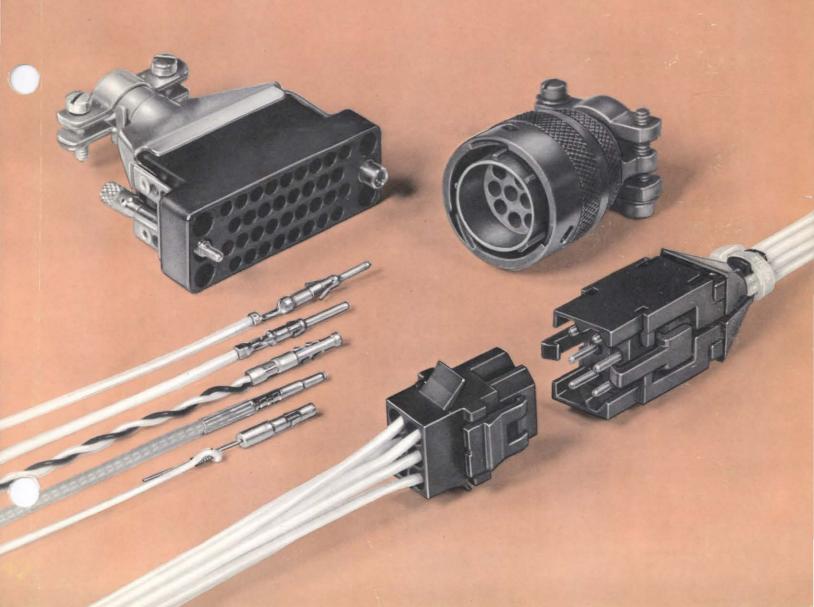


Rectangular, QIKMATE™& Round Connectors
Power & Coax Contacts



Burndy Trim Trio is a unique family of connectors that offers more flexibility, versatility and design options than any other connector system. The Trim Trio system is made up of one common family of .0625" diameter contacts. They're available in high reliability machined gold plate, strip formed tin or gold plate, submin coax or twisted pair. Any of the contacts can be used interchangeably in Trim Trio connectors: rectangular, Qikmate self-mounting or round. Contacts can be used as input or output in any plug or receptacle for unparalleled versatility. Complete installation tooling - from hand tools to automatic presses - lets you match production requirements precisely.

The following names are trademarks of Burndy Corporation: BURNDY, BANDOMATIC, HYFEMATIC, HYFEN, HYPRESS, HYTOOL, MINI CATS, QIKMATE, TRIM TRIO.

Dimensions, tolerances and other specifications which may be shown in this Catalog are subject to change. Current information is available on request.

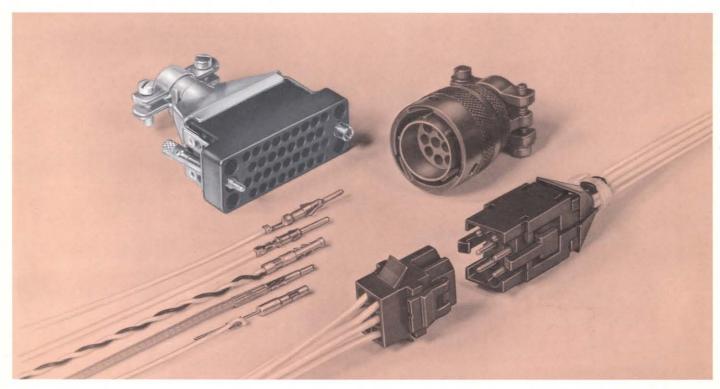
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Rectangular Connectors



Trim Trio rectangular connectors are available in a 14 to 75 place block family and in larger 104 and 152 position blocks.

14-75 Place Blocks: These blocks are made of glass-filled phenolic or diallyl. The hardware is pre-assembled to the blocks, eliminating assembly time and the possibility of missing parts. Hoods are of a unique design which permits contacts to be inserted or extracted without dismantling hoods. An illustrated ordering chart, pages 8-9, gives the catalog numbers for pre-assembled block configurations.

104 and 152 Place Blocks: The 104 place block is molded of diallyl; the 152 of glass filled phenolic. Both have a center jackscrew for easy connection and disconnection while maintaining positive engagement.

Performance Characteristics

Operating Temperature Insulation Resistance (min.) Test Potential (1 min. duration) Contact Retention in Panel (min.)

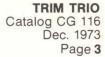
Shock Materials: MS-M blocks

MSD-M blocks Guide Pins and sockets

Keyed jacks and Rotating jacks

-55° to +125°C 5000 megohms 2000 VAC, 60 HZ 25 lbs. (machined contacts) 15 lbs. (formed contacts) after 10 insertions and withdrawals Per MIL-STD-202, method 207

Glass-filled phenolic per MIL-M-14F, type MFH Diallyl Phthalate per MIL-M-19833 without accessories — Brass ASTM B1. 6; with accessories — Stainless Steel #303 Stainless Steel #303





Suitcase Hood and Block Assemblies

The suitcast hood, factory preassembled, opens easily for contact insertion, inspection, or changes, and snaps shut. Assemblies can include finger turnable jack screws, quick disconnects, pin protection skirts, guide pins and sockets. See pages 8-9 for these variations.

Material

Hood, Cable Clamp Bar, Hinge Block: Aluminum per QQ-A-250. Finish: Gold chromate per MIL-C-

Latch: Copper alloy per ASTM B-122, Alloy 3 or per QQ-C-585 Comp. 5.

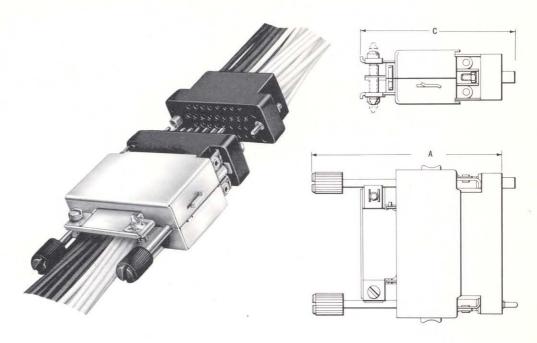
Jackscrew: Carbon steel A1S1B113 per QQ-S-633.

Finish: Cadmium per QQ-P-416,

Type 1, Class 3.

Jackscrew Knob: Nylon per MIL-P-

20693, Type 3.



Suitcase Hood and Assemblies

| | Body | Dimensions in Inches | |
|------------------------------------|------|----------------------|--|
| | Size | MS-M, MSD-M | |
| "A" Dimension | 14 | | |
| | 20 | | |
| Block with | 26 | | |
| rotating jackscrews | 34 | 3.33 | |
| and suitcase hood | 42 | | |
| | 50 | | |
| | 75* | | |
| | 14 | | |
| "C" Dimension | 20 | | |
| | 26 | | |
| Block with guide | 34 | 2.56 | |
| Block with guide pins, sockets and | 42 | | |
| suitcase hood | 50 | | |
| | 75* | | |

^{*}May be used on plug only.

Clamshell Hood and Block Assemblies

The clamshell hood, used either with jackscrews or guide pins, allows contacts to be snapped into and removed from the connector without removing the hood. It may be used in conjunction with a quick disconnect or pin protection skirts, See pages 8-9 for these variations.

The hood clamp is designed to accommodate a full complement of #20 AWG wires maximum per MIL-W-16878 (.081 diameter maximum over insulation with or without outer nylon jacket). Clamp will close down to a minimum wire accommodation of 50% capacity.

Material:

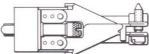
Hood: aluminum alloy Jackscrews: stainless steel Jack socket: stainless steel

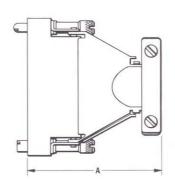
Finish:

Hood: gold chromate per MIL-C-

5541







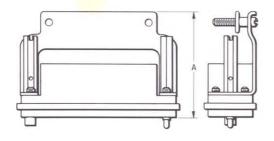
ClamshellHood and Block Assemblies

| Body Size | "A" Dimensions in Inches | | | | |
|--------------|--------------------------|--|--|--|--|
| Size | MS-M, MSD-M | | | | |
| 14 | | | | | |
| 20 | 1.92 | | | | |
| 26 | | | | | |
| 34 | | | | | |
| 42 | 2.24 | | | | |
| 50 | 2.24 | | | | |
| 75 | | | | | |

The cable clamp is designed for use with all MS-M type miniature rectangular HYFEN connectors and can be fitted to either the plug or receptacle. It may be used with either guide pins or rotating jack screws. The cable clamp affords strain relief and permits easy access to contacts. The conductor restraining screws of the cable clamp are rubber sleeved to prevent damage to the conductor insulation. It can be used with pin protection skirts. See pages 8-9 for these variations.



Cable Clamp and Block Assemblies



Cable Clamp and Block Assemblies

| Podu Cizo | "A" Dimensions in Inches MS-M, MSD-M | | |
|-----------|--------------------------------------|--|--|
| Body Size | | | |
| 14 | 1.58 | | |
| 20 | 1.59 | | |
| 26 | 1.77 | | |
| 34 | | | |
| 42 | 1.80 | | |
| 50 | 1.80 | | |
| 75 | | | |



Pin Protection Skirts and Block Assemblies

Pin protection skirt provide contacts with maximum protection from physical damage. The pin protection skirts minimize the danger of short circuiting when connector halves are not mounted.

Material

Aluminum alloy finished with gold chromate per MIL-C-5541.

Pin protection skirts are available in any one of 4 polarizing positions. The location of the polarization pin & slot is specified in the suffix to the catalog number.



| Slot No. | Suffix | Catalo | og Number | |
|----------|--------|---------------|---------------------|--|
| 310t No. | Sullix | Plug with Pin | Receptacle with slo | |
| 1 | S1 | MSPS1 | MSRS1 | |
| 3 | \$3 | MSPS3 | MSRS3 | |
| 5 | S5 | MSPS5 | MSRS5 | |
| 7 | S7 | MSPS7 | MSRS7 | |
| None | \$9 | MSPS9 | MSRS9 | |

Pin Protection Skirt and Block Assemblies

| | | "A" Dimensi | ons in Inches |
|-----------------------|--------------|---------------------------------------|--------------------------------------|
| | Body Size | Block with Guide Pin and Socket | Block with Rotating Jackscrews |
| | 0.20 | MS-M, MSD-M, | MS-M, MSD-M, |
| | 14 | | - |
| | 20 | | |
| Pin Protection Skirt | 26 | | |
| and Block | 34 | 1.42 | 1.45 |
| | 42 | | |
| | 50 | | |
| | 75 | | |
| | 14 | | |
| | 20 | | |
| Pin Protection Skirt, | 26 | | |
| Suitcase Hood and | 34 | 2.76 | 3.65 |
| Block | 42 | | |
| | 50 | | |
| | 75 | | |

| | | "A" Dimensi | ons in Inches |
|------------------------------------------------------|----------------------|---------------------------------------|--------------------------------------|
| | Body Size | Block with Guide Pin and Socket | Block with Rotating Jackscrews |
| | Size | MS-M, MSD-M, | MS-M, MSD-M, |
| Pin Protection Skirt, | 14 20 26 | 2.24 | 2.24 |
| Pin Protection Skirt, Clamshell Hood and Block | 34 42 50 75 | 2.56 | 2.56 |
| | 14 | 1.90 | 1.90 |
| | 20 | 1.91 | 1.91 |
| Pin Protection Skirt, | 26 | 2.09 | 2.09 |
| Cable Clamp and Block | 34 42 50 75 | 2.12 | 2.12 |

Quick Disconnect and Block Assemblies

The Quick Disconnect latch is an effective method of positively connecting 14-50 place MS-M HYFEN plugs and receptacles.

The Quick Disconnect latch consists of a hooked spring on the plug and a retainer on the receptacle. When the plug and receptacle are mated, the spring snaps onto the retainer and locks the plug and receptacle together. The connector halves can be separated by depressing the latch springs.

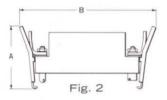
Material: Steel C1070 per MIL-S-

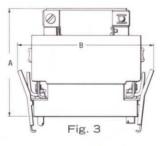
8143

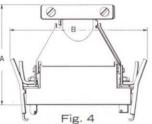
Finish: Nickel plate per QQ-N-290

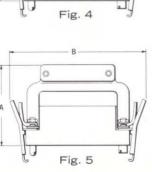
B D







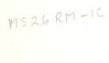






| | | Dimensions in In | ches |
|---------------------------------------|--------------|------------------|---------|
| Fig. 1 | Body Size | "A" max. | "B" max |
| | | MS-M, MSD-M | all |
| Quick Disconnect Latch Retainer | 14 | | 1.46 |
| with Block | 20 | | 1.77 |
| WICH DIOCK | 26 | | 1.83 |
| | 34 | .90 | 2.20 |
| | 42 | | 2.52 |
| | 50 | | 2.81 |
| Fig. 2 | 14 | | 2.09 |
| | 20 | | 2.40 |
| Quick Disconnect Latch Spring with | 26 | 1.42 | 2.46 |
| Block | 34 | 1.42 | 2.84 |
| DIUCK | 42 | | 3.14 |
| | 50 | | 3.43 |
| Fig. 3 | 14 | | 2.09 |
| luick Disconnect | 20 | 2.59 | 2.40 |
| | 26 | | 2.46 |
| Hood & Block | 34 | 2.59 | 2.84 |
| IIIUU & DIUCK | 42 | | 3.14 |
| | 50 | | 3.43 |
| Fig. 4 | 14 | | 2.09 |
| Quick Disconnect | 20 | 1.95 | 2.40 |
| Latch with Clam- | 26 | | 2.46 |
| shell Hood & Block | 34 | | 2.84 |
| DIOUR | 42 | 2.27 | 3.14 |
| | 50 | | 3.43 |
| | 14 | 1.66 | 2.09 |
| Fig. 5 | 20 | 1.00 | 2.40 |
| Quick Disconnect Latch with Cable | 26 | 1.83 | 2.46 |
| Ciamp & Block | 34 | | 2.84 |
| | 42 | 1.87 | 3.14 |
| | 50 | | 3.43 |

Dimensions in Inches



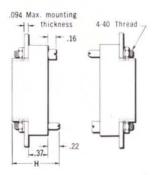




14-75 Place Blocks

Type MS-M, MSD-M

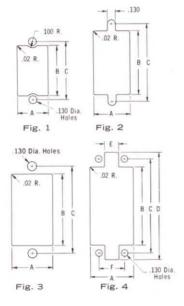
Block Size - All four block families have the same face dimensions. The number of contact positions given below must be used to complete the catalog numbers in the Ordering Chart on pages 8-9.



| Dissi | Max. "H" In. | | | | |
|-----------------|--------------------|----------------------------|--|--|--|
| Block Family | With Jackscrews | With Guide Pin & Socket | | | |
| MS-M | 1.13 | 1.10 | | | |
| MSD-M | 1.13 | 1.10 | | | |

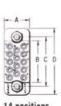
Panel Cutouts

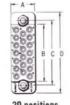
All four block families have the same cutout dimensions for blocks with the same number of contact positions. Alternate methods of mounting, slot or hole, are indicated in the table.

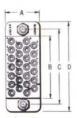


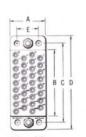
| No. of | Fig. | Dimensions in Inches | | | | | | |
|-----------|--------|----------------------|------|-------|------|-----|------|--|
| Positions | No. | A | В | C | D | E | F | |
| 14 | 1 or 2 | .49 | .82 | .937 | - | _ | _ | |
| 20 | 1 or 2 | .49 | 1.13 | 1.250 | - | - | _ | |
| 26 | 2 or 3 | .62 | 1.11 | 1.312 | = | _ | _ | |
| 34 | 4 | .78 | 1.44 | 1.686 | 1.94 | .25 | .468 | |
| 42 | 4 | .78 | 1.72 | 1.990 | 2.24 | .25 | .468 | |
| 50 | 4 | .78 | 2.03 | 2.281 | 2.53 | .25 | .468 | |
| 75 | 4 | 1.14 | 2.03 | 2.281 | 2.53 | .56 | .764 | |

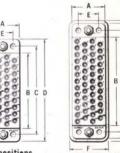
Plug and Receptacle **Dimensions**











14 positions

20 positions

26 positions

34 positions

42 positions

50 positions

| | Til |
|----------------------------------|---------|
| \$00000 \$00000 \$00000 | BCDG |
| 90000 90000 90000 | |
| ବ୍ୟୁ ବ୍ୟୁ ବ୍ୟୁ ବ୍ୟୁ ବ୍ୟୁ ବ୍ୟୁ | <u></u> |
| E E | |

| No. of | | | Dime | nsions in l | nches | | |
|-----------|------|------|-------|-------------|-------|------|------|
| Positions | A | В | C | D | E | F | E |
| 14 | .46 | .79 | .937 | 1.25 | - | - | - |
| 20 | .46 | 1.10 | 1.250 | 1.56 | - | _ | _ |
| 26 | .59 | 1.07 | 1.312 | 1.62 | _ | - | _ |
| 34 | .75 | 1.41 | 1.686 | 2.00 | .468 | _ | _ |
| 42 | .75 | 1.69 | 1.990 | 2.31 | .468 | 1 | |
| 50 | .75 | 2.00 | 2.281 | 2.59 | .468 | .87 | 2.72 |
| 75 | 1.11 | 2.00 | 2.281 | 2.59 | .764 | 1.23 | 2.72 |

Ordering Chart For 14-75 Place Blocks

| | Page for | Number of Positions "" | all block families. Fill in ': 14, 20, 26, 34, 42, 50, 75 |
|---------------------------------------------------------------------------------------|-------------|------------------------|--------------------------------------------------------------|
| Each Receptacle will mate with one of three Plug configurations | | Block: MS-M | MSD-M |
| | Assy's | Contact: p30-36 | p30-36 |
| Receptacle assembled with guide pin & socket | 7 | MSRM1 | MSDRM1 |
| Plug assembled with guide pin & socket | 7 | MSPM1 | MSDPM1 |
| Plug assembled with guide pin & socket & clamshell hood | 4 | MSPM120 | MSDPM120 |
| Plug assembled with guide pin & socket & suitcase hood | 3 | MSPM820 | MSDPM820 |
| Plug assembled with guide pin & socket & cable clamp | 4 | MSPM269 | MSDPM269 |
| Receptacle assembled with guide pin & socket & quick disconnect atch retainer | 6 | MSRM1C | MSDRM1C |
| Plug assembled with guide pin & socket & quick disconnect spring | 6 | MSPM1L | MSDPM1L |
| Plug assembled with guide pin & socket, quick disconnect atch spring & clamshell hood | 6 | MSPM120L | MSDPM120L |
| Plug assembled with guide pin & socket, quick disconnect atch spring & suitcase hood | 6 | MSPM820L | MSDPM820L |
| Plug assembled with guide pin & socket, quick disconnect atch spring & cable clamp | 6 | MSPM269L | MSDPM269L |
| Receptacle assembled with guide pin & socket, pin protection skirt | 5 | MSRM1S9 | MSDRM1S9 |
| Plug assembled with guide pin & socket, pin protection skirt & clamshell hood | 5 | MSPM120S9 | MSDPM120S9 |
| Plug assembled with guide pin & socket, pin protection skirt & suitcase hood | 5 | MSPM820S9 | MSDPM820S9 |
| Plug assembled with guide pin & socket, pin protection skirt & cable clamp | 5 | MSPM269S9 | MSDPM269S9 |



| | Page | Catalog Numbers for Number of Positions " | all block families. Fill in -": 14, 20, 26, 34, 42, 50, 75 |
|---------------------------------------------------------------------------|--------|----------------------------------------------|------------------------------------------------------------|
| Each Receptacle will mate with one of three Plug configuration | 1,55 | Block: MS-M | MSD-M |
| | Assy's | Contact: p30-36 | p30-36 |
| Receptacle assembled with keyed jacks | 7 | MSRM58 | MSDRM58 |
| Plug assembled with rotating jacks | 7 | MSPM57 | MSDPM57 |
| Plug assembled with rotating jacks & clamshell hood | 5 | MSPM124 | MSDPM124 |
| Plug assembled with rotating jacks & suitcase hood | 3 | MSPM824 | MSDPM824 |
| Plug assembled with rotating jacks & cable clamp | 4 | MSPM118 | MSDPM118 |
| Receptacle assembled with keyed jacks & pin protection skirt | 5 | MSRM58S9 | MSDRM58S9 |
| Plug assembled with rotating jacks, pin protection skirt & clamshell hood | 5 | MSPM124S9 | MSDPM124S9 |
| Plug assembled with rotating jacks, pin protection skirt & suitcase hood | 5 | MSPM824S9 | MSDPM824S9 |
| Plug assembled with rotating jacks, pin protected skirt & cable clamp | 5 | MSPM118S9 | MSDPM118S9 |

^{&#}x27;Plug and receptacle configurations may be reversed by changing the "P" in the plug catalog number to "R" and the "R" in the receptacle to "P".

Special Purpose Hardware

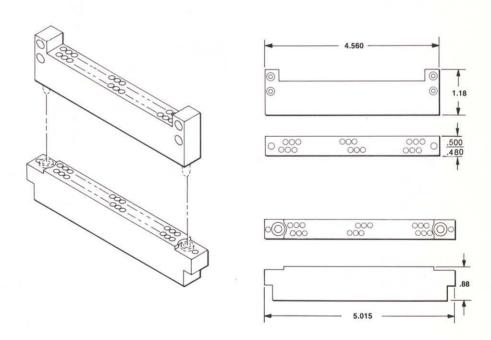
| Hardware | Block | Catalog Numbers of Block and Hardware Assemblic | | | |
|-------------------------------------------------------------------------------|------------|-------------------------------------------------|---------|--|--|
| Hardware | BIOCK | MS-M | MSD-M | | |
| | Plug | MSPM61 | MSDPM61 | | |
| Guide Pin & Socket for .188 thick (max.) panel (standard .094" thick, page 3) | Receptacle | MSRM61 | MSDRM61 | | |
| | Plug | MSPM60 | MSDPM60 | | |
| Guide Socket with spring for grounding thru guide hardware | Receptacle | MSRM60 | MSDRM60 | | |
| | Plug | MSPM31 | MSDPM31 | | |
| Guide Pin with small shoulder diameter to provide added polarizing variables | Receptacle | MSRM31 | MSDRM31 | | |

Trim Trio 50 Position Printed Circuit Board Connector

Catalog Number MS2P50 P/R-2



Connecter plug is mechanically fastened to board and mates surely and reliably with cable-hung receptacle.





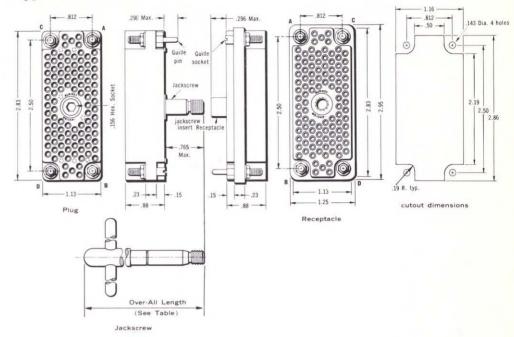


104 Position Block

This connector enables the user to accommodate 104 contacts in a single unit. These contacts may be any combination of subminiature coaxial contacts and #16 machined and formed contacts.

The plugs and receptacles are molded of diallyl phthalate per MIL-M-14, type SDG. The jackscrews and related hardware are machined of non-magnetic, passivated stainless steel. The molded in mounting ferrules in both the plug and receptacle are brass, cadmium plated.

Type MSD104-M



Performance Characteristics

Contact rating 13 amperes
Operating voltage 750 volts AC 60 cycles
Operating temperature — 55°C to
+125°C

Contact voltage drop (Max.) 23 millivolts machined — 25 millivolts formed

Insulation resistance 5000 megohms minimum

Test potential (1 Min. duration) 2000 volts AC 60 cycles

Contact retention in panel (Min.) 25 lbs. machined, 15 lbs. formed after 10 insertions and withdrawals Crimp joint characteristics machined meet requirements of MIL-C-22857 — formed, MIL-T-7928

Corrosion salt spray per MIL-STD-202 Method 101

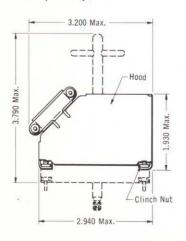
Moisture resistance machined per MIL-STD-202 Method 106 — formed 240 hours at 40°C, 90-95% RH

Vibration resistance per MIL-STD-202 Method 204

Shock per MIL-STD-202 Method 207

Type MSH104M-1

A combination hood and cable clamp assembly has been designed for the MSD104PM-410 and MSD104PM-494 connectors. Unlike the other accessories, this one is not pre-assembled by Burndy to the connector panel but must be ordered separately.



Ordering Chart for MSD104-M

| MSD104PM — (Plug) Catalog Number | Orientation of Guide Pins | Type of Jackscrew | Overall Length of Winged Jackscrew | MSD104RM — (Receptacle) Catalog Number |
|-------------------------------------|---------------------------------|-------------------------|------------------------------------------|----------------------------------------------|
| MSD104PM-401 | None | Hex-Socket | | MSD104RM-402 |
| MSD104PM-410 | None | Winged | 4.520 max. | MSD104RM-402 |
| MSD104PM-415 | A, D | Hex-Socket | - | MSD104RM-416 |
| MSD104PM-487 | A, B, C, D | Winged | 3.020 max. | MSD104RM-489 |
| MSD104PM-488 | A, B, C, D | Winged | 3.520 max. | MSD104RM-489 |
| MSD104PM-494 | A, B, C, D | Winged | 4.520 max. | MSD104RM-489 |

152 Position Block

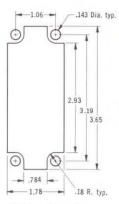
This connector enables the user to accommodate 152 contacts in a single unit. The plug will accept any combination of the No. 16 machined or formed sockets and the RCDX-2 subminiature coaxial female contact assemblies. The receptacle will accept any combination of the No. 16 machined or formed pins and the RMDX-2 subminiature coaxial male contact assemblies.

In addition, the MB152-4 connector will mate with existing equivalent crimp and solder-type connectors.

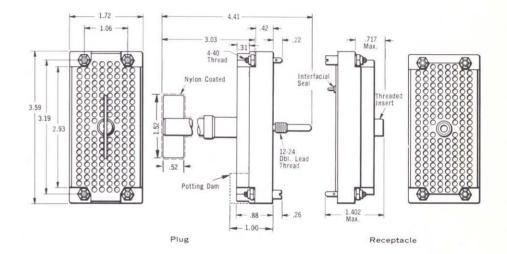
Plugs and receptacles are molded of glass-filled phenolic (MIL-M-14F, Type MFH). Nonreversible pin and socket polarizing guides and jackscrews prevent misalignment and mismatching. A center jackscrew provides ease of connection and disconnection while maintaining positive engagement through severe environmental stresses. Jackscrew hardware and guide pins and sockets are machined of passivated stainless steel.

Optional accessories, which must be ordered separately, include a nylon potting dam (catalog number MB152P-2P2) for the plug and a silicone rubber interfacial seal (catalog number MB152P-2P5) for the receptacle. The interfacial seal can not be used with subminiature coaxial contacts.





cutout dimensions



Performance Characteristics

Contact rating 13 amperes

Operating voltage 750 volts AC 60 cycles

Operating temperature -55° C to $+125^{\circ}$ C

Contact voltage drop (Max) 23 millivolts machined; 25 millivolts formed

Insulation resistance 5000 megohms minimum

Test potential (1 minute duration)
2000 volts AC 60 cycles

Contact retention in panel 25 lbs. machined, 15 lbs. formed after 10 insertions and withdrawals Crimp joint characteristics machined meet requirements of MIL-C-22857; formed, of MIL-T-7928

Corrosion salt spray per MIL-STD-202, method 101

Moisture resistance withstands 750 volts AC for 5 minutes

Vibration resistance per MIL-STD-202, Method 204

Shock per MIL-STD-202, Method 207



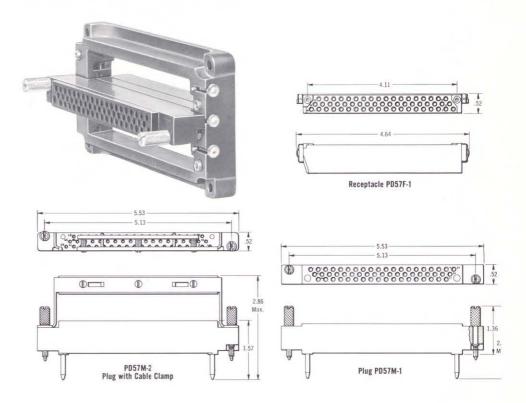


PD57 Modular Connector

The PD57 combines the convenience and flexibility of the modular concept with the reliability and ease of crimp-type snap-locked contacts. The PD modular line consists of glass filled molded inserts with gold plated contacts in a high impact strength, die-cast anodized aluminum frame. The frames are available in 3, 5, 8, or 12 insert models. All frames accept inserts from either front or rear of the mounting panel.

There are four different inserts that can be arranged within a frame to suit your particular cable requirements. The PD57, for subminiature coaxial contacts and #16 machined and formed contacts, .062 diameter, is described below. Details on the other three inserts are in catalog RP70. These inserts are the PD35 which accepts 35 power contacts, .040 diameter; the PD10X which accommodates 10 standard coaxial contacts; and the PD21MX which has 21 positions for miniature coaxial contacts.

The PD57 is made of high dielectric strength glass-filled phenolic per MIL-M-14 type MFH. It has a tin plated beryllium copper clip on the receptacle that grounds it to the frame. Polarizing guide pins engage before the contact and jackscrews on both ends fasten the plug to the frame. Commoning busses, this page, are available for two, three and six commoning positions.



Performance Characteristics

Contact Rating: 13 amperes

Operating Voltage: 750 volts AC 60 cycles Operating Temperature: -55° C to $+125^{\circ}$ C

Contact Voltage Drop (max.): 23 millivolts

(machined) 25 millivolts (formed)

Insulation Resistance (min.): 5000 megohms
Test Potential (1 min. duration): 2000 volts
AC 60 cycles

Contact retention in panel (min.): 25 lbs. (machined) 15 lbs. (formed) after 10 insertions and withdrawals Contact Mating Forces: 102 lbs.

Crimp Joint Characteristics: Machined meet requirements of MIL-C-22857, formed of MIL-T-7928

Corrosion: salt spray per MIL-STD-202 method 101

Moisture Resistance: Machined per MIL-STD-202 method 106 Formed, 240 hrs. at 40°C 90-95% R.H.

Vibration Resistance: per MIL-STD-202 method 204

Shock: per MIL-STD-202, method 207

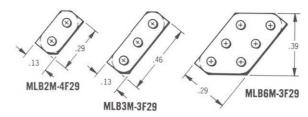
Durability: 500 cycles of mating & unmating

Material

Buss: Copper ASTM152 Pin: Phosphor Bronze

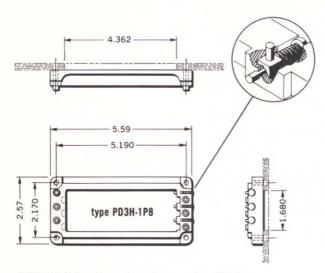
Installation is done by crimping wires in sockets, inserting sockets into panel, and inserting buss into sockets which require commoning.

Commoning Buss

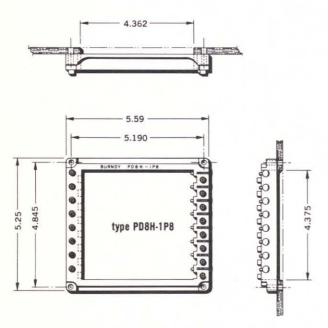


Frames for Modular Connector Type PD

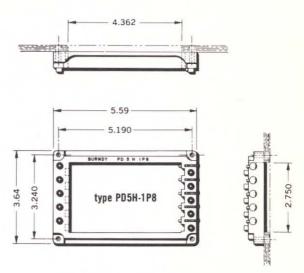
Die-cast anodized aluminium alloy frames allow receptacles to be inserted from either front or rear of mounting panel. Locking plungers hold each receptacle insert in place, and permit its ready removal. Design has withstood tests for high impact shock up to 2000 foot lbs. (detail in circle shows spring loaded locking plunger in place). Frames are available for 3, 5, 8, or 12 inserts.



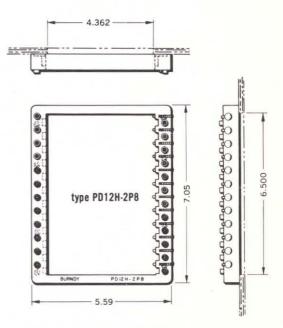
PD3H-1P8 for three inserts mounts with four no. 8 screws on $5.19^{\prime\prime}$ x $2.17^{\prime\prime}$ centers. Panel cutout dimensions are $4.36^{\prime\prime}$ x $1.68^{\prime\prime}$.



PD8H-1P8 for eight inserts mounts with four no. 8 screws on 5.19" x 4.84" centers. Panel cutout dimensions are 4.36" x 4.38".



PD5H-1P8 for five inserts mounts with four no. 8 screws on 5.19" x 3.24" centers. Panel cutout dimensions are 4.36" x 2.75".



PD12H-2P8 for twelve inserts mounts with eight no. 8 screws. Panel cutout dimensions are 4.36" x 6.50".

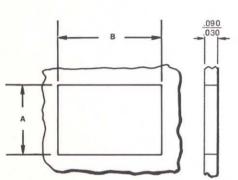




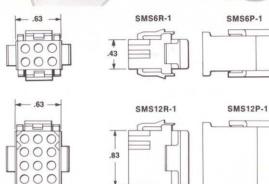
QIKMATE Self-Mounting Connector

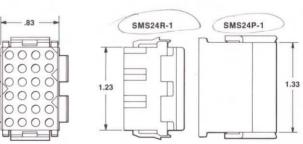
Available in 6, 12, 24 and 36 contact positions. Receptacles snap-lock into panel cutouts and plugs quickconnect and quick-disconnect with positive retention locks. Plugs also feature pin-protection skirts and positive polarization. Qikmate plugs are available with accessary strainrelief hoods.

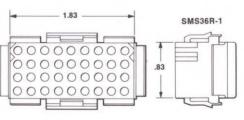


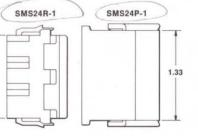


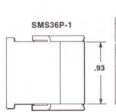
| RECEPTACLE CONNECTOR CATALOG NUMBER | DIM. A | DIM. B |
|-------------------------------------|--------|--------|
| SMS6R-1 | .655 | .650 |
| SMS12R-1 | .655 | 1.050 |
| SMS24R-1 | .855 | 1.450 |
| SMS36R-1 | 1.050 | 1.855 |











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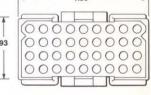
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.53

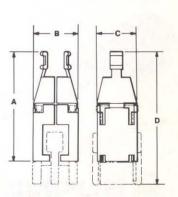
.93



QIKMATE Strain Relief Hoods

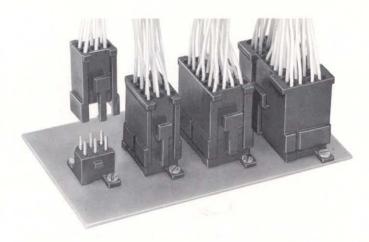


| Qikmate | | | Recommended | Dimensions in Inches | | | | | |
|---------------------|-------------|-------------|---------------------|----------------------|-------|------|-------|--|--|
| Contact Position | Catalog No. | Wire Bundle | UNIRAP Cable Tie | A | В | С | D | | |
| 6 | SMS6H-1 | .090325 | TF4 | 1.804 1.764 | .760 | .63 | 2.205 | | |
| 12 | SMS12H-1 | .120400 | TF5 | 1.754 1.714 | .775 | 1.02 | 2.165 | | |
| — 24 | SMS24H-1 | .180500 | TF5 | 1.969 1.929 | .960 | 1.43 | 2.370 | | |
| 36 | SMS36H-1 | .275625 | TF5 | 2.256 2.216 | 1.960 | 1.03 | 2.65 | | |

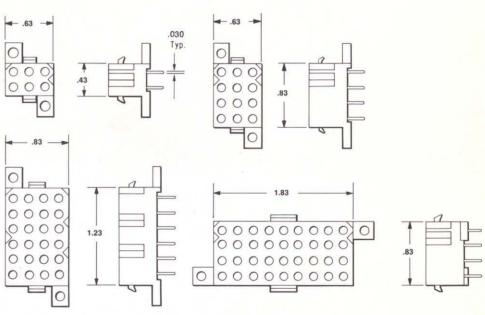


QIKMATE Boardmount Connectors

Receptacle blocks are available with or without mounting flanges for auxiliary hardware (mechanically fastened to PC board and then wave or dip soldered.) Plug connectors are standard Qikmate type. Qikmate Boardmount connectors feature positive, quick connect/quick disconnect latches and error free polarization. Housings are supplied pre-assembled with either pin or socket contact.



Available in, 6, 12, 18, 24, and 36 positions.



How to order R/RE SMS For use with all Trim Trio contacts. Qikmate Rectangular Must be used with Qikmate recconnector Contact Positions Receptacle -R-Without mounting flange RE-With mounting flange 3-Supplied with socket contacts 4-Supplied with pin contacts Contact Plating -

NORWALK, CONN. 06856

QIKMATE EXTRACTION

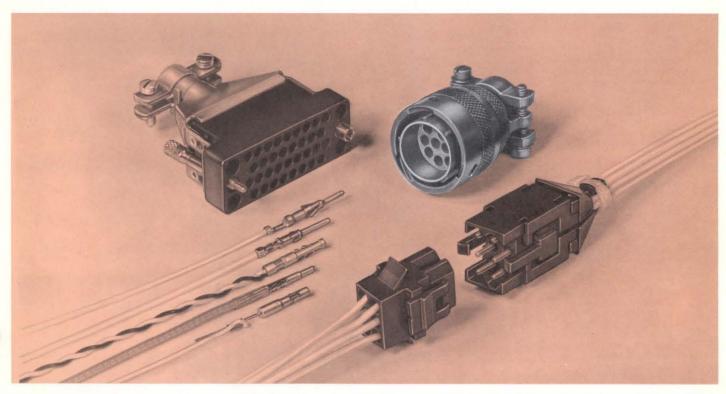
tangular connectors.

TOOL **RX16 D11**

Contact Plating Table D27 .000005 min. gold over .00020 min. silver D29 .000030 min. gold over .00020 min. silver TK2 Tin Plated

(See table)





Trim Trio Round connectors are available in a full range of sizes, styles and termination to fit every application. Sizes range from 4 to 48 contact positions. 9 shell styles are available with 4 terminations including general duty, strain relief, potting boot and 90° elbow.

Performance Characteristics

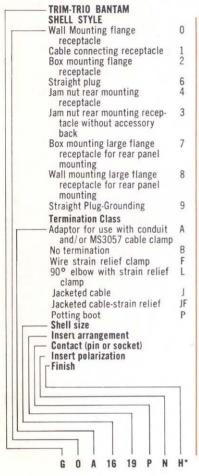
Operating Temperature Insulation Resistance Test Potential — Dielectric Withstanding Voltage Contact Retention

Corrosion

Vibration Resistance Shock Durability -55° C to $+125^{\circ}$ C 5000 megohoms

2000 VAC, 60 HZ for X minutes?
25 lbs. (machined)
15 lbs. (formed)
Salt spray per MIL-STD-202, method
101
per MIL-STD-202, method 204
per MIL-STD-202, method 207
500 Cycles

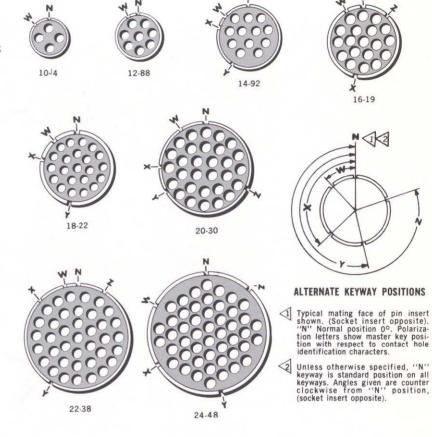
How to Order



MIL-C-26482 Equivalent (Reference) SHELL CONFIGURATIONS MS 3120 MS 3121 MS 3122 MS 3126 MS 3124

MS 3127

MS:3128



*FINISH

- H Cadmium plate with olive drab chromate conversion coating as specified in MIL-C-26482
- E Cadmium plate with clear chromate conversion coating.

| CHELL CIZE | ADDANG NO | INCEDT CATALOG NO | INSERT | POSIT | ION IN | SHELL |
|------------|-------------|--------------------|--------|-------|--------|-------|
| SHELL SIZE | ARRANG. NO. | INSERT CATALOG NO. | W | Х | Υ | Z |
| 10 | 4 | G10-4 P/S | 45° | _ | _ | - |
| 12 | 88 | G12-88 P/S | 26° | - | - | = |
| 14 | 92 | G14-92 P/S | 49° | 71° | 145° | - |
| 16 | 19 | G16-19 P/S | 30° | 165° | | 315° |
| 18 | 22 | G18-22 P/S | 39° | 77° | 167° | _ |
| 20 | 30 | G20-30 P/S | 34° | 90° | 123° | 259° |
| 22 | 38 | G22-38 P/S | 15° | 47° | 150° | 331° |
| 24 | 48 | G24-48 P/S | 60° | 120° | 189° | 315° |



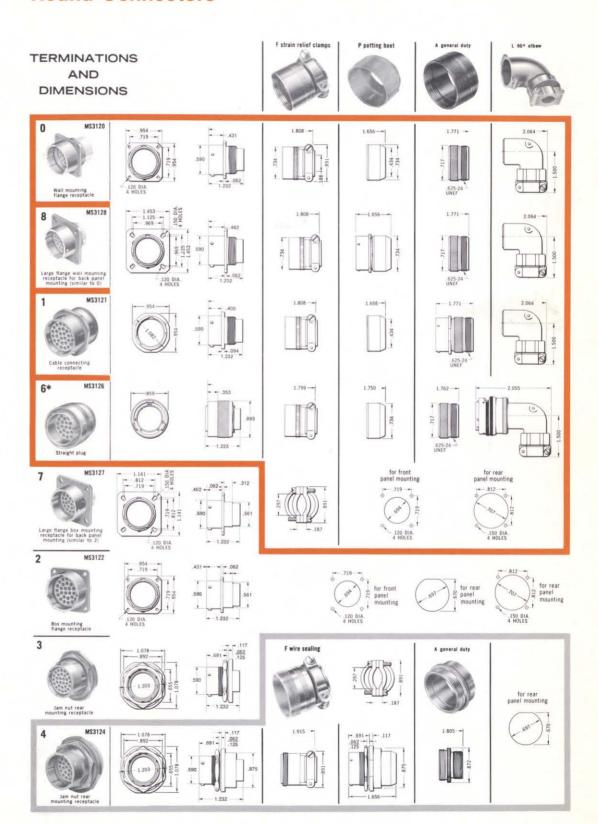


Shell Size

10

Trim Trio
Round
Connectors





^{*}Available with grounding finger - shell style 9.

12 Trim Trio Round Connectors



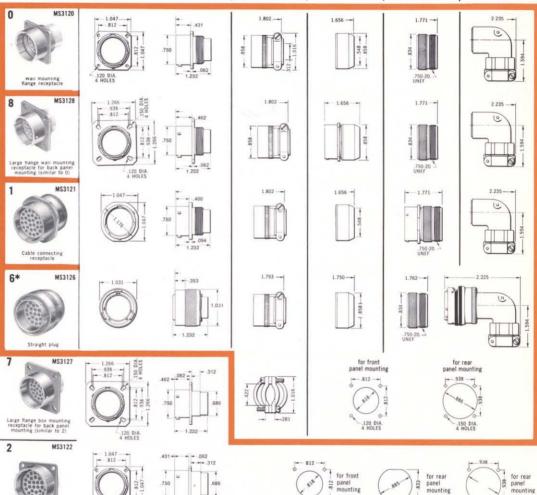
TERMINATIONS AND DIMENSIONS

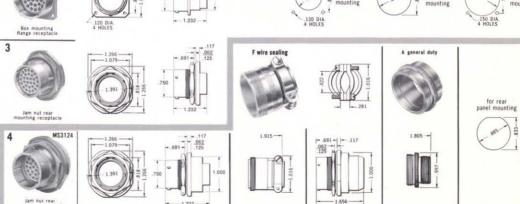












*Available with grounding finger - shell style 9.

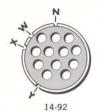


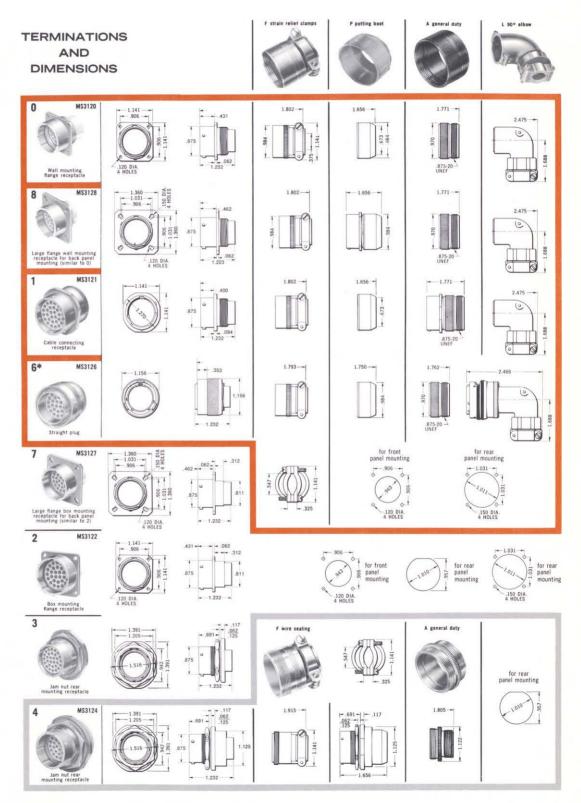


Shell Size

14

Trim Trio
Round
Connectors





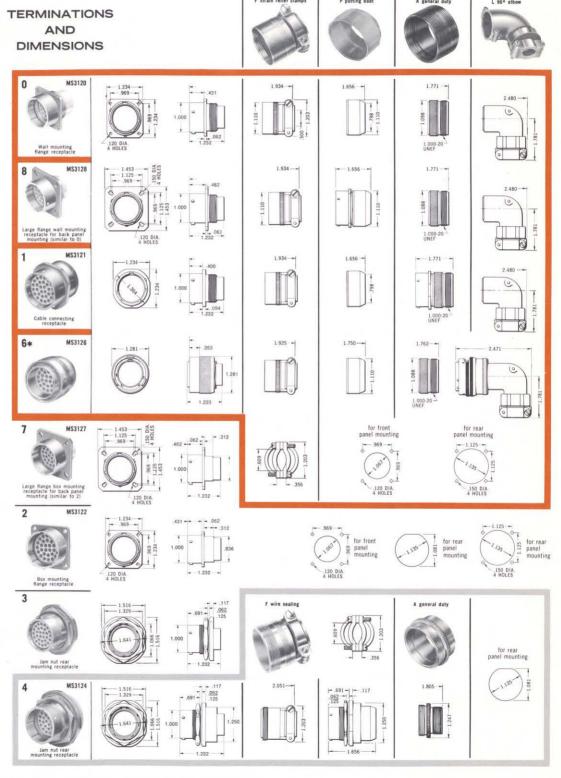
^{*}Available with grounding finger — shell style 9.

Shell Size

16

Trim Trio
Round
Connectors





*Available with grounding finger — shell style 9.



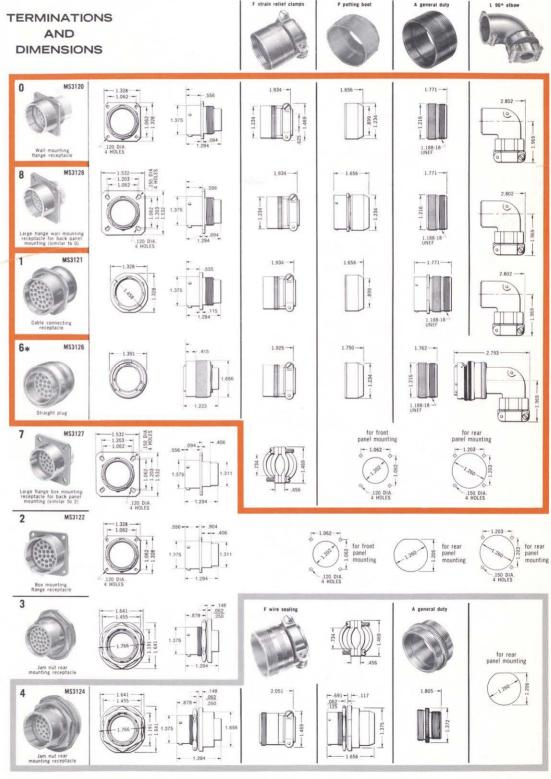


Shell Size

10

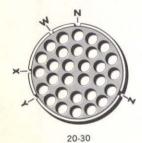
Trim Trio
Round
Connectors

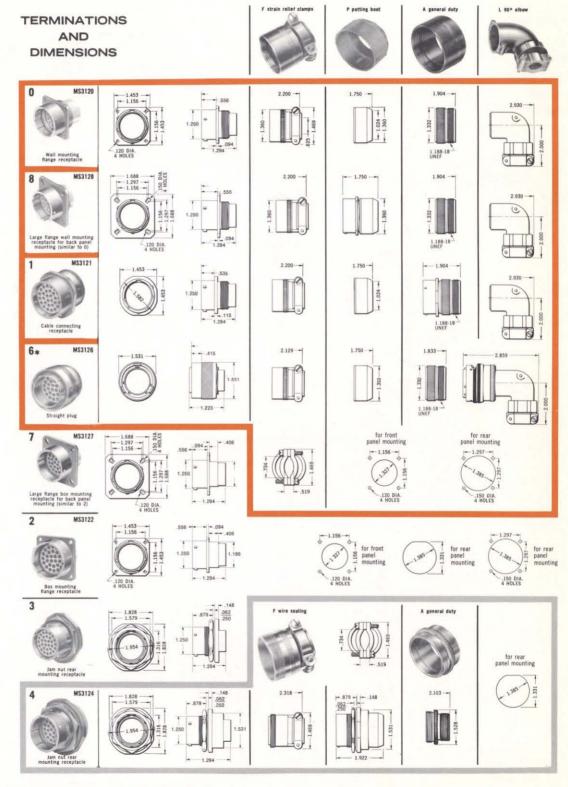




^{*}Available with grounding finger — shell style 9.

20
Trim Trio
Round
Connectors



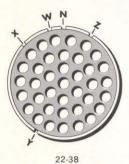


*Available with grounding finger — shell style 9.





22
Trim Trio
Round
Connectors



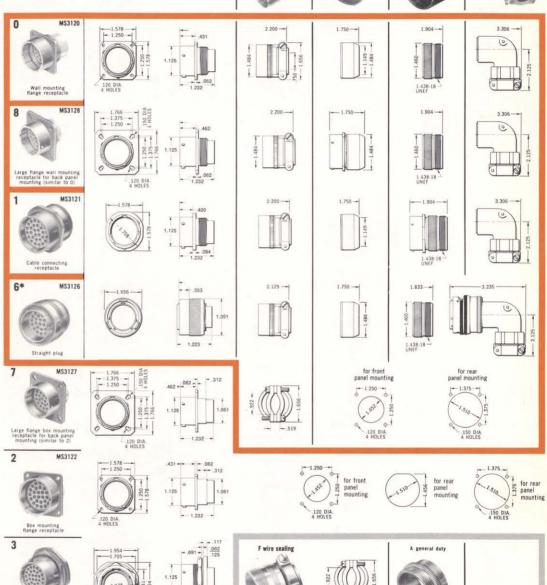
TERMINATIONS AND DIMENSIONS











Jam nut rear unting receptacle

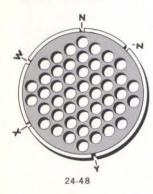
^{*}Available with grounding finger - shell style 9.

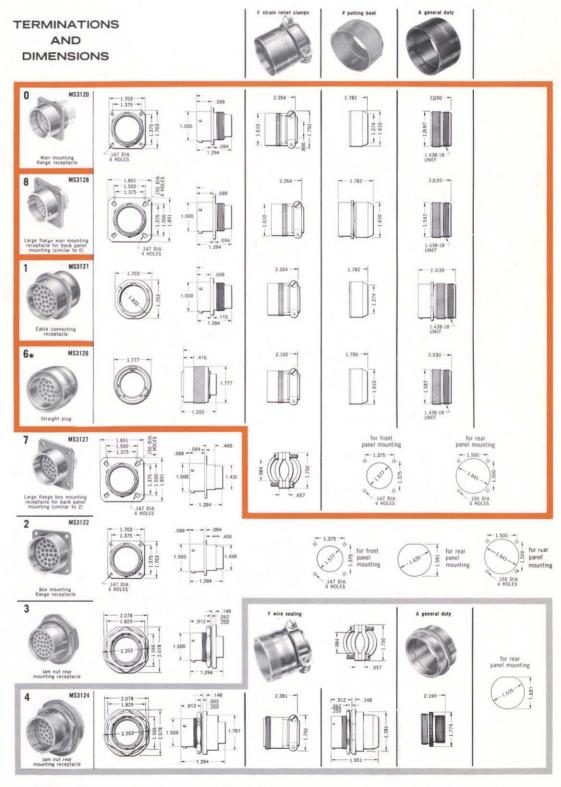
Shell Size

24

Trim Trio
Round

Connectors



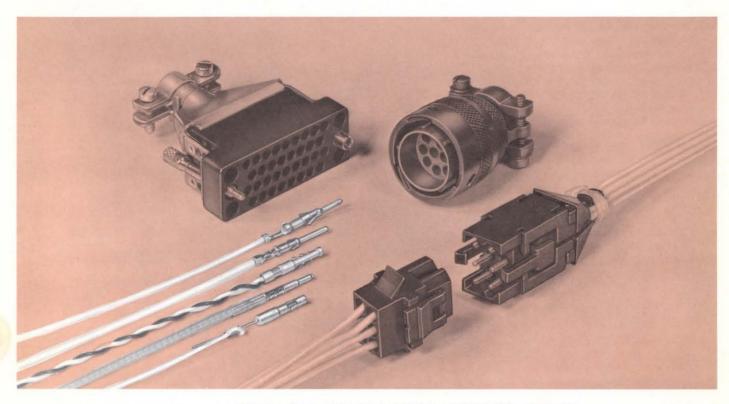


^{*}Available with grounding finger - shell style 9.





Power and Coax Contacts



Choose from any of the full line of Trim Trio contacts:

- · Machined power contacts
- strip formed power contacts (gold or tin-plated)
- strip-formed one-piece contacts (tin-plated)
- submin coax or twisted pair contacts (one-piece or multi-piece)

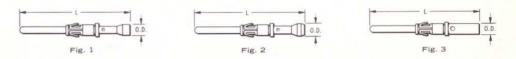
Any Trim Trio contact can be used in any contact position in any Trim Trio rectangular, Qikmate or round connector.

Complete installation tooling from simple hand tools to automatic systems is shown on pages 37 and 38.

TRIM TRIO Catalog CG 116 Dec. 1973 Page 30

Pins and sockets are made of high conductivity copper alloy. Springs on both contacts are made of spring-temper, heat-treated, nickelplated beryllium copper. The socket spring supplies high contact pressure to ensure low resistance contact between pin and socket. The socket contact features closed entry to prevent probe damage. Barrels on both contacts have insulation grips for vibration support. They also have a cable stop and inspection hole. Contacts are furnished gold plated. See Fig. 4 for socket with solderless wrap post.

No. 16 Machined Contacts, .0625 Diameter for Trim Trio Connectors



pins

| Pin | Wire Size+ | | ble ation | Contact | | | nensions Inches | ; | Inst | allation To | ols | |
|------|-----------------------------------------------------------------------------|------|--------------|-----------------|------|-----------------|--------------------|------|---------------------|---------------------|-----------------|---------------------------------|
| Dia. | and Type | Acc | | Catalog | Fig. | Cable | Indica | 1 | M8ND/Y8ND | M1 | 0S-1 | Extraction |
| Diu. | unu typo | Max. | Min. | Number* | | Strip Length | L | 0.D. | Die Set Cat. No. | Die Set Cat. No. | Stop Bushing | 1001 |
| .062 | 28 (7) Str. per MIL-W-16878 Type B or 30 solid per MIL-W-76 Type L.W. | .037 | .031 .028 | RM28M-1 | 1 | .187 | 1.02 | .076 | NOADT 10 | S-9 | | |
| .062 | 26 per MIL-W-16878 or 24 per MIL-W-16878 or MIL-W-76 | .062 | .035 | RM24M-9 | 1 | .188 | 1.02 | .101 | N24RT-10 | 2-9 | SL-40 | RX20-25 |
| .062 | 22 per MIL-W-16878 or MIL-W-5086 or 20 per MIL-W-16878 | .062 | .046 | RM20M-13 | 2 | .188 | 1.02 | .116 | N20RT-30 | S-10 | | or RXK20-25 or RX16-11 |
| .062 | 22-20 per MIL-W-16878, MIL-W-76 or MIL-W-5086 | .090 | .060 | RM20M-12 | 2 | .188 | 1.02 | .116 | | | | |
| .062 | 20-16 per MIL-W-16878, MIL-W-76 or MIL-W-5086 | - | -7 | RM16M-23 | 3 | .281 | 1.02 | .101 | N16RT-21 | \$3-1 | SL-39 | |
| -062 | #28-30 sol Solderless Wra | р | / | RM20M- 12G-4 | 4 | - | 1.81 | | 025 Sq. Post | | | |
| .062 | .036 Solder Post | | / | RM20M- 12G-8 | - | _ | 1,37 | | Solder Pr | Solder Post | | |



sockets

| Socket | Wire Size+ | | ble ation | Contact | | | ensions Inches | | Inst | allation To | ols | |
|--------------|-----------------------------------------------------------------------------|------|--------------|------------|------|-----------------|-------------------|------|---------------------|---------------------|-----------------|---------------------------------|
| (Pin Dia. | and Type | | om. | Catalog | Fig. | Cable | | | M8ND/Y8ND | M1 | DS-1 | Extraction Tool |
| Accom.) | and type | Max. | Min. | Number* | | Strip Length | L | 0.D. | Die Set Cat. No. | Die Set Cat. No. | Stop Bushing | 1,00 |
| .062 | 28 (7) Str. per MIL-W-16878 Type B or 30 solid per MIL-W-76 Type L.W. | .037 | .031 | RC28M-1 | 1 | .187 | .71 | .076 | N24RT-10 | S-9 | | |
| .062 | 26 per MIL-W-16878 or 24 per MIL-W-16878 or MIL-W-76 | .062 | .035 | RCM24M-9 | 1 | .188 | .71 | .101 | N24K1-10 | 2-9 | SL-40 | RX20-25 |
| .062 | 22 per MIL-W-16878 or MIL-W-5086 or 20 per MIL-W-16878 | .062 | .046 | RC20M-13 | 2 | .188 | .71 | .116 | N20RT-30 | S-10 | | or RXK20-25 or RX16-11 |
| .062 | 22-20 per MIL-W-16878, MIL-W-76 or MIL-W-5086 | .090 | .060 | RC20M-12 | Z2 | .188 | .71 | .116 | | | | |
| .062 | 20-16 per MIL-W-16878, MIL-W-76 or MIL-W-5086 | - | -1 | RC16M-23 | /3 | .281 | .71 | .101 | N16RT-21 | S3-1 | SL-39 | |
| .062 | #28-30 sol Solderless Wra | р | / | RC20M-12G4 | 4 | - | 1.50 | | .025 Sq. F | 'ost | | |
| .062 | .036 Dia Solder Post | / | | RC20M-12G8 | = | - | .84 | | Solder Po | st | | |

+Wire types other than those noted may also be accommodated by contacts above. Consult Burndy, giving wire particulars.

*Contacts installed by the HYPRESS YD2-1 (catalog number preceded by M-) are furnished in expendable plastic carry strips.

Contacts installed by the BANDOMATIC (catalog number prefixed C-) are furnished on reels.



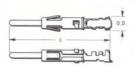


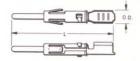


No. 16 Formed Contacts, .0625 Diameter-Strip Fed for Trim Trio Connectors

Strip -feed No. 16 HYFEN contacts, .0625 diameter, are formed of sheet, copper base alloy and are gold or tin plated. The contact retaining spring forms a closed entry cup on the socket. Four size contacts accommodate No. 14 through No. 26 wire, solid or stranded. Contacts are packaged 3,000 to a reel, allowing long runs between loading on the HYFEMATIC automatic installation machine.





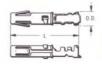


pins

Fig. 1

Fig. 2

| | Pin | Wire Size+ | | | ble ation | Contact Ca | Contact Catalog Number | | Dimensions in Inches | | Installation Tools | | Extraction |
|------|------|------------|---|-------------|--------------|----------------|------------------------|--------------------------|-------------------------|------|----------------------------------|-----------------------------|------------|
| Fig. | Dia. | and Type | | Acc Max. | Om. Min. | Gold Plated | Tin Plated | Cable Strip Length | L | 0.D. | M8ND/Y8ND Die Set Cat. No. | UTM-2 Crimp Mechanism | Tool |
| 1 | .062 | 26-24 AWG | | .062 | .035 | SM24M-1 | SM24M-ITK6 | .156 | 1.05 | .128 | N24RT-11 | CM11G1 | RX20-25 |
| 1 | .062 | 22-20 AWG | V | .082 | .046 | SM20M-1 | SM20M-ITK6 | .156 | 1.05 | .139 | N20RT-29 | CM11G1 | 01 |
| 2 | .062 | 18-16 AWG | V | .125 | - | SM16M-1 | SM16M-ITK6 | .250 | 1.05 | .12 | N16RT-24 | CM11 | RXK20-25 |
| 2 | .062 | 14 AWG | Y | .125 | _ | SM14M-1 | SM14M-ITK6 | .250 | 1.05 | .13 | N14RT-13 | CM11 | RX16-11 |





sockets

Fig. 1

Fig. 2

| | Socket | Wire Size† | | ble ation | Contact Cat | alog Number | | Dimensions in Inches | S | Installation Tools | | Extraction |
|------|-------------------------|------------|-------------|--------------|----------------|---------------|--------------------------|-------------------------|------|----------------------------------|-----------------------------|------------|
| Fig. | (Pin Dia. Accom.) | and Type | Acc Max. | OM. Min. | Gold Plated | Tin Plated | Cable Strip Length | L | 0.D. | M8ND/Y8ND Die Set Cat. No. | UTM-2 Crimp Mechanism | Tool |
| 1 | .062 | 26-24 AWG | .062 | .035 | SC24M-1 | SM24M-ITK6 | .156 | .71 | .128 | N24RT-11 | CM11G1 | RX20-25 |
| 1 | .062 | 22-20 AWG | .082 | .046 | SC20M-1 | SC20M-ITK6 | .156 | .71 | .139 | N20RT-29 | CM11G1 | 10 |
| 2 | .062 | 18-16 AWG | .125 | - | SC16M-1 | SC16M-ITK6 | .250 | .71 | .12 | N16RT-24 | CM11 | RXK20-25 |
| 2 | .062 | 14 AWG | .125 | -/ | SC14M-1 | SC14M-ITK6 | .250 | .71 | .13 | N14RT-13 | CM11 | RX16-11 |

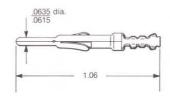
⁺Wire types other than those listed may also be accommodated by contacts above. Consult Burndy, giving wire particulars.

^{*}Contacts are furnished on a strip to be installed by the HYFEMATIC automatic installation machines.

No. 16 Strip Formed One-Piece Power Contacts

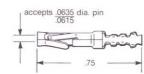
Low-cost one-piece contacts are formed of brass and available with tin or gold plate finishes. Three sizes accommodate #16 stranded through #26 solid or stranded. They are supplied 3,000 to a reel and installed with the Burndy Hyfematic installation machine.





PINS

| | | N. | | Install Too | | |
|---------------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|---------------------|
| | Insulation Range | Catalog Number | Plating | M8ND/Y8ND Die Set | UTM-2 Crimp Mechanism | Extraction Tools |
| #24- #26 Sol & STR. | .038''062'' | SM24M-6D29 | .000005 min. gold over .00020 silver .000030 min. gold over .00020 silver .000050 min. gold over .000075 nickel Tin Plate | N24RT-11 | CM11G1 | 7 |
| #20- #22 Sol & STR. | .046′′082′′ | SM20M-6D29 | .000005 min. gold over .00020 silver .000030 min. gold over .00020 silver .000050 min. gold over .000075 nickel Tin Plate | N20RT-29 | CM11G1 | RX16-D11 |
| #16- #18 STR. | _ | SM16M-6D29 | .000005 min. gold over .00020 silver .000030 min. gold over .00020 silver .000050 min. gold over .000075 nickel Tin Plate | N16RT-24 | CM11 | |



SOCKETS



| Wire Insulation Range Range | | | | Install Too | | |
|-----------------------------|-------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------|
| | Catalog Number | Plating | M8ND/Y8ND Die Set | Crimn | | |
| #24- #26 Sol & STR. | .035''062'' | SC24M-6D27 SC24M-6D29 SC24M-6D45 SC24M-6TK6 | .000005 min. gold over .00020 silver .000030 min. gold over .00020 silver .000050 min. gold over .000075 nickel Tin Plate | N24RT-11 | CM11G1 | |
| #20- #22 Sol & STR. | .046′′082′′ | SC20M-6D27 SC20M-6D29 SC20M-6D45 SC20M-6TK6 | .000005 min. gold over .00020 silver .000030 min. gold over .00020 silver .000050 min. gold over .000075 nickel Tin Plate | N2ORT-29 | CM11G1 | RX16-D11 |
| #16-#18 STR. | _ | SC16M-6D27 SC16M-6D29 SC16M-6D45 SC16M-6TK6 | .000005 min. gold over .00020 silver .000030 min. gold over .00020 silver .000050 min. gold over .000075 nickel Tin Plate | N16RT-24 | CM11 | |

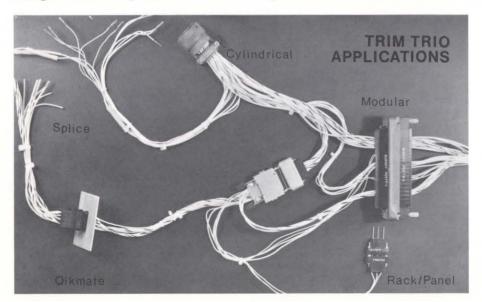




Trim Trio one-piece contact for sub-min coax or twisted pairs



- Improved Handling Installation Time Reduced by 90%
- High-Reliability
 Built-In Quality Control Checks





Trim Trio one-piece contact for sub-min coax or twisted pairs





The one piece contacts for subminiature coaxial and twisted pair applications offer Burndy's usual high-reliability plus a 90% reduction in installation time — a big cost factor. Installation time has been reduced from 2 to 3 minutes to about 20 seconds per contact.

Machined to assure maximum quality performance, the pins and sockets are fabricated of high-conductivity copper alloy, electro plated gold over silver or nickel. The contact springs are tempered heat-treated nickel plated beryllium copper. Transparent nylon insulating bushings are designed to accept and permanently retain the inner contacts. Solder plated corrosion resistant ferrules hold the braid to the outer contacts, and act as an insulation support to insure against bending and vibration stresses.

Designed to work with the Burndy Trim Trio system, the contacts are interchangeable with machined or formed power contacts in round or rectangular connectors. They may be intermated with existing multi-piece submin contacts. Gang mated in the connectors, common grounding can be achieved where it is required to terminate a cable shield at cabinet ground and continue internally with a twisted pair. This furnishes flexibility in making circuit changes while retaining protection of critical signals by use of the cabinet ground.

Used where performance requirements are acute — voltage stability, contact retention, corrosion resistance and plating retention — the one-piece contacts exceed the power, signal and shielding requirements of present and future generations of computer and communications equipments.

Quality control is inherent in the design. The transparent nylon sleeve permits visual inspection of conductor entry before a crimp is made. Another Burndy exclusive is a heat sensitive paint dot that changes color to indicate that the solder has reflowed.

TOOLING



MINI-CATS Reflow Soldering Machine



INSTALLATION

Four simple steps are all that are required to install a contact:

- 1. Insert the stripped coaxial wire or twisted pair.
- 2. Crimp the inner conductor (note the transparent sleeving) for visual inspection.
- 3. Slide the outer ferrule forward and crimp to the braid.
- Apply heat to reflow the solder. (Note the BLUE dot which turns BLACK when the soldering is completed.)



PERFORMANCE CHARACTERISTICS

Operating Temperature in mated condi-

-55°C to +125°C -67°F to +257°F

Contact Retention In Connector Body

Contact retention after 5 cycles of insertion and extraction.

15 lbs. Minimum

Contact Voltage Drop

When measured on mated contacts from the wire or braid 1/4" beyond the hyring, one (1) ampere current.

30 MV. Maximum

Contact Withdrawal Forces

Inner Socket using pin (.024" Dia.) Outer Socket using pin (.073" Dia.) ½ oz. Minimum ½ oz. Minimum

Dielectric Withstanding Voltage

Applied for 1 minute between inner and outer contacts.

750 Volts AC RMS

Insulation Resistance of Inner Bushings
Per MIL-STD-202B Method 302
Test Cond. B.

Durability 250 cycles mating and unmating of assembled pins and sockets.

1,000 Megohms Min.

Crimp Requirements

Meets Voltage Drop requirements

(Meets MIL-T-7928 for tensile and electrical tests on inner conductor)

8 to 12 lbs. Minimum on the braid depending upon type of coax wire used.

Salt Spray 48 Hours Contacts show no evidence of corrosion and pass withdrawal require-

Shock

One shock of 50g. Intensity in each of three mutually perpendicular directions.

Contact shows no evidence of damage.



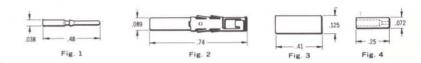
Contact kits are available for all coaxial cables shown. The inner pin and outer female body and components, RCDX60-2, RMD26L-1, RCDXB055-1 and YOC-074, are packaged in KIT RCDXK-1.

The inner socket and outer male body and components, RMDX60-2, RFD26-1, RMDXB055-3, and YOC-074, are packaged in KIT RMDXK-10.

The contacts for subminiature coaxial cable, shielded cable, and twisted pair wires consist of an inner pin/socket and an outer male/female body. The thermoplastic insulating bushing in the outer body is designed to accept and permanently retain the inner contact.

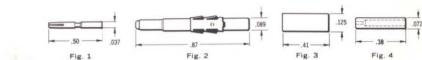
Tin-plated, corrosion-resistant outer ferrules hold the outer braid to the outer contacts and act as an insulation support to ensure against bending and vibration stresses. The inner and the outer conductor are crimped individually, thereby enabling inspection of both critical crimp points.

Multi-Piece Subminiature Coaxial Contacts for Trim Trio Connectors



Pins

| *Cable | Contac | er Conduc | tor | Contact for Outer Braid | | | | | | | | | | | |
|------------------------------------------|-------------------|-----------|----------------------|-------------------------|----------------------|-------------|-------------------|-------------|----------------------|-----------------|-------------------|---------|---|--------|---------|
| | Pin | Fig. | Crimp Tool M10S-1 | | Outer Female Body | | HYRING | | Crimp Tool M10S-1 | | Extration Tool | | | | |
| | Catalog Number | No. | Die Set | Stop Bushing | Catalog Number | Fig. No. | Catalog Number | Fig. No. | Die Set | Stop Bushing | .501 | | | | |
| RG161/U RG179A/U RG187/U | RMD26L-1 | 1 | S-23D2 | | RCDX60-2 | | Y0C-074 | | | | | | | | |
| RG174/U RG188/U Amphenol 21-598 | RMD26L-1 | | S-26D2 | SL-46-D2 | RCDX60-2 | RCDX60-2 | RCDX60-2 | RCDX60-2 | RCDX60-2 | RCDX60-2 | 2 YOC- | Y0C-074 | 3 | S-22-1 | SL-47-1 |
| RG178A/U | DIADORI 4 | | 0.0000 | | DODVCO O | | Y0C-074 | | | | NA10-1 | | | | |
| RG196/U | RMD26L-1 | | S-23D2 | | RCDX60-2 | | RCDXB055-1 | 4 | | | | | | | |



Sockets

| *Cable | Contac | er Conduc | tor | Contact for Outer Braid | | | | | | | |
|------------------------------------------|-------------------|-----------|----------------------|-------------------------|----------------------|-------------|-------------------|-------------|----------------------|-----------------|--------------------------------------------|
| | Socket | Fig. | Crimp Tool M10S-1 | | Outer Female Body | | HYRING | | Crimp Tool M10S-1 | | Extraction Tool |
| | Catalog Number | No | Die Set | Stop Bushing | Catalog Number | Fig. No. | Catalog Number | Fig. No. | Die Set | Stop Bushing | |
| RG161/U RG179A/U RG187/U | RFD26L-1 | 1 | S-23D2 | | RMDX60-2 | | Y0C-074 | 3 | S-22-1 | SL-47-1 | RX20-25 or RXK20-25 or RX16-11 |
| RG174/U RG188/U Amphenol 21-598 | RFD26L-1 | | S-26D2 | SL-46-D2 | RMDX60-2 | | Y0C-074 | | | | |
| RG178A/U | | | | | 21127422 | | Y0C-074 | | | | MATO II |
| RG196/U | RFD26L-1 | | S-23D2 | | RMDX60-2 | | RMDXB055-3 | 4 | | | |

^{*}Wire types other than those listed may also be accommodated by these contacts. Consult your local Burndy representative, giving particulars.

Performance Characteristics

Operating voltage between inner and outer contact: 230 volts DC sea-level working voltage

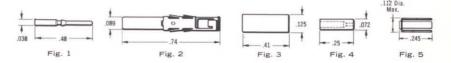
Test potential between inner and outer contact: 500 volts AC 60 cycles for one minute

Operating temperature:-55°C to +125°C

Contact retention in panel: 15 pounds minimum

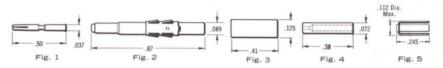
Contact voltage drop (maximum): 25 millivolts at 1 ampere for inner and outer contacts

Multi-Piece Twisted Pair Contacts for Trim Trio Connectors



Pins

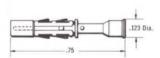
| Cable | Contac | er Conduc | tor | Contact for Outer Braid | | | | | | | | |
|----------------------------|-------------------|-----------|---------------------------|-------------------------|-------------------|-------------|-------------------|-------------|----------------------|-----------------|--------------------|----|
| | Pin Fig. | | Crimp Tool Fig. M10S-1 | | Outer Female | | HYRING | | Crimp Tool M10S-1 | | Extraction Tool | |
| | Catalog Number | No. | Die Set | Stop Bushing | Catalog Number | Fig. No. | Catalog Number | Fig. No. | Die Set | Stop Bushing | 1001 | |
| 2 #24 sol or str. | | | | | | | Y0C-074 | 3 | | | RX20-25 | |
| 2 #26 str. twisted pair | RMD26L-1 | L-1 1 | S-26D2 S | SL-46-D2 | RCDX60-2 | RCDX60-2 2 | DX60-2 2 RC | RCDXB055-1 | 4 | S-22-1 | SL-47-1 | or |
| | | | | | | | YORXO90 | 5 | | | RXK20-25 | |



Sockets

| Cable | Contac | ct for Inn | er Conduc | tor | | Extraction Tool | | | | | |
|----------------------------|-------------------|------------|----------------------|-----------------|----------------------|--------------------|-------------------|-------------|----------------------|-----------------|----------|
| | Socket Fig. | | Crimp Tool M10S-1 | | Outer Female Body | | HYRING | | Crimp Tool M10S-1 | | |
| | Catalog Number | No. | Die Set | Stop Bushing | Catalog Number | Fig. No. | Catalog Number | Fig. No. | Die Set | Stop Bushing | 1001 |
| 2 #24 sol or str. | | -1 1 | | SL-46-D2 | RMDX60-2 | 1-2 2 | Y0C-074 | 3 4 S-22 | | | RX20-25 |
| 2 #26 str. twisted pair | RFD26L-1 | | S-26D2 | | | | 2 RMDXB055-3 | | S-22-1 | SL-47-1 | or |
| | | | | | | | YORXO90 | 5 | | | RXK20-25 |

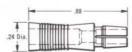
Male Contact for Connections of Unshielded Conductors to Shielded Conductors



| Pin Catalog | Wire Accom. | Crimp | Extraction | |
|-------------|-----------------------------------------------------|---------|--------------|---------------------------|
| Number | WIFE ACCOUNT | Die Set | Stop Bushing | Tool |
| RM24L-2 | One #24 solid or stranded or one #26 stranded | S-42 | SL-49 | RX20-25 or RXK20-25 |

Quick Disconnect Cable Splice Accommodates Trim Trio Contacts:

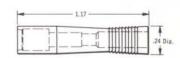
One subminiature coaxial contact or One no. 16 machined or formed contact



RSCDEX-2 Plug

Shell Material - Nylon

Closing with a positive snap this quick disconnect cable splice locks until intentionally separated. At that itme a separating force of between three and eleven pounds is all that is needed.



RSMDEX-1 Receptacle

Used in conjunction with the MS-M, MSD-M, and MSB-M rectangular connectors and their contacts, this Trim Trio quick disconnect splice offers the user unlimited wiring versatility.





Burndy Trim Trio Installation Tooling

The Trim Trio system not only offers design versatility in connectors, but production versatility in tooling as well. Choose from a broad line of tooling from simple hand tools to

automated systems. All Trim Trio tooling is specifically designed for this system to make reliable, trouble-free connections.



Bandomatic AM2-

Crimps Trim Trio machined power contacts at speeds up to 3,000/hour depending on operator. Features small wire entry area for operator protection and no external moving parts. Air and electric

powered.

Depth: 34"

Width: 17"

Height: 161/2" feet; 271/2 max. tilted **Weight:** 115 lbs.

Sub-min Coax Stripper CXS

Automatically strips submin-coax to correct lengths for installation with Trim Trio contacts. Air and electric powered.



Mini-Cats

For shorter production runs of submin coax or twisted pair contacts. Contacts are crimped separately with M8ND hand tool and then reflow soldered with Mini-cats. Electric powered.



UTM-2 Universal Terminating Machine

For strip formed power contacts. Features high reliability crimps, low noise level and finger tip dial selector for fast easy crimp selection.



Cats V

Coaxial Termination System. One-bench operation for installing Trim Trio submin. coax or twisted air contacts. Crimps contacts and reflow solders.

Air and electric powered.



Burndy Trim Trio Installation Tooling



HYPRESS Y8ND

Weight: 23/4 lbs. Length: 93/4" Air Line Pressure 85-100 psi Portable Pneumatic: installs loose piece machined contacts Removable dies can be used with M8ND, HYTOOL Supplied with 6 foot hose Built-in pneumatic cycling control system

insures completion of stroke before dies can

be reopened



HYTOOL M10S-1 (ratchet controlled)

Height: 9" Width: 2" Weight: 1.6 lbs. Four-indent die sets removable to permit installation of a variety of contact sizes. Conforms to require-

ments of MIL-T-22520



HYTOOL M8ND (ratchet controlled)

Weight: 13/4" Length: 103/4" Removable dies can also be used with Y8ND

HYPRESS



Width: 7" including magazine

Height: 10.9"

Weight: 6 lbs. including hose Air Pressure: 85-105 psi. Semi-automatic; feeds strip mounted contacts, type "M" Portable hand tool or hand or foot operated bench mount tool.

Contacts are supplied in disposable plastic carry

Built-in pneumatic cycling control system insures completion of stroke before dies

can be reopened.

Extraction Tools

RX20-25 Trim Trio Contacts **RX20-10 HYFEN Contacts**



Stainless Steel Extraction Tip

Length: 4.1"

Spring loaded steel outer sleeve depresses contact locking spring. Inner plunger pushes out contact.

RXK20-25 Trim Trio Contacts Extraction Tool Tip RXK20-10 HYFEN Contacts Extraction Tool Tip RXT20-4P3 Both Contacts Extraction Tool Handle



Stainless Steel Extraction Tip

Fixed outer sleeve depresses contact locking spring. With tool still in contact hole, use hand to pull out contact.

RX16 D11



For use with all Trim Trio contacts. Must be used with Qikmate rectangular connectors.



