STATION



Specs:

- Temperature range 100°C ~ 500°C (212°F ~ 932°F)
- Output: 90 Watt

Features:

- Intelligent chip microcomputer control
- Easy temperature adjustments
- ESD wrist strap connection
- Brass shaving tip cleaner

84-0931-1 Pkg.

REPLACEMENT HEATER FOR 84-0931-1

84-0938-0 Bulk



1.2 MM REPLACEMENT TIP FOR 84-0931-1

84-0932-0 Bulk



1.6 MM REPLACEMENT TIP FOR 84-0931-1

84-0933-0 Bulk

45 WATT DIGITAL SOLDER STATION



Specs:

- Temperature range 150°C ~ 480°C (302°F ~ 869°F)
- Output: 45 Watt

Features:

- ESD safe
- Brass shaving tip cleaner
- Easy temperature adjustments
- Heater/sensor failure detection
- Fast heat up & recovery

84-0941-1 Pkg.



REPLACEMENT TIP FOR 84-0941-1

84-0942-0 Bulk

84-0943-0 Bulk

REPLACEMENT HEATER FOR 84-0941-1

FUME EXTRACTOR



Specs:

- Max. air vol.: 95/115 CFM
- Input voltage: 120VAC
- Wattage: 20 - 22W
- Dim.: 162 x 200 x 120 mm
- Weight: 1600 grams

Features:

- Replaceable activated carbon filter (3 filters included)
- Effectively absorbs noxious flux and fumes
- Built in high efficiency, low noise, brushless mini fan

84-0981-1 Pkg.

REPLACEMENT ACTIVATED CARBON FILTER FOR 84-0981-1



Specs:

- Dim.: 130 x 130 x 10 mm
- Weight: 12 grams

Features:

- Made by joining specific foam with refined activated carbon)
- The dust collection efficiency of the filter is 30% while the carbon filter can absorb up to 30% of its carbon weight in noxious components
- Set of 3 filters

84-0982-0 Bulk

BUTANE SOLDERING IRON KIT



- Butane Soldering Iron with ignitor & flow control
- Comes with a deflector suitable for heat shrink tubing, a flat blade type tip, a regular solder tip and a length of lead free solder
- Uses a platinum catalyst
- Protective plastic case
- (Butane not included)

84-097-1 Pkg.

REPLACEMENT SLEEVE FOR 84-097-1



Replacement sleeve for 84-097-1 butane soldering iron.

84-097S-0 Bulk

REPLACEMENT TIP FOR 84-097-1



Replacement tip for 84-097-1 butane soldering iron.

84-097T-0 Bulk

CORDLESS SOLDERING IRON



This rechargeable soldering iron comes complete with an easy touch trigger, built in work light and an AC adapter for charging Ni-Cd battery. It heats up in 15 seconds or less and is capable of up to 20 minutes of continuous use. Ideal for on site repairs.

84-098-1 Pkg.

REPLACEMENT TIP FOR 84-098-1



84-099-0 Bulk

SOLDERING IRON



30 watt cULus approved soldering iron with a 2 wire AC cord. Stainless steel barrel and nickel plated replaceable tips. Black heat resistant high impact handle.

84-101-0 Bulk

84-101-1 Pkg.

REPLACEMENT TIP FOR 84-101-0



4 mm replacement tip for 84-101-0 soldering iron.

84-102-0 Bulk

SOLDERING IRON STAND



Soldering iron stand for 84-101-0 soldering iron

84-103-1 Bulk

TIP CLEANER AND STAND



Made of low abrasive brass shavings with no water required. No temperature drop as with conventional sponges. Stainless steel holder and rubber foot pad.

84-105-0 Bulk

84-105-1 Pkg.

REPLACEMENT BRASS SHAVINGS



Replacement brass shavings for 84-105-0 tip cleaner

84-106-0 Bulk

84-106-1 Pkg.

DESOLDERING TOOL



Suction type desoldering tool has aluminum barrel, enclosed plunger, teflon tip and is self cleaning.

84-110-1 Pkg.

REPLACEMENT TIP FOR 84-110-1



84-111-0 Bulk

PRECISION DESOLDERING PUMP



High Vacuum, heavy duty desoldering pump has fully enclosed shaft (for safety) and teflon tip.

84-112-1 Pkg.

REPLACEMENT TIP FOR 84-112-1



84-113-0 Bulk

ANTI-STATIC DESOLDERING PUMP



This desoldering pump is anti-static and has precision metal plunger.

84-114-1 Pkg.

REPLACEMENT TIP FOR 84-114-1



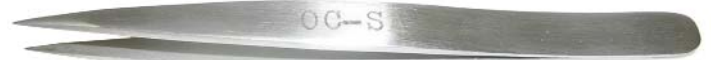
84-115-0 Bulk

Tweezers

Stainless steel, non-magnetic fine tip - 130mm [5 1/8"] Long.
84-125-0 Bulk **84-125-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 90mm [3 1/2"] Long
84-126-0 Bulk **84-126-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long
84-127-0 Bulk **84-127-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long
84-128-0 Bulk **84-128-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long
84-129-0 Bulk **84-129-1** Display Pkg.



Stainless steel, non-magnetic tip - 120mm [4 3/4"] Long
84-130-0 Bulk **84-130-1** Display Pkg.



Stainless steel, non-magnetic fine tip - Smooth inside points.
125mm [4 7/8"] Long. Made in Japan
84-131-0 Bulk **84-131-1** Display Pkg.



Stainless steel, non-magnetic tip - 115mm [4 1/2"] Long
84-132-0 Bulk **84-132-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 120mm [4 3/4"] Long
84-134-0 Bulk **84-134-1** Display Pkg.



Tweezers continued on next page

Stainless steel, non-magnetic serrated tip - 120mm [4 3/4"] Long
84-134B-0 Bulk **84-134B-1** Display Pkg.



Stainless steel, non-magnetic wafer tip - 120mm [4 3/4"] Long
84-135-0 Bulk **84-135-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 130mm [5 1/8"] Long.
84-137-0 Bulk **84-137-1** Display Pkg.



Stainless steel, serrated bent round tip - 160mm [6 1/4"] Long.
84-139-0 Bulk **84-139-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 120mm [4 3/4"] Long
84-142-0 Bulk **84-142-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long
84-143-0 Bulk **84-143-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 108mm [4 1/4"] Long
84-144-0 Bulk **84-144-1** Display Pkg.



Tweezers Sets

Two piece tweezers set - 1 straight and 1 curved serrated tip stainless steel tweezers.

84-124-0 Bulk **84-124-1** Display Pkg.



Four piece tweezers set - 1 straight, 1 angled, 1 wafer and 1 self-locking. Stainless Steel.

84-389-0 Bulk **84-389-1** Display Pkg.



SEIZERS



125mm stainless steel curved tip clamping forceps.

84-145-0 Bulk

84-145-1 Pkg.



160mm stainless steel curved tip clamping forceps with serrated jaws and insulated handles.

84-147-0 Bulk

84-147-1 Pkg.



160mm stainless steel straight tip clamping forceps with serrated jaws and insulated handles.

84-148-0 Bulk

84-148-1 Pkg.

MAGNIFIERS

CLASSIC MAGNIFYING GLASSES



84-149-0 Bulk

84-149-1 Pkg.

Lens dia.: 50 mm Magnification: 4.5X Lens: Glass

84-1491-0 Bulk

84-1491-1 Pkg.

Lens dia.: 90 mm Magnification: 2.5X Lens: Glass

ILLUMINATED MAGNIFIERS



Illuminated magnifier with comfort lighting.

Lens dia.: 90 mm

Magnification: 2.5X

Lens: Glass

Battery size: 4 X AA

Cells Bulb: 2.5 Volts

84-1497-0 Bulk

84-1497-1 Pkg.

ILLUMINATED MAGNIFIERS



Illuminated magnifier with comfort lighting.

Battery size: 2 X C Cells

Bulb: 2.5 Volt

Lens dia.: 75 mm

Magnification: 3.5X

Lens: Glass

84-1493-0 Bulk

84-1493-1 Pkg.

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

Magnifiers continued on next page

EYE LOUPE



Lens dia.: 20 mm
Magnification: 7.5X
Lens: Glass

84-1498-0 Bulk

84-1498-1 Pkg.

POCKET MAGNIFIER



Lens dia.: 40 mm
Magnification: 5X
Lens: Glass

84-1500-0 Bulk

84-1500-1 Pkg.

OPTIVISOR



Lens dia.: 2X40 mm
Magnification: 3.5X
Lens: Glass

84-1510-0

ILLUMINATED FLUORESCENT MAGNIFIER

- 5 inch 5 diopter Glass Magnifier with protective cover
- 30" (2 x 15") spring balanced articulated arms with enclosed springs
- Complete with bench clamp
- T4 - 22W energy saving fluorescent bulb (included)
- cELTus safety approved. ELT is an accepted safety approval in Canada and the U.S.
- Attractive printed box



84-1550-1 Pkg.



REPLACEMENT T4 LAMP 84-1551-0 Bulk

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

CRIMP TOOLS

DELUXE MODULAR CRIMP TOOL



Deluxe crimp tool cuts, strips and crimps modular plugs.

12-306-1 6P/4C & 6C

12-308-1 8P/8C

DELUXE MODULAR CRIMP TOOL



12-309-1 Pkg.

- 8P/8C (RJ45) precision crimper.
- Cuts and strips both flat and round modular cable.
- Extremely comfortable cushioned handles.
- Ratchet action with easy release.

MODULAR CRIMP TOOL



This versatile tool will crimp 4, 6 and 8 pin modular plugs. It also has a wire cutter and stripper built-in. Simple to use, extremely durable.

12-310-1 Pkg.

TERMINAL CRIMP TOOL



Multi-purpose tool for stripping and crimping wire terminals. Features cushion grip handles, bolt and wire cutter.

84-150-1 Pkg.



PREMIUM CRIMP/STRIP TOOL



Very high quality multi-purpose stripper (20 - 10 AWG), insulated and non-insulated crimper (22 - 10 AWG), bolt cutter (4 - 40, 6 - 32, 8 - 32, 10 - 32, 10 - 24) and wire cutter. Comfortable cushion grips.

84-151-1 Pkg.

COMPRESSION CRIMP TOOL



- Fully adjustable for RCA/BNC + F connectors.
- Suitable for: 21-009, 21-010, 21-355, 21-356, 24-105 and 24-106 connectors.

84-156-1 Pkg.

ECONOMY WATERPROOF 'F' TOOL



This inexpensive tool is designed for waterproof F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors

84-157-1 Pkg.

WATERPROOF 'F' CONNECTOR TOOL



This tool is designed for the 21-009 and 21-010 F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors.

84-158-1 Pkg.

HEAVY DUTY CRIMP TOOL



This tool is suitable for all hexagonal crimp F59 connectors including integral ring types. Hex crimp size for RG59 (.255") and RG6 (.322"). Comfortable cushion grip handles.

84-159-1 Pkg.

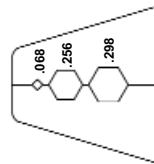
'F' CRIMP TOOL



This economical crimp tool is suitable for separate crimp ring F59 connectors with RG59 and RG62.

84-160-1 Pkg

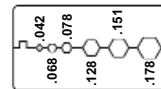
'F' CONNECTOR CRIMP TOOL



Nickel plated parallel action hex crimp tool for 'F' connectors. Suitable for RG59, RG62 and RG6. (Hex sizes .068", .256", .298".)

84-162-1 Pkg.

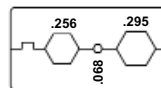
PRECISION HEX CRIMP TOOL



Precision hex coax connector crimp tool suitable for many coax connector applications. Hex die sizes .042", .068", .078", .128", .151" and .178". Suitable for RG174/u, RG179/u, Belden 8218 and Fiber Optic.

84-170-1 Pkg.

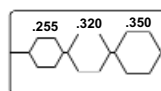
PRECISION HEX CRIMP TOOL



Precision action hex crimp tool. Hex die sizes .068", .256" and .295". Suitable for RG59 and RG6.

84-171-1 Pkg.

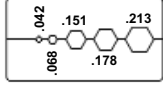
PRECISION HEX 'F' CRIMP TOOL



Precision action hex crimp tool for 'F' connectors. Hex die sizes .255", .320" and .350". Suitable for RG59 and RG6.

84-172-1 Pkg.

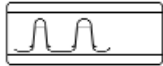
PRECISION HEX CRIMP TOOL



Precision action hex crimp tool for fiber optic, SMA and SMB connectors. Hex die sizes .042", .068", .151", .178" and .213". Suitable for RG58, RG174, Belden 8281 and Fiber Optic.

84-173-1 Pkg.

PRECISION D-SUB CRIMP TOOL



Precision action D-sub connector crimp tool. Suitable for AWG 14-22 wires. It can also be used for the 37-930-0, 37-940-0 and 37-970-0 wire contacts.

84-174-1 Pkg.

RF CONNECTOR CRIMP TOOL



Precision crimp tool for RF connectors. This tool features ratchet tension for reliable crimps. It has 5 hexagon crimp dies for most RF crimp rings and centre pins. Sizes of dies are shown below with the appropriate cable.

Size	Cable size
.068"	centre conductor
.100"	centre conductor
.213"	RG55,58,141,142,223,303,400
.255"	RG59,62,140,210,Belden 8279
.324"	RG5,6,21,143,212,222,304 and Belden 8281,9231,9141

84-180-1 Pkg.

RF CRIMP TOOL



Precision crimp tool for RF connectors. This tool has 3 precision hexagon crimp dies suitable for RG58, RG59 and RG62 crimp rings and centre pins.

Size	Cable size
.068"	centre conductor
.213"	RG55,58,141,142,223,303,400
.256"	RG59,62,140,210,Belden 8279

84-181-1 Pkg.

FERRULE CRIMPING TOOL



Wire Ferrules are used to crimp on wire ends that are inserted into any type of terminal block. They provide a durable and reliable connection point.

84-194-1 Pkg.

Wire Sizes: 28 - 10 AWG (0.08 - 6 mm²)

TERMINAL CRIMP TOOL



For insulated wire terminals. This crimp tool features ratchet action for positive crimping. It is suitable for insulated wire terminals for wire sizes 14-22AWG. Flat type crimp.

84-195-1 Pkg.

TERMINAL CRIMP TOOL



For insulated wire terminals. This crimp tool features ratchet action for positive crimping. It is suitable for insulated wire terminals for wire sizes 14-22AWG. Stepped type crimp.

84-198-1 Pkg.

TERMINAL CRIMP TOOL



This crimp tool features ratchet action for positive crimping. It is suitable for most uninsulated wire terminals for wire sizes 14-20AWG. It can also be used for the 37-930-0 and 37-940-0 .093" terminals.

84-199-1 Pkg.

D-SUB CRIMP TOOL



This D-sub crimp tool features ratchet action for positive crimping and has separate cavities for 24-30 and 18-22 AWG wire sizes. Suitable for most D-sub contacts as well as 37-900-0 and 37-910-0 .062" contacts.

84-200-1 Pkg.

D-SUB CRIMP TOOL



Economy D-sub crimp tool suitable for 28-20 AWG wire sizes.

84-201-1 Pkg.

CABLE TIE TOOL



34-900-0 Bulk **34-900-1** Pkg.
Handy cable tie tensioner and cut-off tool. Made of very durable polymer material.

CATEGORY 5 TOOLING



13-180-0 Bulk **13-180-1** Pkg.
Adjustable impact punch tool - using one of the inserts below this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jacks.

13-186-1 Pkg.
Adjustable impact punch tool c/w 13-183-0 insert. Attractive display Package.

STRAIN RELIEF INSTALLATION TOOL



34-901-1 Installation Tool Disp. Pkg.



13-181-0 Bulk **13-181-1** Pkg.
Non-impact punch tool - using one of the inserts below this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jack.

13-187-1 Pkg.
Non-impact punch tool c/w 13-183-0 insert. Attractive display package.

EXTRACTION TOOLS



37-950-1 Pkg.
Extraction tool for .093" terminals. (37-930-0, 940)

37-951-1 Pkg.
Extraction tool for .062" terminals. (37-900-0, 910)

Inserts for 13-180-0 and 13-181-0 punch tools.



13-182-0
For 66 type terminals- reversible punch or punch & cut



13-183-0
For 110 type terminals- reversible punch or punch & cut



13-184-0
For 66/110 type terminals- punch.

Use -1 for Display Package

**D-SUB
INSERTION/EXTRACTION TOOL**



84-202-0 Bulk **84-202-1** Pkg.
Handy tool for inserting and extracting D-sub crimped pins.



13-185-0
Universal stripping tool for round or flat Cat 5 cable.
Use -1 for Display Package

ECONOMY PUNCH-DOWN TOOL



13-189-0
Disposable punch-down tool. Suitable for 5-6mm OD UTP/STP cable.
Use -1 for Display Package

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

Miller wire strippers are recognized as the best quality in the Industry. Don't settle for anything less.



100 Bulk
100-P Display Package

Adjustable wire stripper with stop screw. Strips wire sizes up to 10AWG. Soft plastic coated handles. (Length 130mm)



101-S Bulk
101-S-P Display Package

Same as 100 except with spring return. Strips wire sizes up to 10AWG. Soft plastic coated handles. (Length 130mm)



103-S Bulk
103-S-P Display Package

Spring return, Cam adjust & close lock. Strips wire sizes up to 10AWG. Soft plastic coated handles. (Length 130mm)



721 Bulk
721-P Display Package

Precision wire stripper. Serrated tip & Lock. Strips wire sizes 20-10AWG. Soft plastic coated handles. (Length 159mm)



821 Bulk
821-P Display Package

Precision wire stripper. Serrated tip & Lock. Strips wire sizes 26-16AWG. Soft plastic coated handles. (Length 159mm)



FO103-S Bulk Only

Precision Fiber-Optic Stripper for stripping 250 micron buffer coating from 125 micron optical fiber. All cutting surfaces are precision ground for accuracy. (Length 136mm)



95 Bulk Only

Romex/Loomex cable ripper. The easiest way to remove the jacket from Romex/Loomex cable.

Miller has many more styles of strippers and cable prep tools available for both electronic and electrical applications including a full range of tools for fiber-optic cables. If you don't see the tool you require, please contact us and we'll find the correct tool for you.

COAXIAL CABLE STRIPPER



This easy to use cable stripper is suitable for RG58 and RG59 coaxial cable. Two separate cutting knives can be individually adjusted for depth.

84-182-1 Pkg.

COAXIAL CABLE STRIPPER



This easy to use cable stripper is suitable for RG6 and RG59 coaxial cable. Two separate cutting knives can be individually adjusted for depth.

84-183-1 Pkg.

COAXIAL CABLE STRIPPER



3 blades rotary coaxial stripper for RG6, RG58 and RG59 cables. This stripper has been designed for stripping the above cables without any adjustments. Stripping length is preset to 12 mm. For stripping other lengths the blades can be adjusted.

84-184-1 Pkg.

COAXIAL CABLE STRIPPER



3 blades rotary coax. stripper for RG8, RG11 and RG213 cables. This stripper has been designed for stripping the above cables without any adjustments. Stripping length is preset to 12 mm. For stripping other lengths the blades can be adjusted.

For stripping depth adjustment, hex wrench is available at the bottom of the tool.

84-185-1 Pkg.

AUTOMATIC WIRE STRIPPER



Die-cast single action wire stripper - strips 8-22 AWG solid or stranded wire. Insulated handles.

84-396-0 Bulk

84-396-1 Pkg.

PRECISION WIRE STRIPPERS



Precision ground and polished strippers-Cushion grip handles.

84-397-0 Bulk

84-397-1 Pkg.

Strips 10-22 AWG (Solid), 12-24 AWG (Stranded)

84-398-0 Bulk

84-398-1 Pkg.

Strips 14-24 AWG (Solid), 16-26 AWG (Stranded)

84-399-0 Bulk

84-399-1 Pkg.

Strips 20-30 AWG (Solid), 22-30 AWG (Stranded)

ADJUSTABLE WIRE STRIPPER



Screw type adjustable wire stripper with spring.

84-402-0 Bulk

84-402-1 Pkg.

FIBER OPTIC CABLE STRIPPER



This is an adjustable stripper for fiber optic cables.

84-403-0 Bulk

84-403-1 Pkg.

RIBBON CABLE CUTTER



Precision ground.

84-404-0 Bulk

84-404-1 Pkg.

SELF-ADJUSTING WIRE CUTTER/STRIPPER

Back by popular demand, this Italian designed stripper is on of the best we've ever used. Very easy to use and the patented stripper design will not damage the wires. Suitable range: Single or multiple cables from 0.6mm² to 5.0mm²



84-405-1 Pkg.

STAINLESS STEEL CUTTERS

These stainless steel cutters are the best value around. They are some of the finest quality cutters we have seen. They are premium tools but not at premium prices.

FLUSH CUT CUTTERS (3 1/2")



3 1/2" stainless steel cutters with spring and cushion grip handles. Precision ground cutting surfaces.

84-406-0 Bulk

84-406-1 Pkg.

STANDARD TIP CUTTERS (4 1/2")



4 1/2" stainless steel cutters with standard tip (flush cut). Spring and cushion grip ESD handles.

84-4083-0 Bulk

84-4083-1 Pkg.

BEVEL CUT CUTTERS (4 1/2")



4 1/2" stainless steel cutters with spring and cushion grip handles. Precision ground cutting surfaces.

84-408-0 Bulk

84-408-1 Pkg.

OBLIQUE CUT CUTTERS (5")



5" stainless steel cutters with oblique (angled) flush cut tip. Spring and cushion grip ESD handles.

84-4085-0 Bulk

84-4085-1 Pkg.

HEAVY DUTY CUTTERS (5 1/2")



5 1/2" heavy duty stainless steel cutter. Comfortable cushion grips. Great value.

84-409-0 Bulk

84-409-1 Pkg.

BEVEL CUT CUTTERS (5")



5" Stainless steel cutters with spring and cushion grip handles. Bevel cut.

84-4086-0 Bulk

84-4086-1 Pkg.

FINE TIP CUTTERS (4 3/4")



4 3/4" stainless steel cutters with very fine cutting tip (flush cut). Spring and cushion grip ESD handles.

84-4081-0 Bulk

84-4081-1 Pkg.

STAINLESS STEEL CUTTERS (5 1/4")



5 1/4" Stainless steel cutters with spring and cushion grip handles. Flush cut.

84-4087-0 Bulk

84-4087-1 Pkg.

CARBON STEEL CUTTERS

CARBON STEEL CUTTERS (4 1/4")



4 1/4" hardened carbon tool steel cutters with spring and cushion grip handles.

84-410-0 Bulk

84-410-1 Pkg.

MICRO FLUSH CUTTERS (5")



5" steel cutters with spring and cushion grip handles. Flush cut.

84-4110-0 Bulk

84-4110-1 Pkg.

STAINLESS STEEL PLIERS

These stainless steel pliers are the best value around. They are some of the finest quality pliers we have seen. These are premium tools but not at premium prices.

NEEDLE NOSE PLIERS (4")



4" stainless steel needle nose pliers with spring and cushion grip handles. Precision ground serrated gripping surfaces.

84-416-0 Bulk

84-416-1 Pkg.

ROUND NOSE PLIERS (4 3/4")



4 3/4" round needle nose pliers with spring and cushion grip ESD handles.

84-4160-0 Bulk

84-4160-1 Pkg.

NEEDLE NOSE PLIERS (6")



6" stainless steel needle nose pliers with spring, serrated jaws and non-slip handles.

84-4166-0 Bulk

84-4166-1 Pkg.

STAINLESS STEEL PLIERS (5")



5" stainless steel needle nose pliers with spring and cushion grip handles. Precision ground serrated gripping surfaces. One year warranty.

84-418-0 Bulk

84-418-1 Pkg.

CARBON STEEL PLIERS

These carbon steel pliers are a great value. They are excellent quality and will give many years of reliable service.

CARBON STEEL PLIERS (5 1/4")



5 1/4" hardened steel needle nose pliers with spring & non-slip handles. Smooth jaws & side cutter.

84-4170-0 Bulk

84-4170-1 Pkg.

CARBON STEEL PLIERS (5 1/4")



5 1/4" hardened carbon tool steel needle nose pliers with serrated jaws, spring, cushion grip handles and small gauge wire cutter.

84-420-0 Bulk

84-420-1 Pkg.

CARBON STEEL PLIERS (6 1/2")



6 1/2" hardened carbon tool steel needle nose pliers with serrated jaws, cushion grip handles and small gauge wire cutter.

84-422-0 Bulk

84-422-1 Pkg.

Although our selection of pliers and cutters is quite extensive we have many more styles available. If we don't have the style you're looking for please contact us and we would be pleased to try and find it for you. Minimum quantities may apply.

COMBICUTTER 3



The Combicutter 3 featuring stripper, bender, shear and crimper with the added 3.5mm screw shear. Size: 160mm.

84-500-0 Bulk

84-500-1 Pkg.

SCREWDRIVERS

LINE VOLTAGE TESTER & SCREWDRIVER



Line voltage tester & screwdriver identifies the positive side of an AC receptacle. Signal lamp turns on between 80 to 250V AC. C/W pocket clip.

85-026-0 Bulk

85-026-1 Pkg.

POCKET SCREWDRIVER (SLOT)



160 mm Pocket screwdriver c/w clip - 3 mm slot head.

85-040-0 Bulk

85-040-1 Pkg.

6 PIECE SCREWDRIVER SET



Screwdriver set with plastic handles
 Slot tips: 2.4 mm - Length: 75 mm
 3.0 mm - Length: 100 mm
 3.8 mm - Length: 150 mm
 Phillips: # 0 - Length: 75 mm
 # 1 - Length: 100 mm
 # 2 - Length: 150 mm

85-200-0 Bulk

85-200-1 Pkg.

6 PIECE PRECISION SCREWDRIVER SET



6 Piece precision screwdriver set with 2 Phillips and 4 Slot heads. Nickel plated knurled metal bodies for easy gripping. Swivel heads and steel tempered blades. Complete with a plastic case.
 Phillips tips: #0 & #1
 Slot tips: 1.4mm, 2.0mm, 2.4mm & 3.0mm

85-511-0 Bulk

85-511-1 Pkg.

BITS

SLOT



1 5/16" x 1/4" Slot Power & Screwdriver

85-202-0 Bulk	#1-2 Slot	85-202-1 Pkg.
85-203-0 Bulk	#2-3 Slot	85-203-1 Pkg.
85-205-0 Bulk	#3-4 Slot	85-205-0 Pkg.

SECURITY TEE-STAR



1 15/16" x 1/4" Security Tee-Star Power & Screwdriver

85-206-0 Bulk	T6 Security	85-206-1 Pkg.
85-207-0 Bulk	T7 Security	85-207-1 Pkg.
85-208-0 Bulk	T8 Security	85-208-1 Pkg.
85-209-0 Bulk	T9 Security	85-209-1 Pkg.
85-210-0 Bulk	T10 Security	85-210-1 Pkg.
85-215-0 Bulk	T15 Security	85-215-1 Pkg.
85-220-0 Bulk	T20 Security	85-220-1 Pkg.
85-225-0 Bulk	T25 Security	85-225-1 Pkg.
85-227-0 Bulk	T27 Security	85-227-1 Pkg.
85-230-0 Bulk	T30 Security	85-230-1 Pkg.

STANDARD TEE-STAR



1 15/16" x 1/4" Standard Tee-Star Power & Screwdriver

- 85-233-0** Bulk **85-233-1** Pkg.
T3 Power Tip
- 85-235-0** Bulk **85-235-1** Pkg.
T5 Power Tip
- 85-236-0** Bulk **85-236-1** Pkg.
T6 Power Tip
- 85-237-0** Bulk **85-237-1** Pkg.
T7 Power Tip
- 85-238-0** Bulk **85-238-1** Pkg.
T8 Power Tip

SECURITY HEX KEY



1 15/16" x 1/4" Security Hex-Key Power & Screwdriver

- 85-241-0** Bulk **85-241-1** Pkg.
3/32" Security
- 85-242-0** Bulk **85-242-1** Pkg.
7/64" Security
- 85-243-0** Bulk **85-243-1** Pkg.
1/8" Security
- 85-244-0** Bulk **85-244-1** Pkg.
9/64" Security
- 85-245-0** Bulk **85-245-1** Pkg.
5/32" Security
- 85-246-0** Bulk **85-246-1** Pkg.
3/16" Security
- 85-247-0** Bulk **85-247-1** Pkg.
7/32" Security
- 85-248-0** Bulk **85-248-1** Pkg.
1/4" Security
- 85-249-0** Bulk **85-249-1** Pkg.
5/16" Security

SECURITY SPANNER



1 15/16" x 1/4" Security Spanner Power & Screwdriver

- 85-254-0** Bulk **85-254-1** Pkg.
#4 Spanner
- 85-256-0** Bulk **85-256-1** Pkg.
#6 Spanner
- 85-258-0** Bulk **85-258-1** Pkg.
#8 Spanner
- 85-260-0** Bulk **85-260-1** Pkg.
#10 Spanner
- 85-262-0** Bulk **85-262-1** Pkg.
#12 Spanner

PHILLIPS



1 15/16" x 1/4" Phillips Power & Screwdriver

- 85-270-0** Bulk **85-270-1** Pkg.
#0 Phillips
- 85-271-0** Bulk **85-271-1** Pkg.
#1 Phillips
- 85-272-0** Bulk **85-272-1** Pkg.
#2 Phillips

PHILLIPS POZI-DRIVE



1 15/16" x 1/4" Phillips Pozi-Driver Power & Screwdriver

- 85-280-0** Bulk **85-280-1** Pkg.
#0 Pozi-Driver
- 85-281-0** Bulk **85-281-1** Pkg.
#1 Pozi-Driver
- 85-282-0** Bulk **85-281-2** Pkg.
#2 Pozi-Driver
- 85-283-0** Bulk **85-281-3** Pkg.
#3 Pozi-Driver
- 85-284-0** Bulk **85-281-4** Pkg.
#4 Pozi-Driver

ROBERTSON SQUARE



1 15/16" x 1/4" Robertson Square Power & Screwdriver

- 85-290-0** Bulk **85-290-1** Pkg.
#0 Square
- 85-291-0** Bulk **85-291-1** Pkg.
#1 Square
- 85-292-0** Bulk **85-292-1** Pkg.
#2 Square
- 85-293-0** Bulk **85-293-1** Pkg.
#3 Square
- 85-294-0** Bulk **85-294-1** Pkg.
#4 Square

FLEXIBLE EXTENSION SHAFT



7 1/2" x 1/4" Flexible extension shaft.

- 85-500-0** Bulk **85-500-0** Pkg.

BURNISHING TOOLS & FILES

FIBER GLASS BURNISHING BRUSH



Burnishing brush with metal nose cap and adjustable fiber glass fill.
Length: 120 mm Diameter: 11 mm

86-450-0 Bulk **86-450-1** Pkg.

FIBER GLASS BURNISHING BRUSH



Burnishing brush with plastic nose cap and adjustable fiber glass fill.
Length: 120 mm Diameter: 11 mm

86-452-0 Bulk **86-452-1** Pkg.

RE-FILL FOR 86-450-0 & 86-452-0 TOOLS

Package of 12 fiber glass re-fills for 70-450 & 70-452 tools.



86-456-12 Pkg.

SLIM LINE BURNISHING BRUSH



Slim line burnishing brush with metal nose cap and adjustable fiber glass fill.
Length: 135 mm Diameter: 8 mm

86-462-0 Bulk **86-462-1** Pkg.

FIBER GLASS RE-FILLS



Package of 12 fiber glass re-fills for 70-462 tool.

86-463-0 Bulk **86-463-1** Pkg.

PRECISION FILE SET



5 Piece precision file kit made up of:
Square, Triangular, Oval, Flat and Round File
Overall lengths: 175 mm
Blade lengths: 65 mm

86-605-0 Bulk **86-605-1** Pkg.

CUTTING TOOLS

PLASTIC UTILITY KNIFE



Plastic housing with snap-off blades and safety-lock.
Length: 130 mm Width: 12 mm
Replacement blade: 86-511-0 (12 pcs.)

86-510-0 Bulk **86-510-1** Pkg.

REPLACEMENT BLADE FOR 86-510-0



12 blades per plastic tube. Length: 110 mm

86-511-0 Bulk **86-511-12** Pkg.

PLASTIC UTILITY KNIFE



Plastic housing with snap-off blades and safety-lock.
Length: 155 mm
Width: 50 mm
Replacement blade: 86-516-0 (12 pcs.)

86-515-0 Bulk **86-515-1** Pkg.

REPLACEMENT BLADE FOR 86-515-0



12 blades per plastic tube. Length: 85 mm

86-516-0 Bulk **86-516-12** Pkg.

Visit our Web Site at
<http://www.mode-elec.com>



ALUMINUM HANDLE UTILITY KNIFE

Aluminum handle utility knife with 86-537-0 blade.
Length: 120 mm
Dia: 11 mm

86-535-0 Bulk

86-535-1 Pkg.



ELECTRICIAN'S SCISSORS

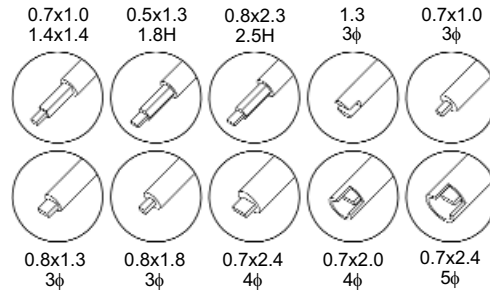
Extra strength stainless steel and insulated handles c/w notch in blade and file on the back edge of the blade. Length: 125 mm / 5".

86-555-0 Bulk

86-555-1 Pkg.

ALIGNMENT TOOLS

ALIGNMENT KIT



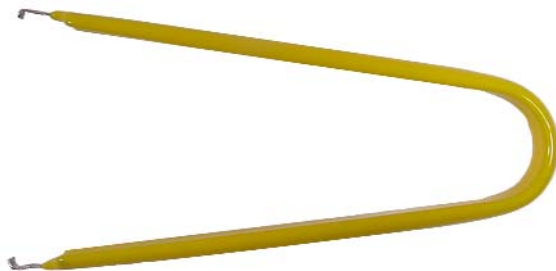
A 10 piece alignment tool kit mfg. from ABS plastic, the tools are extra strong and easy to grip.

86-575-0 Bulk

86-575-1 Pkg.

IC HANDLING & LEAD FORMING TOOLS

INSULATED IC PULLER



Insulated IC puller - for placing and removing integrated circuit devices. Length: 102 mm

86-609-0 Bulk

86-609-1 Pkg.

PLCC EXTRACTOR



PLCC Extractor - for safe removal of PLCC type components. Length: 100 mm

86-610-0 Bulk

86-610-1 Pkg.

COMPONENT LEAD BENDERS (PD SERIES)



PD Series - manufactured from cycolac plastic. Length: 137 mm

86-615-0 Bulk

86-615-1 Pkg.

1/4 & 1/2 Watt size for resistors and diodes

86-616-0 Bulk

86-616-1 Pkg.

1 & 2 Watt size for resistors and diodes

ALL METAL PICK-UP TOOL



The spring claws make it easy to retrieve any small parts from hard to reach areas. Length: 120 mm

86-650-0 Bulk **86-650-1** Pkg.

FLEXIBLE PICK-UP TOOL



Extra long, flexible cable pick-up tool with spring claws. Length: 425 mm

86-651-0 Bulk **86-651-1** Pkg.

TELESCOPIC MAGNETIC PICK-UP TOOL



Telescopic magnetic pick-up tool with pocket clip. Extends to 24 inches.

86-652-0 Bulk **86-652-1** Pkg.

MACHINIST'S SCRIBER



Length: 190 mm / 7 1/2"

86-663-0 Bulk **86-663-1** Pkg.

4 PIECE TEST PROBE KIT



Individual tools are one piece, stainless steel, and have flexible tips. They are ideal for checking solder joints and doing mechanical inspections. Ultra sharp. Length: 120 mm

86-660-0 Bulk **86-660-1** Pkg.

SPRING HOOK



Finely polished spring hook with easy grip handle. For inserting adjusting or removing springs. Hook - one end / Lifter - other end. Length: 120 mm / 8"

86-661-0 Bulk **86-661-1** Pkg.

INSPECTION MIRROR



Inspection Mirror with double ball joints, adjusts to any angle. Chrome plated steel finish & 31 mm dia. Length of handle: 150 mm

86-670-0 Bulk **86-670-1** Pkg.

FLAT SHOCKPROOF VULCAN SPUDGER



Double beveled and conical ends. Static free, ultra strong and long lasting. Size: 1/4" X 6"

SH80 Bulk

ROUND SHOCKPROOF VULCAN SPUDGER



Screwdriver and conical ends. Static free, ultra strong and long lasting. Size: 1/16" X 5 1/2"

SH81 Bulk

ORANGE STICKS

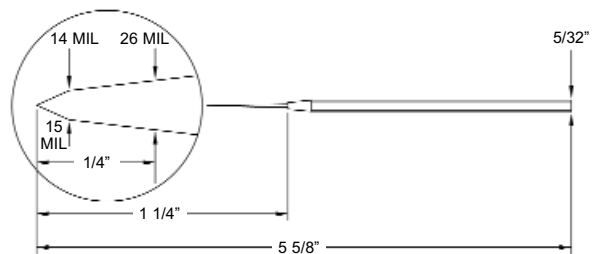


Double beveled and ends, manufactured from non-resin woods which will not contaminate solder or component leads. ESD safe. Size: 5/32" X 7"

Package of 100
SH83 Bulk

PROBES

RocHard MilProbes are made of an RC52 stainless steel with a tensile strength above 310,000 PSI. The RocHard probes will not break or deform and are available in 25 mil pitch sizes.



25 mil long life probe

SH116 Bulk

25 mil long life probe

SH117 Bulk

25 mil long life probe

SH123 Bulk

DOUBLE ENDED SOLDERING AIDS

The success of these tools has been based on the following quality features:

- **Hardened tool steel ends:** The tool ends are made of high quality Swedish Hardened Tool Steel, carefully heat treated and tempered to provide a tough, long lasting working edge that resists wear.
- **Hard Satin Chrome Finish:** The chrome finish repels solder even when in contact with flux.
- **Solid Rock Maple Wooden Handles:** Only top quality maple, finished with a special burn resistant varnish is used for our handles. The "Natural Feel" of wood handle is superior to any plastic. In addition to the comfort it provides to the hand, the wood handle is non-generative of static charges unlike other handle materials such as plastic and nylon. The wood handle serves as an excellent insulator between the two tool ends.
- **Two Sizes to Choose From:** These tools are available in both Standard(8") and Mini(51/2") sizes.
- **The Convenience of Double Ended Tools:** Combinations of any two tool ends are available to guarantee maximum utility by the user.
- **ESD Safe:** All these tools are engineered with ESD environment in mind.



Straight Flat Reamer / Straight Fork Tip - 5 1/2"
SH20C Bulk



Straight Flat Reamer / Straight Fork Tip - 8"
SH20A Bulk



Angled Flat Reamer / Straight Fork Tip - 8"
SH20B Bulk



Straight Flat Reamer / Beveled Scraper Blade - 8"
SH20L Bulk



Stainless Steel Brush / Beveled Scraper Blade - 5 1/2"
SH20G Bulk



Stainless Steel Brush / Beveled Scraper Blade - 8"
SH20K Bulk



Hook / Straight Fork Tip - 8"
SH20H Bulk

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

Visit our Web Site at
<http://www.mode-elec.com>



COMPACT SOFT VINYL TOOL CASE

Size: 14" x 12" x 4"
Includes 2 tool pallets, moveable dividers and shoulder strap.

87-0200-0



ALUMINUM FRAME TOOL CASE

Size: 18" x 13 1/2" x 6"
Includes key locks, 1 tool pallet, moveable dividers and shoulder strap.

87-0210-0

ASSY JIGS & HOLDERS

MINI TABLE VISE



- Jaw width: 1 1/4"
- Jaw opening: 1 1/2"
- Table clamp-on
- Max. clamp size: 1"
- Aluminum body

87-100-1 Pkg.

ADJUSTABLE 3" TABLE VISE



- Jaw width: 3"
- Jaw opening: 2"
- 360° Horizontal adjustment
- 90° Vertical adjustment
- Table clamp-on
- Aluminum body

87-107-1 Pkg.

MINI TABLE VISE



- Jaw width: 2 1/2"
- Jaw opening: 1 1/2"
- Table clamp-on
- Max. clamp size: 2"
- Aluminum body

87-103-1 Pkg.

PC BOARD HOLDER



A "Third Hand" PC Board holder c/w alligator clips mounted on adjustable arms. Ideal for holding PC Boards and components in place leaving both hands free for soldering.

84-122-1 Pkg.

VACUUM BASE VISE



A swivel base vacuum vise, that is completely portable and will anchor securely to any non-porous smooth surface with an instant action, fasten and release lever. A ball joint universal swivel allows the head to rotate 360 degrees horizontally and 180 degrees vertically. Aluminum body.

- Jaw width: 3"
- Jaw opening: 3"

87-106-1 Pkg.

PC BOARD HOLDER



Same as the 84-122-1 except the 84-123-1 comes with a mounted 2X magnifying glass.

84-123-1 Pkg.

POLYETHYLENE BOTTLES



The FD series are manufactured from very durable polyethylene and are ideal as a squeeze type flux dispenser. The bottles come complete with a #22 stainless steel hypodermic needle. They are available in one, two, four and eight ounce and come in opaque round configuration.

Fluid content: 1 ounce Applicator: Needle
87-210-0 Bulk **87-210-1** Pkg.

Fluid content: 2 ounce Applicator: Needle
87-212-0 Bulk **87-212-1** Pkg.

Fluid content: 4 ounce Applicator: Needle
87-214-0 Bulk **87-214-1** Pkg.

Fluid content: 8 ounce Applicator: Needle
87-218-0 Bulk **87-218-1** Pkg.

STANDARD DISPENSERS



High density polyethylene bottles, with one touch stainless steel pump.

Fluid content: 4 ounce
87-300-0 Bulk

Fluid content: 6 ounce
87-301-0 Bulk

Fluid content: 8 ounce
87-302-0 Bulk

PLASTIC DISPENSERS



A deep dish dispenser that features an all plastic valve head. Rotating the head locks the pump in a sealed position.

Fluid content: 4 ounce
87-303-0 Bulk

Fluid content: 8 ounce
87-304-0 Bulk

GLASS & METAL DISPENSERS



The one touch stainless steel pumps are available in a 4 ounce amber glass bottle and a durable 4 ounce steel can. Both dispensers are ideal for solvents which are not compatible with HDPE plastic bottles.


Type: glass
87-307-0 Bulk

Type: metal
87-308-0 Bulk


STATIC SAFE DISPENSERS



The Solvent Dispenser combines a stainless steel pumping mechanism that provides an exact amount of fluid in a single hand operation. The hinged lid gives protection against dust and other impurities when the unit is not in use. The bottle is ESD safe.

Fluid content: 4 ounce
87-349-0 Bulk 

Fluid content: 6 ounce
87-350-0 Bulk

Fluid content: 8 ounce
87-351-0 Bulk 

SAFE WASH BOTTLE



8 oz polyethylene bottle suitable for many liquid applications.


87-352-0 Bulk

HDPE DISPENSERS



The Solvent Dispenser combines a stainless steel pumping mechanism with an HDPE (High Density Polyethylene) bottle to provide an exact amount of fluid in a single hand operation. The hinged lid gives protection against dust and other impurities when the unit is not in use.

Fluid content: 4 ounce
87-374-0 Bulk

Fluid content: 6 ounce
87-376-0 Bulk 

Fluid content: 8 ounce
87-378-0 Bulk

Menda dispensers are made of high density polyethylene. The stainless steel automatic fluid dispenser prevents toxic fumes and spills. A precision valve seals the contents in the bottle until required, increasing safety for the user. The pump action allows you to dispense only as much fluid as needed, preventing evaporation and spills. The unique cap seal stops the fluid from dripping back into the bottle causing any contamination and a hinged lid protects the dish when the bottle is not in use.

ELECTRIC HEAT GUN



Voltage: 120V/60Hz
 Amperage: 12A
 Watt: 1440W
 2 fan speeds: Low & High
 2 heat settings: Approx. 850°F on Low, 1120°F on High
 Resetable thermostat protection

84-603-1 Bulk

WIRE GAUGE



Stainless steel Wire Gauge.
 36 AWG to 1 AWG, metric also.

87-110-0 Bulk
87-110-1 Pkg.

ROTARY TOOL KIT



87-211-1 shown
 with Flexible Shaft
 attached

Variable Speed 8000 - 30000 RPM
 CUL Approved
 C/w 42 Accessories Including:
 Flexible Shaft with 1/8" Chuck, 2 Drills, 4 Sanding Belts, 2
 Diamond Bures, 10 Grinding Stones, 6 Cut-off Wheels, 8
 Sanding Wheels, Collets, etc.

87-211-1 Pkg.

PCB MARKER (BLUE)

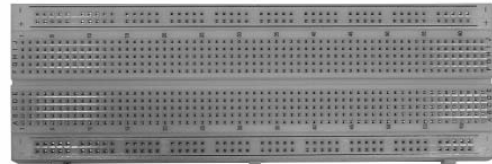


These markers feature valve-activated, ink-feed mechanisms, interchangeable felt-tips, and a sleek, lightweight plastic body. They write in bright, crisp markings.

Ink resists action of various etchants such as ferric chloride and ammoniated alkali.

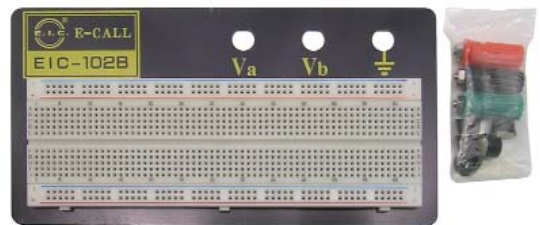
87-501-0 Bulk **87-501-1** Pkg.

BREADBOARD STRIPS FOR PROTOTYPE DESIGN



Aluminum Plate 164x52x0.3mm
 Board 165.1x54.6x8.5mm
 ABS plastic with color printed
 1 Terminal strip, 630 tie-point
 2 Distribution strips, 200 tie-point

88-840-1 Pkg.



Aluminum plate 183x95x1.2mm
 Board 165.1x54.6x8.5cm
 ABS plastic with color printed
 1 Terminal strip, 630 tie-point
 2 Distribution strips, 200 tie-point
 3 Binding posts
 5 Cushions

88-841-1 Pkg.



Aluminum plate 215x130x1.2mm
 Board 165.1x109.3x8.5mm
 ABS plastic with color printed
 2 Terminal strips, 1260 tie-point
 4 Distribution strip, 400 tie-point
 3 Binding posts
 5 Cushions

88-842-1 Pkg.



Aluminum plate 230x175x1.2mm
 Board 174.8x165.1x8.5mm
 ABS plastic with color printed
 3 Terminal strips, 1890 tie-point
 5 Distribution strip, 500 tie-point
 4 Binding posts
 5 Cushions

88-843-1 Pkg.

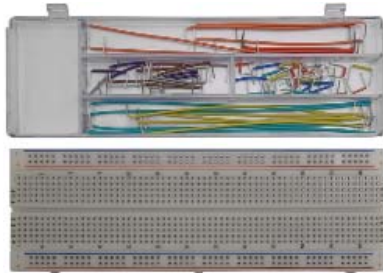
BREADBOARD STRIPS FOR PROTOTYPE DESIGN cont'd



88-844-1 Pkg.

Aluminum plate 240x210x1.2mm Board
 184.4x190x8.5mm ABS plastic with color printed
 4 Terminal strips, 2520 tie-point
 7 Distribution strip, 700 tie-point
 4 Binding posts
 5 Cushions

BREADBOARD KIT WITH JUMPER WIRES



88-850-1 Pkg.

Board 165.1x54.6x8.5cm. ABS plastic with color printed
 1 Terminal strip, 630 tie-point
 2 Distribution strips, 200 tie-point
 70pc jumper wire kit included

350 PIECE JUMPER WIRE KIT FOR BREADBOARDS



88-852-1 Pkg.

350 PIECES Stripped, Bent, 22 AWG Jumper Wires
 Includes 25 each of wires for jumping 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30, 40 and 50 nodes.

140 PIECE JUMPER WIRE KIT FOR BREADBOARDS



88-851-1 Pkg.

140 PIECES Stripped, Bent, 22 AWG Jumper Wires
 Includes 5 each of wires for jumping 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30, 40 and 50 nodes.

TRIGGER TRANSFORMER for 90-152



170 volt input to 4KV output voltage. Suitable for the flash tube shown below.

90-150-0 Bulk **90-150-1** Pkg.

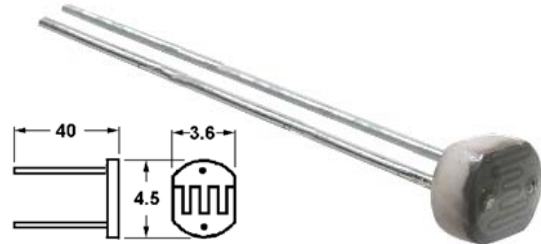
XENON FLASH TUBE



90-152-0 Bulk **90-152-1** Pkg.

Anode to Cathode voltage	300V(200min/400 max)
Maximum energy/flash rate	4WS (watt seconds)
Flash Rate	1/second (Min.)
Nominal Life (flashes)	10 million
Trigger Voltage	4KV
Tube length	32mm
Tube width	16mm
Lead length	40mm
Lead spacing	10mm

CdS PHOTOCELLS



	90-154-0	90-155-0
Peak Response(nm)	550nm	550nm
Min. Resistance(10 lux)	5K	11K
Max. Resistance(10 lux)	10K	20K
Min. Dark Resistance	500K	650K
Peak AC Voltage	100V	100V

	90-156-0	90-157-0
Peak Response(nm)	550nm	550nm
Min. Resistance(10 lux)	16K	30K
Max. Resistance(10 lux)	30K	60K
Min. Dark Resistance	700K	1.5M
Peak AC Voltage	150V	150V

Use -1 for Display Package

MODE ELECTRONICS LTD.
 211 - 2999 UNDERHILL AVE.,
 BURNABY, B.C., CANADA, V5A 3C2
 Phone: 604-435-6633
 Fax: 604-435-8890
 Toll Free: 1-800-663-4992
 Web Site: www.mode-elec.com

TYPES OF BRISTLE MATERIALS

Natural bristle materials

Goat Hair

Goat hair is a very soft yet fine natural material with properties that make it excellent for use in fine polishing and cleaning. It is non conductive.

Horse Hair

Horse hair is soft, resilient and long lasting. excellent for sweeping polished surfaces. Horse hair works well for dusting, flux removal and general cleanup. It is non conductive.

Hog Bristle

Natural Hog Bristle is resilient and is the stiffest natural material available. A Hog Bristle brush will provide the best possible cleanup. It works well when dealing with sticky, crusty materials or viscous fluids. It is non conductive.

Synthetic bristle materials

Nylon

Nylon is the toughest and most durable synthetic material available. Nylon bristles discourage bacterial growth and resist most acids. It is non-shedding, and is excellent for cleaning and scrubbing applications with its strong abrasion resistance properties. It does not scratch most surfaces.

Wire Materials

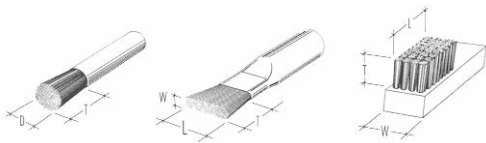
Brass

Brass is a softer wire than stainless steel, yet ideal for uses that include burnishing, polishing, non-sparking static removal and some deburring and material removal. Wire diameters range from extremely soft to stiff.

Stainless Steel

Stainless Steel is a highly corrosion-resistant wire to be used where contamination or rust is a problem. Stainless Steel bristle range from extremely soft to stiff. The fine, .003" diameter, wire is excellent for burnishing without removing the base material. Rust-proof and very strong, Stainless Steel is used to prevent harmful ferrous deposits on brushed parts. It is non-shedding.

BRUSH DIMENSIONS



D=Diameter **L**=Bristle Length **T**=Bristle Trim **W**=Bristle Width

All metal, plastic, and wood handle brushes can be used in ESD sensitive environments as long as the brush remains saturated in liquid. It is recommended that the brush be tested on the required application to confirm ESD compatibility.

All Insulative brushes are made of all non-shedding material that is perfect for use in cleaning very small areas that ESD and Cleanroom functions demand.

BRUSH DESIGN CONSIDERATIONS

The most critical aspects of the ESD brush are the fiber, the core or handle material, and grounding. Surface resistivity of the brush materials largely determines the electrostatic properties of the brush. Surface resistivity is a mathematical representation of a material's ability to resist the passage of electricity across its surface. The range of surface resistivity (in Ohms) is as follows:

- 10¹² - 10¹⁶ Insulative materials**
- 10⁵ - 10¹¹ Dissipative materials**
- 10² - 10⁴ Conductive materials**

These classifications (Conductive, Dissipative, Insulative) along with Anti-Static (static charge inhibitors) are used to segregate the brushes into useful groups in this catalog. The type of brush you will require depends on your application for the brush that is based in part upon the surface resistivity required for that application.

If the mounting location is not grounded, then a grounding strap or wire incorporating a 1 Meg Ohm resistor should be used between the brush and an electrical ground. Potentially severe bodily harm may result from the use of a conductive brush if a 1 Meg Ohm resistor is not used.

BRUSH CATEGORIES

Conductive Brushes

Conductive Brushes have a surface resistivity of 10² - 10⁴ and are perfect to use when you need to remove static buildup from the work surface. Conductive brushes will act as a conduit between the charged surface and the path to ground. Made with fully conductive materials that are active static eliminators, your choice becomes the style and size that best works for you. Please use these brushes with a wrist strap or other mechanism to provide a path to ground.

Anti-Static Brushes

Anti-Static brushes are made from low charging materials and natural materials that are near neutral on the triboelectric chart of static generation. They neither give nor take electrons and, therefore, remain essentially electrically neutral. There can, however, be a slight charge created. In extreme voltage sensitive applications, these brushes should be used only in a liquid environment.

Insulative Brushes

Insulative brushes have a surface resistivity of 10¹² - 10¹⁶ and are an inexpensive water resistant alternative to Anti-Static Brushes. They are best used in an environment where static is not critical to the task at hand or where the brush is submerged in liquid when in use.

**DOUBLE ENDED SERIES
(ANTI-STATIC)**



This Series has two sizes with two end styles (tapered and flat) to fit your needs. Fibers are mechanically clamped into the handle for maximum fiber retention so that no adhesives can leach out and contaminate surface being cleaned. Brushes are available with Horse Hair (HH) or Hog Bristle (CK) material. Handle material for 1005 is Stainless Steel, and the 1010 handle is Zink Plated Steel.

Bristle material	Part #	Part #
Hog Bristle	1005CK	1010CK
Horse Hair	1005HH	1010HH
Handle Length	4 1/2"	4 1/2"
Diameter	3/16"	3/8"
Bristle Trim Length	1/4" - Tapered 1/2" - Flat	3/16" - Tapered 1/4" - Flat
Turf Diameter	Oval	Oval
Use	Short end for haeavy duty scrubbing Chiseled end to reach and scrub tight corners	

1 SERIES (ANTI-STATIC)



This Series is an inexpensive utility duster/cleaner. It is an excellent replacement for throw away acid brushes that can lose fibers. Mechanical fiber clamping construction of a Zinc Plated Steel handle holds the fiber in place with no adhesives to leach out and contaminate cleaning fluid supply.

Bristle material	Part #
Hog Bristle	1CK
Horse Hair	1HH
Handle Length	4 1/2"
Diameter	3/8"
Bristle Trim Len.	3/4"
Tuft Dia. (Oval)	7/16"
Use	Rework or cleanup; use dry or with fluids

**ALUMINUM HANDLE SERIES
(ANTI-STATIC)**



The 11A and 33A Series has Aluminum handle and comes with one or three rows of bristles. These brushes are great for fine detailing and fitting into tight areas. The fibers are hand laced for better fiber retention and durability.

Bristle material	Part #
Hog Bristle	11CKA
Handle Length	6 7/16"
Handle Width	1/8"
Bristle Trim Len.	7/16"
Bristle Length	1 3/16"
Bristle Width	3/16"
Use	Fine detail cleaning

**WOOD SCRATCH BRUSHES
(ANTI-STATIC)**



The 11P, 14, and 15 Series brushes are the same style Plywood handles, with one, two or three rows of bristles, hand laced with stainless steel wire for maximum fiber retention and long use. The 11P has a small face width. The 14 Series has a slightly wider Plywood handle. The 46 Series is a large scrubber brush to be used when wide areas are cleaned.

Bristle material	Part #	Part #	Part #	Part #
Hog Bristle	11CKP	14CK	15CK	46CK
Horse Hair	11HHP	14HH	15HH	
Stainless Steel	11SSP		15SS	
Brass			15B	
Handle Length	7 3/4"	7 3/4"	7 3/4"	8 1/2"
Handle Width	7/16"	7/16"	7/16"	1"
Bristle Trim Len.	7/16"	7/16"	7/16"	3/4"
Bristle Length	1 3/8"	1 3/8"	1 3/8"	1 5/8"
Bristle Width	1/8"	1/4"	1/4"	7/8"
Use	Fine detail cleaning	Slightly wider for tough spots	Detail cleaning and scrubbing	Larger scrubber

**ALUMINUM HANDLE SERIES
(CONDUCTIVE)**



The 11A, 22A and 33A Series brushes are the same style aluminum handles, with one, two or three rows of bristles. Bristle material is soft Stainless Steel (SS) or soft Brass (B). These brushes are great for fine detailing and fitting into tight areas. The fiber are hand laced for better fiber retention and durability.

Bristle material	Part #
Brass	
Stainless Steel	11SSA
Handle Length	6 7/16"
Handle Width	1/8"
Bristle Trim Len.	7/16"
Bristle Length	1 3/16"
Bristle Width	3/16"
Bristle Rows	1
Use	Fine detail cleaning

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

**WOOD SCRATCH BRUSHES
(ANTI-STATIC)**



The 30 Series is a small, inexpensive, three row "scratch" or "toothbrush" style brush made of rugged and static-neutral Plywood. The 36 Series is a four row "scratch" brush on a larger handle. Horse Hair versions are great cleaners/dusters. Hog Bristle versions work great where a stiffer brush is needed.

Bristle material	Part #	Part #
Hog Bristle	30CK	36CK
Horse Hair	30HH	
Stainless Steel	30SS	36SS
Handle Length	7 3/4"	8 3/8"
Handle Width	7/16"	1 1/16"
Bristle Trim Len.	7/16"	3/4"
Bristle Length	1 3/8"	2 1/8"
Bristle Width	1/4"	7/8"
Use	Board rework and cleanup	Board rework and cleanup. Gen. utility

ACID BRUSHES



Disposable brushes for applying acid, glue, or coatings. Very popular when one time usage is necessary. Tin ferrule handle with 6" overall length for all the AB series.

3/8" Diameter Horse Hair/Tin Handle Acid Brush

AB4(package of 12) **AB4G**(package of 144)

1/2" Diameter Horse Hair/Tin Handle Acid Brush

AB5(package of 12) **AB5G**(package of 144)

SST SERIES (CONDUCTIVE)



This series includes four handy sizes to fit most benchwork needs. All have strong mechanical fiber clamping for maximum fiber retention and no adhesives that can leach out and contaminate surface areas. All handles are made from Stainless Steel.

Bristle material	Part #	Part #
Stainless Steel	SST10SS	SST12SS
Handle Length	4 3/4"	6"
Diameter	5/16"	3/8"
Bristle Trim Len.	3/8"	3/4"
Turf Dia. (Oval)	3/8"	7/16"
Use	Fluid applicator & general use	

SST SERIES (ANTI-STATIC)



This series includes four handy sizes to fit most benchwork needs. All are made with Stainless Steel handles. All have strong mechanical fiber clamping for maximum fiber retention and no adhesives that can leach out and contaminate surface areas.

Bristle material	Part #	Part #	Part #	Part #
Goat Hair	SST2G			SST12G
Hog Bristle				SST10CK SST12CK
Horse Hair	SST2HH	SST6HH	SST10HH	SST12HH
Handle Length	3 1/2"	4 3/4"	4 3/4"	6"
Diameter	1/8"	3/16"	5/16"	3/8"
Bristle Trim Len.	1/8"	5/16"	3/8"	3/4"
Turf Dia. (Oval)	1/8"	1/4"	3/8"	7/16"
Use	Fine detail cleaning & fluid applicator		Fluid applicator & general use	

SST SERIES (INSULATIVE)



This series includes four handy sizes to fit most benchwork needs. All have strong mechanical fiber clamping on a Stainless Steel handle for maximum Nylon fiber retention and no adhesives that can leach out and contaminate surface areas.

Bristle material	Part #	Part #	Part #
Nylon	SST2N	SST6N	SST10N
Handle Length	3 1/2"	4 3/4"	4 3/4"
Diameter	1/8"	3/16"	5/16"
Bristle Trim Len.	1/8"	5/16"	3/8"
Turf Dia. (Oval)	1/8"	1/4"	3/8"
Use	Fine detail cleaning	Fluid applicator	Fluid applicator

THROWAWAY PAINT/CHIP BRUSHES



Bristle trim length: 1"

	Part #	Part #	Part #	Part #
	TA605	TA610	TA620	TA630
Size	1/2"	1"	2"	3"

1/2" THROWAWAY PAINT/CHIP BRUSH



Bristle trim length: 1/2"

TA620 1/2

**Visit our Web Site at
<http://www.mode-elec.com>**

WA SERIES (ANTI-STATIC)



This series is comprised of various wood handle sizes designed for dusting and scrubbing, particularly on circuit boards. The WA7 Series has an "orange stick" chiseled handle on one end for debris removal. The WA12 Series is a heavy-duty scrubber or duster.

Bristle material	Part #	Part #
Hog Bristle		WA12CK
Horse Hair	WA7HH	WA12HH
Handle Length	7"	4 15/16"
Handle Width	1/8"	1/4"
Bristle Trim Len.	1/2"	1/2"
Bristle Length	N/A	7/8"
Bristle Width	N/A	3/8"
Use	Detail brush	Duster/scrub
	For small to large areas, especially on circuit boards	

NEW ITEMS

We have added new items since the last catalog was printed. Please take a moment to check out these new items in the following list. The new items are highlighted in the catalog.

24-388-0	3.5mm Stereo Chassis Jack	Page 16	59-296-0	92x92x25mm Fan (Sleeve)	Page 63
25-814-0	Waterproof Inline Jack (4-pos)	Page 18	59-330-0	40mm Fan Filter Kit	Page 63
25-815-0	Waterproof Inline Jack (5-pos)	Page 18	59-331-0	50mm Fan Filter Kit	Page 63
25-818-0	Waterproof Inline Jack (8-pos)	Page 18	59-332-0	60mm Fan Filter Kit	Page 63
25-834-0	Waterproof Chassis Plug (4-pos)	Page 18	59-333-0	80mm Fan Filter Kit	Page 63
25-835-0	Waterproof Chassis Plug (5-pos)	Page 18	59-334-0	92mm Fan Filter Kit	Page 63
25-838-0	Waterproof Chassis Plug (8-pos)	Page 18	59-335-0	120mm Fan Filter Kit	Page 63
27-242-0	2.5mm St. Jack to 3.5mm St. Plug	Page 19	68-101-0	2.1mm Polarity Changer	Page 69
27-912P-0	Premium RCA 'Y' Cable	Page 20	68-102-0	2.5mm Polarity Changer	Page 69
27-921P-0	Premium RCA 'Y' Cable	Page 20	68-105-0	5VDC 1Amp USB Charger	Page 69
27-975-0	Premium 3.5mm - 2 RCA 'Y' cable	Page 20	68-106-1	USB Cig. Lighter Plug Charger	Page 69
27-511P-0	Premium Stereo RCA Cable - 3'	Page 20	68-110-1	Compact Travel Adapter	Page 70
27-611P-0	Premium Stereo RCA Cable - 6'	Page 20	68-111-1	Universal Travel Adapter With USB	Page 70
27-711P-0	Premium Stereo RCA Cable - 12'	Page 20	68-6500PS-1	0.5A Switching PS (6V)	Page 70
27-811P-0	Premium Stereo RCA Cable - 25'	Page 20	68-9006PS-1	0.6A Switching PS (9V)	Page 70
31-030RA-0	R/A Line Cord 18/3 SVT 10'	Page 25	68-1206PS-1	0.6A Switching PS (12V)	Page 70
31-031RA-0	R/A Line Cord 18/3 SVT 6'	Page 25	68-1210PS-1	1A Switching PS (12V)	Page 71
31-032RA-0	R/A Line Cord 16/3 SJT 6'	Page 25	68-5030PS-1	3A Switching PS (5V)	Page 71
31-033RA-0	R/A Line Cord 16/3 SJT 10'	Page 25	68-9022PS-1	2.2A Switching PS (9V)	Page 71
31-034RA-0	R/A Line Cord 14/3 SJT 10'	Page 25	68-2408PS-1	0.8A Switching PS (24V)	Page 71
31-035RA-0	R/A Equip. Cord 18/3 SVT 6'	Page 25	68-6030PS-1	3A Switching PS (6V)	Page 72
31-036RA-0	R/A Equip. Cord 18/3 SVT 10'	Page 25	68-5050PS-1	5A Switching PS (5V)	Page 72
31-037RA-0	R/A Equip. Cord 16/3 SJT 6'	Page 25	68-1250PS-1	5A Switching PS (12V)	Page 72
31-038RA-0	R/A Equip. Cord 16/3 SJT 10'	Page 25	68-1533PS-1	3.3A Switching PS (15V)	Page 72
31-039RA-0	R/A Equip. Cord 14/3 SJT 10'	Page 25	68-2427PS-1	2.7A Switching PS (24V)	Page 72
31-065-1	6 Outlets Power Strip	Page 26	73-002-1	Terminal Assortment	Page 76
31-066-1	8 Outlets Power Strip	Page 26	73-860-0	Single Wire Clamp (20-25 AWG)	Page 77
31-067-1	Home or Office Surge Arrester	Page 26	73-861-0	Single Wire Clamp (19-17 AWG)	Page 77
34-649-1	Heat Shrink Tubing Asmt. (Black)	Page 30	73-862-0	Single Wire Clamp (16-14 AWG)	Page 77
34-651-1	Heat Shrink Tubing Asmt. (Color)	Page 30	73-863-0	Single Wire Clamp (13-12 AWG)	Page 77
55-573-0	5mm Flashing LED	Page 52	73-864-0	Single Wire Clamp (11-10 AWG)	Page 77
55-724-0	LED Strip Dimmer	Page 56	73-870-0	T - Wire Clamp (20-25 AWG)	Page 77
55-934-0	Fast Blow Fuse 25Amp	Page 59	73-871-0	T - Wire Clamp (19-17 AWG)	Page 77
55-935-0	Fast Blow Fuse 30Amp	Page 59	73-872-0	T - Wire Clamp (16-14 AWG)	Page 77
55-950-0	Slow Blow Fuse 5Amp	Page 59	73-873-0	T - Wire Clamp (13-12 AWG)	Page 77
55-951-0	Slow Blow Fuse 10Amp	Page 59	73-874-0	T - Wire Clamp (11-10 AWG)	Page 77
55-952-0	Slow Blow Fuse 15Amp	Page 59	73-880-0	2x2 Wire Clamp (20-25 AWG)	Page 77
55-953-0	Slow Blow Fuse 20Amp	Page 59	73-881-0	2x2 Wire Clamp (19-17 AWG)	Page 77
59-101-0	120x120x38mm Fan (115VAC, Ball)	Page 62	84-0921-1	60 Watt Digital Solder Station	Page 80
59-114-0	120x120x38mm Fan (Ball)	Page 62	84-0931-1	90 Watt Digital Solder Station	Page 81
59-115-0	120x120x25mm Fan (Sleeve)	Page 62	84-0941-1	45 Watt Digital Solder Station	Page 81
59-245B-0	40x40x20mm Fan (Ball)	Page 62	84-0981-1	Fume extractor	Page 81
59-246-0	40x40x10mm Fan (Sleeve)	Page 62	84-151-1	Premium Crimp/Strip Tool	Page 87
59-247-0	40x40x10mm Fan (Ball)	Page 62	84-409-0	Havy Duty Cutters (5 1/2")	Page 92
59-254-0	50x50x10mm Fan (Sleeve)	Page 62	87-349-0	ESD Safe Dispenser (4 ounce)	Page 101
59-265B-0	60x60x25mm Fan (Ball)	Page 63	87-351-0	ESD Safe Dispenser (8 ounce)	Page 101
59-266-0	60x60x15mm Fan (Sleeve)	Page 63	87-374-0	HDPE Dispenser (4 ounce)	Page 101
59-285-0	80x80x25mm Fan (Ball)	Page 63	87-376-0	HDPE Dispenser (6 ounce)	Page 101
59-286-0	80x80x15mm Fan (Sleeve)	Page 63	87-378-0	HDPE Dispenser (8 ounce)	Page 101
59-295-0	92x92x25mm Fan (Ball)	Page 63			

AC Adapters	66-73	Wall plates	7	.156" Wire	33
AC Power		Cable		Cordless soldering iron	82
Bars	25	Audio	20,21	Crimp tools	86-88
Cords	25	Auto lighter	26	Cutting tools	96,97
Receptacles	25	Boots for Cat 5	6	Cutters	92,94
Strips	25,26	Boots for coax	12	DC power connectors	26
Acid brushes	106	Cat 5 & Cat 6	6	DC adapter	69
Adapters		Clamps	29	Desoldering tools	78,83
Audio	19,20	Component Video	21	Detector, Voltage	77
Modular-RS232	27	DVI-D	21	Digital solder station	80,81
Video	9,20	HDMI	21	Digital thermometer	77
RF	9-10	Modular	4	Dimmer, LED Strip	56
Alarms, audio	64	Speaker	65	DIN connectors	17
Alignment tools	97	Ties	28,29	DIN rail terminal blocks	61
Alligator clips	28	Tie mounts	29	Dispensers	101
Assortments		Tie tool	89	D-Sub	
Hardware	45,46	Trailer harness	59	Connectors	22-24
Terminals	76	Ribbon	32	Crimp Tools	88
Audio		Cases, plastic	44	Pin Extractor	89
Adapters	19,20	Cigarette lighter USB	69	Earphones	74
Alarms	64	Circuit breakers	41,42	Edsyn products	78-80
Cables	20,21	Clamps, cable	29	ESD Safe Dispensers	101
L-pads	64	Clips		Extractors	
Connectors	14-18	Alligator	28	IC	97
Plugs/Jacks	15-17	Lead sets	28	Fume	80,81
Speakers	65,74	Coax cable stripper	91	F crimp tools	87
Transformer	64	Coaxial		Fans	62,63
Auto lighter plugs	26	Cables	7	Feet, rubber	46
Auto lighter jack	26	Cable boots	12	Ferrule crimping tool	88
Banana jacks	27	Component lead bend.	97	Ferrules, wire	76
Banana plugs	27	Computer access.	27	Fiber-Optic cbl. stripper	90,91
Bits		Conduit, flexible	30	File kit	96
Pozi-Drive	95	Connectors		Flash tube, xenon	103
Phillips	95	.062"	32	Forceps	85
Robertson	95	.093"	32	Fume extraction	80,81
Security	94	.100"	32	Fuses	59
Slot	94	.156"	33	Fuseholders	59
Tee Star	94	Cat 5e	5	Gender changers	27
Battery holders	59	Centronics	24	Glass	
Battery snaps	59	DC power	26	Dispenser	101
Binding posts	27	DIN	17	Magnifiers	85,86
BNC connectors	11-12	D-Sub	22-24	Grommets	46
Bottles		D-Sub HD	24	Grommet, flexible	30
HDPE	101	'F'	8	Hardware	
Polyethylene	101	'BNC'	11-12	D-Sub	23
Pump	101	Microphone	18	Grommets	46
Static Safe	101	Mini DIN	18	Kits	45,46
Boxes		Mini-UHF	13	Nuts	45,46
Plastic	44	'N'	12	Screws	45,46
Storage	44	PC Box	31	Washers	45,46
Breadboard strip	102,103	Precision Miniature	18	Heat gun	102
Brushes	104-107	RCA	14	Heat Shrink Tubing	30
Burnishes, contact	96	RF	11-13	Headers	
Bushings		Ribbon	31	.100"	31,32
snap-in	30	'SMA'	13	.156"	33
Hole plugs	30	'TNC'	13	Helping hands	100
Strain relief	30	'UHF'	11	Hole plugs	30
Butane soldering iron	82	Video	8	Hex	
Buzzers	64	Waterproof	18	Bits	94,95
CATV		Contact burnishes	96	Extension shaft	95
Deluxe splitters	7	Contacts		I.C. pullers	97
Match transformer	7	.062"	32	I.C. sockets	
Splitters	7	.093"	32	Dual wipe	33
Switch	7	.100" Wire	32	PLCC	33

Machined contact	33	2.5mm	15	Miniature	65
Indicator lamps	47,48	3.5mm	15	Outdoor horn	74
Inspection mirror	98	Banana	27	Terminals	60
Jacks		DC power	26	Speaker wire	65
1/4"	17	DIN	17	Spiral wrap	29
2.5mm	15	Mini DIN	18	Spudgers	98
3.5mm	16	Mod. telephone	4	Strain reliefs	30
Banana	27	RCA	14	Strain relief install tool	89
DC power	26	Test	27	Strips, LED	53-56
DIN	17	Polarity Changer	69	Switches	
Mini DIN	18	Polyethylene bottles	101	Accessories	36,37
Mod. telephone	3-4	Potentiometers	65	Control	39
RCA	14	Power bars	25,26	Foot	42
Test	27	Power cords	25	Key	41
Knife blades	96	Power supplies	66-73	Magnetic	42
Knives	96,97	Pozi-Drive bits	95	Micro	41
Knobs	44	Probes	98	Power	36,37
Lead benders	97	Project boxes	44	Push button	38
Lamps	47-58	Pullers, IC	97	Rocker	40,41
Lamps incandescent	57-58	Pump bottles	101	Rotary	42
LED RGB Strips	54	R/A Plug Power Cords	25	Slide	40
LED Rpl. Lamps	48-51	RCA Plugs/Jacks	14	Sub-miniature	34,35
LED Strips	53-56	Receptacle Circuit Tester	77	Toggle	36,37
LED Strip Dimmer	56	Rechargeable sold. iron	82	Ultra-miniature	35
LED's	48-56	Relays	42,43	Telephone	
Line cords	25	Relay sockets	42,43	Accessories	3-6
L-pads	64	RF adapters	9,10	Cable, bulk	4
Loupes	86	RF connectors	11-13	Cable, Cat 5	6
Magnetic pick-up tool	98	RF crimp tools	88	Cable, Cat 6	6
Magnifying glasses	85,86	RGB Controller	54	Cable, coiled	3
Marker, PCB	102	Ribbon cable	32	Cables	3,4
Miller products	90	Ribbon connectors		Cat 5	5-6
Miniature screwdrivers	94	.100"	31	Cat 6	6
Mirror, inspection	98	Centronics	24	Crimp tools	87
Meters		DIP	33	Joiners	3
Analog, multimeter	77	D-Sub	24	Modular jacks	4
Digital, multimeter	77	Ribbon cable cutter	91	Modular plugs	4,5
Thermometer	77	Rotary tool kit	102	Wall plates	3,5
Meter leads	28	Robertson Bits	95	Wall jacks	3,5
Microphone		Rubber feet	46	Terminal crimp tools	86-88
Uni-directional	74	Ring terminals	75	Terminals	
Cartridge	74	Screws	45,46	Assortments	76
Connectors	18	Screwdrivers		Blocks	60,61
Micro switches	41	Miniature	94	Speaker	60
Mini DIN connectors	18	Sets	94	Wire	75-76
Mini UHF connectors	13	Slot blade	94	Terminators	
N connectors	12	Scissors	97	'F'	8
Network Cable Tester	77	Security bits	94,95	BNC	11
Nuts, hex	45,46	Seizers	85	Test Accessories	28
Outlet strips	25,26	Shunts, .100"	31	Test meters	77
Parts box	44	Slot blade screwdrivers	94	Tester	
PC Box Connectors	31	Solderpullt, Edsyn	78	Receptacle Circuit	77
PC board holders	100	Soldering		Voltage	77
PCB marker	102	Aids	98,99	Ties, cable	28,29
Phillips Bits	95	Iron holder	82	Tinning compound	78
Photocells, CdS	103	Iron kits	82	Tip cleaner	82
Pick-up tools	80,98	Iron, cordless	82	Tip tinning compound	78
Pilot lamps	47,48	Iron Station	80	Tool Cases	100
Pin insertion tool	89	Irons	82	Tools	
Plastic boxes	44	Stations	79,80,81	Alignment	97
PLCC, IC socket	33	Solvent dispensers	101	Assy jigs	100
Pliers	93	Spade terminals	75	Burnishing	96
Plugs		Speakers		Cable tie	89
1/4"	16	Extension	74		

Cat 5	6,89	Solder iron stand	82	Wash bottles	101
Coax stripper	91	Strain relief	30,89	Washers	45,46
Combicutter	94	Tweezers	83,84	Waterproof	
Crimp, Compression	87	Universal Stripping	89	Connectors	8,18
Crimp, D-sub	88	Wire stripper	90,91	Switch Actuators	69
Crimp 'F'	87	TNC connectors	13	Switch Boots	36,37
Crimp, Ferrule	88	Trailer Harness Cable	59	Switch Cap	40
Crimp, RF	88	Transformers		Wire cutter/stripper	91
Crimp/Strip	87	Audio	64	Wire strippers	90,91
Crimp, wire term.	88	Telephone	64	Wire ferrules	76
Cutter/Stripper	91	Xenon trigger	103	Wire gauge	102
Cutters, wire	92	Travel Adapter	70	Wire taps	76
Cutting	96,97	Tubing Heat Shrink	30	Wire terminals	75,76
Desoldering	78,83	Tweezers	83,84	Wiring accessories	
Econ. Punch-Down	89	USB Charger	69,70	Spiral wrap	29
Forceps	85	UHF connectors	11	Cable ties	28,29
Helping hand	100	Utility Knives	96,97	Cable tie mounts	29
IC Hand./lead form.	97	Vacuum		Flexible conduit	30
Insertion/ext. .093"	89	Pick-up tools	80	Flexible grommet	30
Insertion/ext. .062"	89	Vises	100	Heat shrink tubing	30
Insertion/ext. D-sub	89	Video		Hole plugs	30
Magnifying glasses	85,86	Adapters	9,20	Snap-in bushings	30
Modular telephone	86	Cables	20,21	Xenon flash tube	103
Needle nose pliers	93	Connectors	8		
Scissors	97	Vises	100		
Screwdrivers, set	94	Voltage			
Soldering aids	98,99	Detector	77		
Soldering iron	82	Tester	77		

IMPORTANT NOTICE

Although every possible effort has been made to ensure that the information in this catalog is accurate, there is always the possibility that there are errors in the information provided. Please accept our apologies, in advance, for any inconvenience this might cause.

Please understand that all specifications are subject to change without notice. This notice is necessary because occasionally a manufacturer may change specifications for an item or a design may be changed slightly for a variety of reasons. In most cases these changes should result in a better product.

The specifications in this catalog are based on the manufacturers data or a safety organizations ratings of a product and should not be exceeded at any time. If you have an unusual application for an item, please check with Mode to ensure that the product is suitable for your application.

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

E-MAIL INQUIRIES
info@mode-elec.com