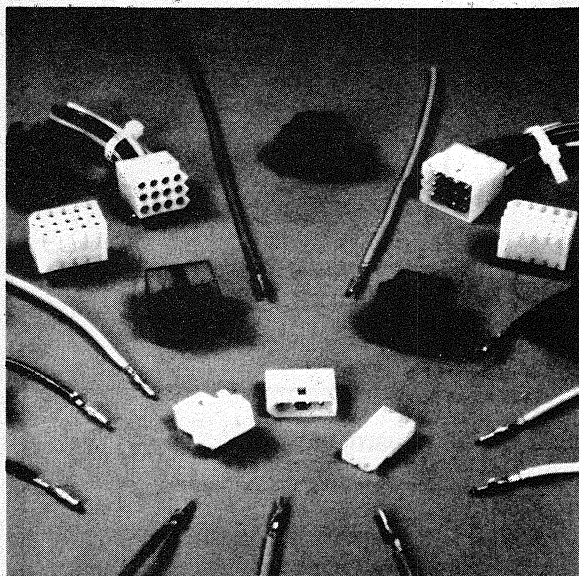
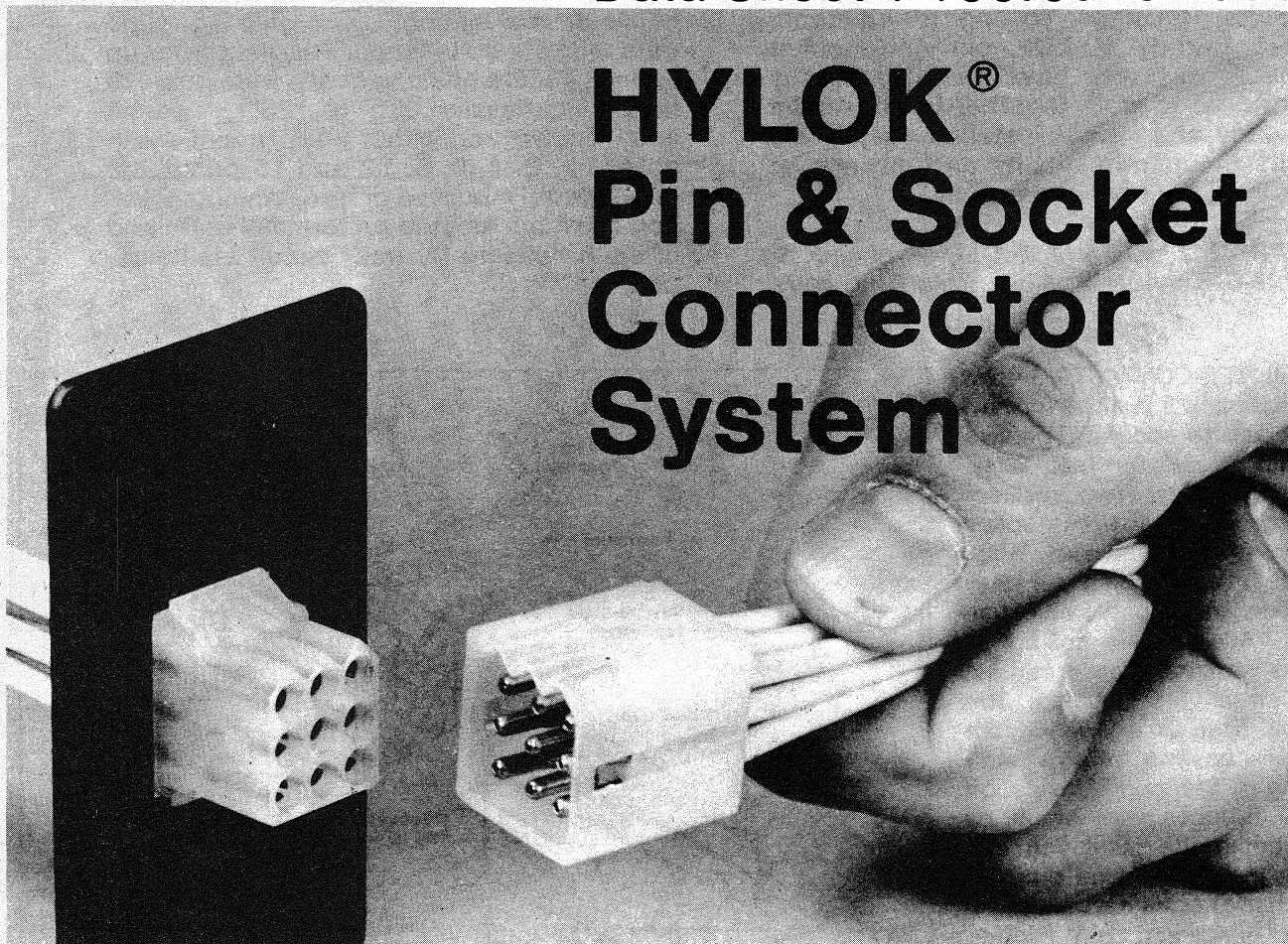


TERMAC

PRODUCT SPECIFICATIONS

Data Sheet T-100. June 1980

HYLOK[®] Pin & Socket Connector System



- Housings, contacts and tooling are totally matched and system engineered for low cost and high reliability.
- Available for both free-hanging and panelmount applications in 2, 3, 4, 6, 9, 12 and 15 circuit sizes.
- Smooth-nose pins and bell-mouth sockets for easy, positive mating.
- Matched application tooling for every production need.
- Recognized under the Component Program of Underwriters' Laboratories, Inc. and Canadian Standards Association.

HYLOK CONNECTORS: system engineered for maximum efficiency and lowest installed costs.



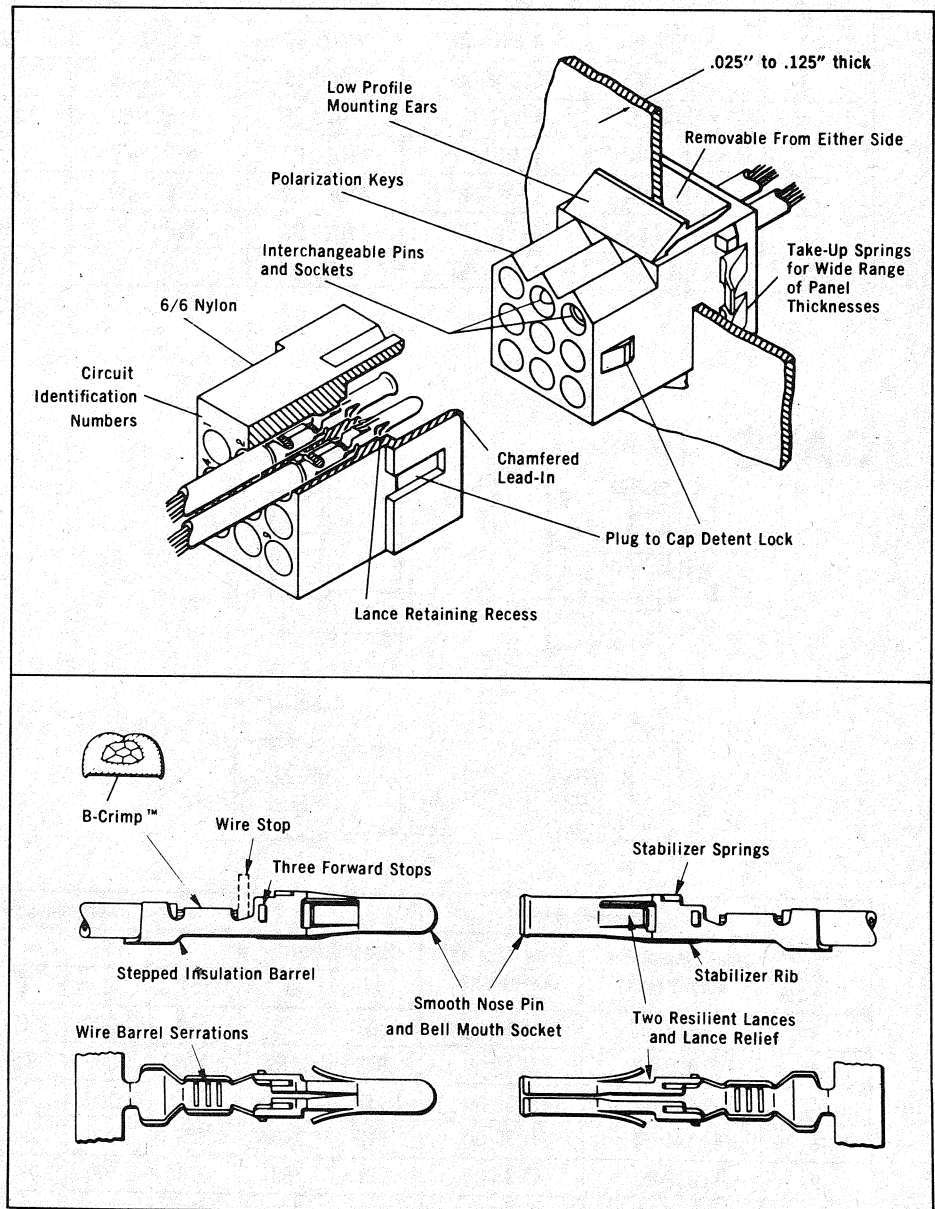
Contacts. Housings. Tooling. All elements of the Burndy HYLOK pin and socket connector system have been integrally engineered to work together for maximum efficiency and lowest installed costs. This results in uniform quality and savings at virtually every step of assembly.

POLARIZED HOUSINGS:* Made of tough, flexible 6/6 nylon. Positive Polarizing keys

eliminate mis-mating. Low profile mounting ears simplify installation. Resilient take-up springs secure housing over a wide range of panel thicknesses (.025" to .125")... permit easy removal from either side of panel. Available in 2, 3, 4, 6, 9, 12 and 15 positions; either panel mounted or free hanging. Position numbers located on terminal entry end of each housing for easy circuit identification.

STABILIZED CONTACTS: 3-point stabilizer and 3 positive forward stops assure accurate, precise contact "float" for fast, easy, smooth mating. Two resilient locking lances with a relief space or "window" around each lance permit free movement for easy insertion and trouble-free extraction. Accurately positioned "stops" assure proper contact location in the housing. The smooth-nose pin and bell-mouth socket provide easy, sure mating. Stepped insulation barrel reduces wire strain by positioning the insulation diameter in line with the contact. Wire barrel serrations break up oxide films and give added strength to the crimp. Insertion and extraction tools are available to easily install or remove pins and sockets.

MATCHED INSTALLATION TOOLING: The rugged and reliable Burndy UTM (Semi-automatic bench press) and crimp mechanism utilize the Burndy B-crimp, and a wire stop assures consistently accurate wire positioning. For high-volume production, ask about the latest TERMAC innovations in automated machinery. TERMAC maintains a trained staff of field service engineers to provide full field service.

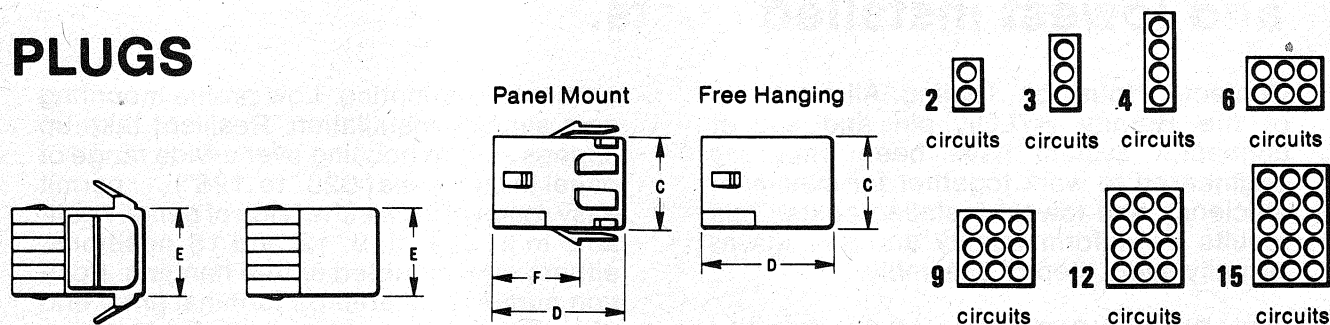


RACK & PANEL

* Available in standard NEMA colors.

HYLOK Pin & Socket Connectors: Specifications and ordering data

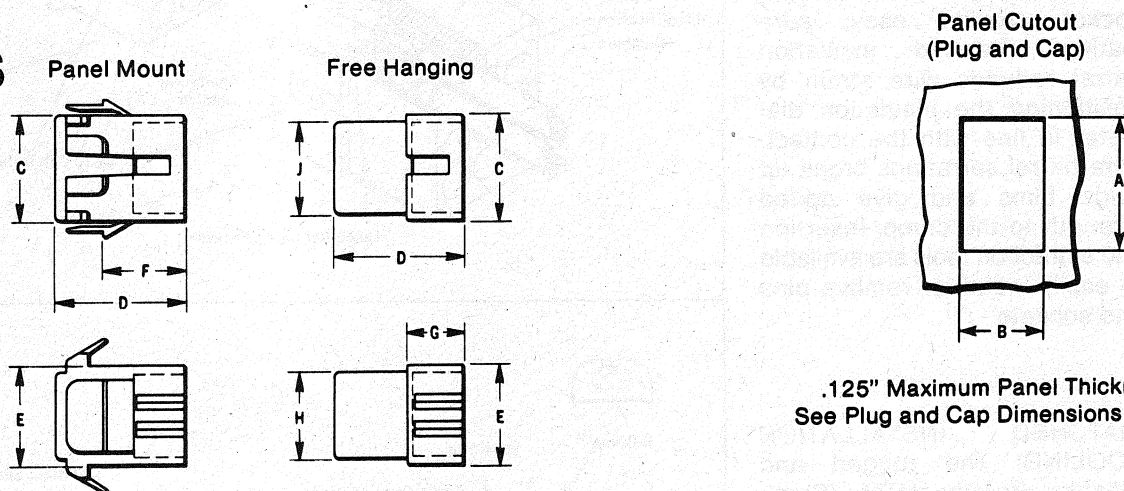
PLUGS



| Number of Circuits | Catalog Number | | | | Dimensions in Inches | | | | | |
|--------------------|-----------------------------|---------------------------------|--------------------------|------------------------------|----------------------|------|---------|-------|------|------|
| | Panel Mountable Detent Lock | Panel Mountable w/o Detent Lock | Free Hanging Detent Lock | Free Hanging w/o Detent Lock | Panel Cutout* | | Housing | | | |
| | | | | | A | B | C | D | E | F |
| 2 | 41000-00 | 41001-00 | 41002-00 | 41003-00 | .725 | .312 | .536 | 1.008 | .250 | .630 |
| 3 | 41004-00 | 41005-00 | 41006-00 | 41007-00 | .840 | .312 | .670 | 1.008 | .236 | .630 |
| 4 | 41008-00 | 41009-00 | 41010-00 | 41011-00 | 1.038 | .312 | .863 | 1.008 | .236 | .630 |
| 6 | 41012-00 | 41013-00 | 41014-00 | 41015-00 | .600 | .725 | .434 | 1.008 | .632 | .630 |
| 9 | 41016-00 | 41017-00 | 41018-00 | 41019-00 | .828 | .725 | .666 | 1.008 | .627 | .630 |
| 12 | 41020-00 | 41021-00 | 41022-00 | 41023-00 | 1.050 | .725 | .870 | 1.008 | .632 | .630 |
| 15 | 41024-00 | 41025-00 | 41026-00 | 41027-00 | 1.240 | .725 | 1.066 | 1.008 | .632 | .630 |

* $\pm .005"$

CAPS



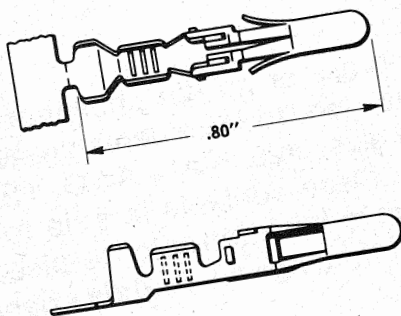
.125" Maximum Panel Thickness
See Plug and Cap Dimensions Tables

| Number of Circuits | Catalog Number | | Dimensions in Inches | | | | | | | | |
|--------------------|-----------------------------|--------------------------|----------------------|------|---------|-------|------|------|------|------|-------|
| | Panel Mountable Detent Lock | Free Hanging Detent Lock | Panel Cutout* | | Housing | | | | | | |
| | | | A | B | C | D | E | F | G | H | J |
| 2 | 41028-00 | 41029-00 | .800 | .375 | .639 | 1.000 | .352 | .600 | .420 | .260 | .639 |
| 3 | 41030-00 | 41031-00 | .933 | .375 | .773 | 1.000 | .338 | .600 | .420 | .248 | .773 |
| 4 | 41032-00 | 41033-00 | 1.131 | .375 | .971 | 1.000 | .338 | .600 | .420 | .250 | .971 |
| 6 | 41034-00 | 41035-00 | .695 | .760 | .536 | 1.000 | .734 | .600 | .420 | .642 | .448 |
| 9 | 41036-00 | 41037-00 | .937 | .760 | .770 | 1.000 | .734 | .600 | .420 | .638 | .674 |
| 12 | 41038-00 | 41039-00 | 1.155 | .760 | .970 | 1.000 | .734 | .600 | .420 | .642 | .882 |
| 15 | 41040-00 | 41041-00 | 1.343 | .760 | 1.169 | 1.000 | .734 | .600 | .420 | .642 | 1.077 |

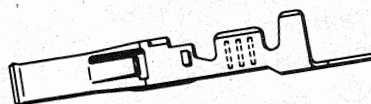
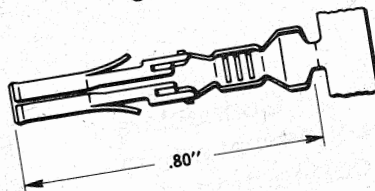
* $\pm .005"$

CONTACTS .093" SIZE

Pin Contact



Socket Contact



| Reeled Contact Catalog Number | | Wire Accommodation | | Material and Finish | Crimp Mechanism for UTM Machine | Hand Tool |
|-------------------------------|----------|--------------------|---------------------|----------------------|---------------------------------|-----------|
| Pin | Socket | AWG | Insulation Diameter | | | |
| 21058-02 | 21061-02 | 24-20 | .070 | .010 Pretinned Brass | CM06G1 | Y14MTR |
| | | | .040 | | CM06 | — |
| | | | .130 | | CM06G2 | Y14MTR |
| 21059-02 | 21062-02 | 20-16 | .090 | | | |
| 21060-02 | 21063-02 | 20-14 | .160 | | | |
| | | | .065 | | | |

RACK & PANEL

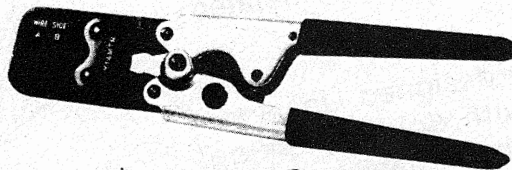
TOOLING



Insertion Tool (for small gauge wires)
Catalog Number RTM20D29



Extraction Tool
Catalog Number RX14D5



Hand Tool
Catalog Number Y14MTR

UTM-OA
Universal Terminating Machine— Operator Assist

The UTM-OA semi-automatic terminator features an "operator-assist" safety shield that increases production while protecting the operator's hand from the crimping mechanism. Reduces operator training time, reject rates and costs. This new machine has a sturdy, welded-steel frame, yet weighs only 255 pounds. Overall height of 25" permits flexibility in selection of production-line placement. Accommodates #14 to #26 AWG wire sizes. The machine has a dependable, long-life roller clutch and a rugged, five-ton steel press that assures maximum deflection under load. Meets all OSHA requirements.

UNIVERSAL HYLOK CONNECTORS

TERMAC's Universal HYLOK Connectors offer a dependable and economical way to combine multiple-lead connections for worldwide application in the computer, office equipment and appliance industries. These connectors are designed for 600-volt applications and meet VDE requirements for 380-volt applications.

Universal HYLOK housings are totally polarized for accurate plug-to-cap mating, and the pins and sockets can be interchanged in the plug or the cap for a variety of keying combinations. The plug and cap feature positive-locking housings so the connectors cannot be accidentally disconnected in free-hanging or panel-mount applications.

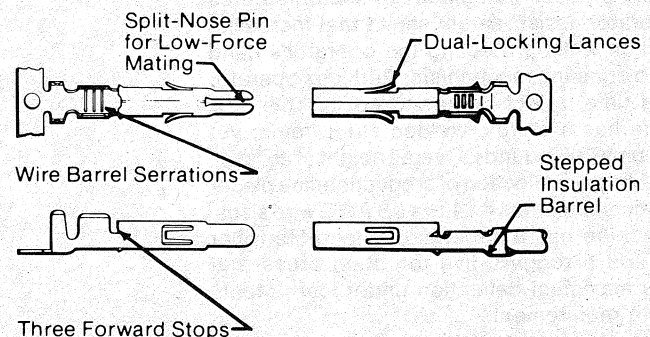
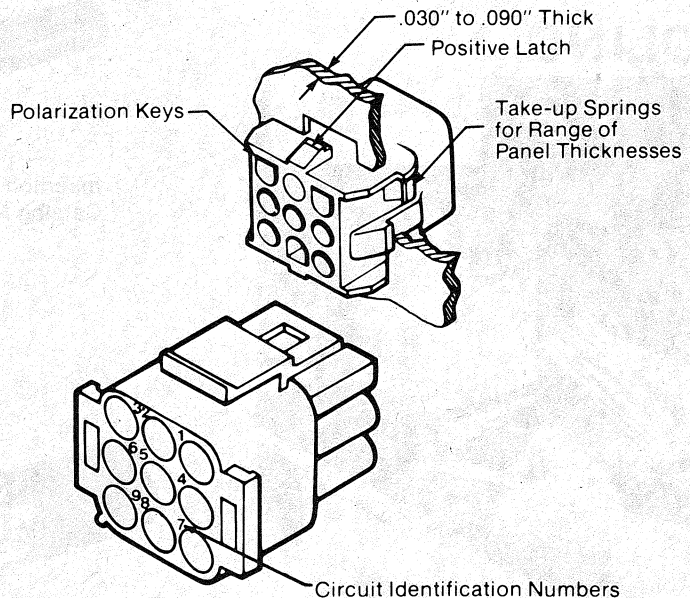
The housings are made of resilient 6/6 nylon and are available in 94V-2 natural color. Universal HYLOK housings also come in 94V-0 flame-retardant material.

TERMAC offers these connectors in circuit sizes 2, 3, 4, 6, 9, 12 and 15. The housing entries are numbered so circuits can be easily identified, and the rear-entry cavities allow two wires to be terminated with a single contact.

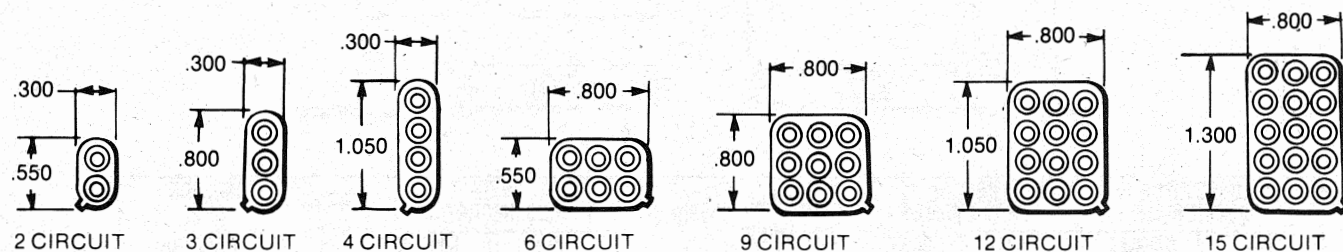
TERMAC engineers designed Universal HYLOK contacts with double-locking lances to ensure maximum stability. These contacts can be manually installed in the housings and require only one tool (Burndy's #86000) to remove both pins and sockets. Because the installed contacts are completely enclosed in the housing, they eliminate the possibility of shock yet allow either half to have hot leads.

Pre-tin brass or pre-tin phosphor bronze contacts, rated to 15 amperes, are available for wire sizes #20 to #14 AWG. TERMAC supplies these contacts in strip form for automatic termination or loose-piece form for hand crimping with Burndy's hand tool #Y14MTR.

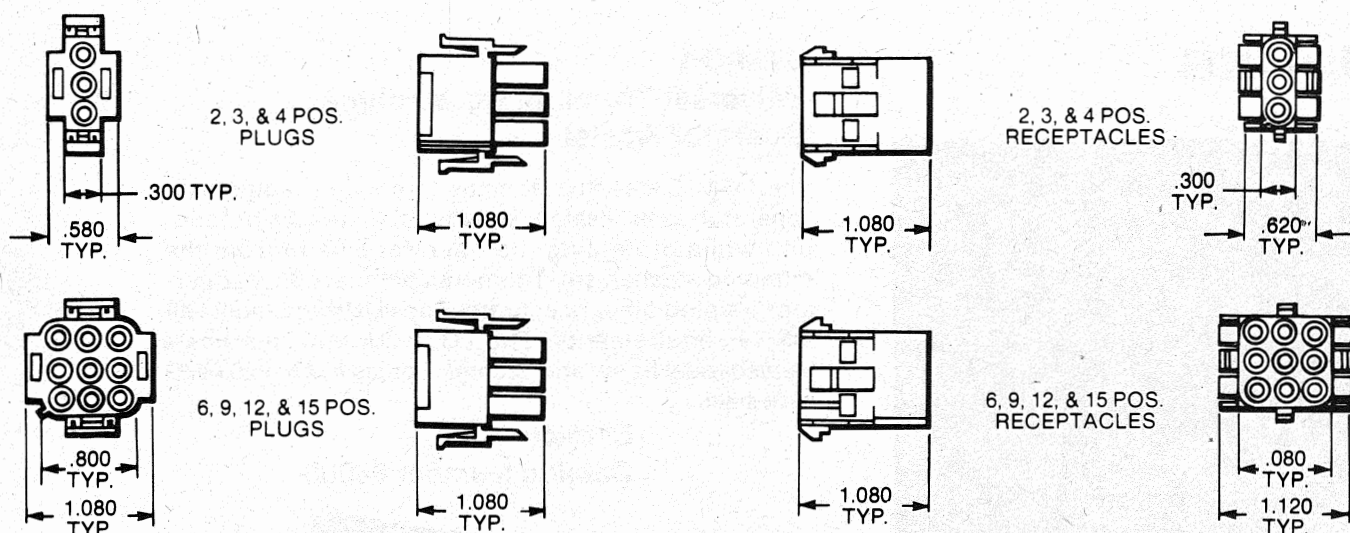
TERMAC's line of installation machinery, including the UTM, UTM-OA and the UTM-AT, provides high-volume production and low installed costs, making Universal HYLOK a complete, low-cost connector system.



UNIVERSAL HYLOK Pin & Socket Connectors: Specifications and ordering data



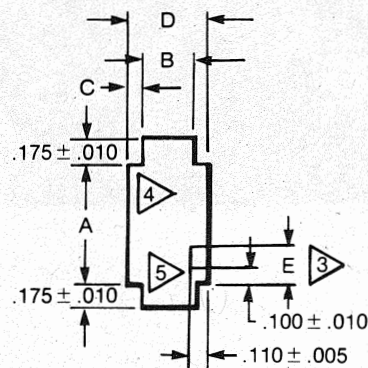
CIRCUIT CONFIGURATIONS. DIMENSIONS SHOWN DO NOT INCLUDE LOCKING LATCHES AND MOUNTING FEATURES.



RACK & PANEL

| HOUSING PART NUMBERS | | | | |
|----------------------|-------------|-------------|-------------|-------------|
| NO. OF CIRCUITS | PLUG | | RECEPTACLE | |
| | 94V-2 NYLON | 94V-0 NYLON | 94V-2 NYLON | 94V-0 NYLON |
| 2 | UHP 201 | UHP 200 | UHR 201 | UHR 200 |
| 3 | UHP 301 | UHP 300 | UHR 301 | UHR 300 |
| 4 | UHP 401 | UHP 400 | UHR 401 | UHR 400 |
| 6 | UHP 601 | UHP 600 | UHR 601 | UHR 600 |
| 9 | UHP 901 | UHP 900 | UHR 901 | UHR 900 |
| 12 | UHP 1201 | UHP 1200 | UHR 1201 | UHR 1200 |
| 15 | UHP 1501 | UHP 1500 | UHR 1501 | UHR 1500 |

| RECEPTACLE HOUSING PANEL CUTOUT | | | | | |
|---------------------------------|----------|----------|----------|----------|----------|
| NO. OF CIRCUITS | A ± .005 | B ± .010 | C ± .010 | D ± .005 | E ± .010 |
| 2 | .565 | .340 | .095 | .530 | .250 |
| 3 | .815 | .340 | .095 | .530 | .250 |
| 4 | 1.065 | .340 | .095 | .530 | .250 |
| 6 | .565 | .480 | .275 | 1.030 | .250 |
| 9 | .815 | .480 | .275 | 1.030 | .250 |
| 12 | 1.065 | .480 | .275 | 1.030 | .350 |
| 15 | 1.315 | .480 | .275 | 1.030 | .350 |

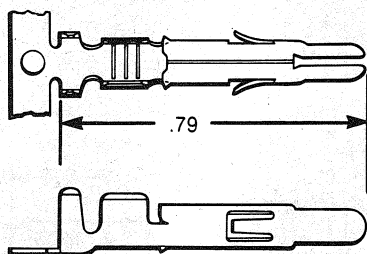


NOTES:

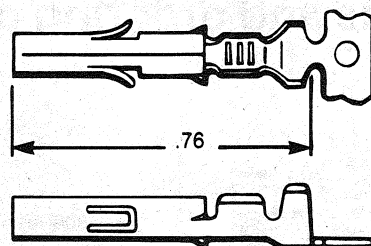
- .030-.090 PANEL THICKNESS.
- THE RECEPTACLE MUST ENTER CUTOUT IN SAME DIRECTION AS THE PUNCH.
- POLARIZATION TAB OPTIONAL.
- LOCATION OF #1 CIRCUIT WHEN POLARIZING 6,9,12, and 15 POSITION RECEPTACLES.
- LOCATION OF #1 CIRCUIT WHEN POLARIZING 2,3, AND 4 POSITION RECEPTACLES.

CONTACTS

Pin Contact

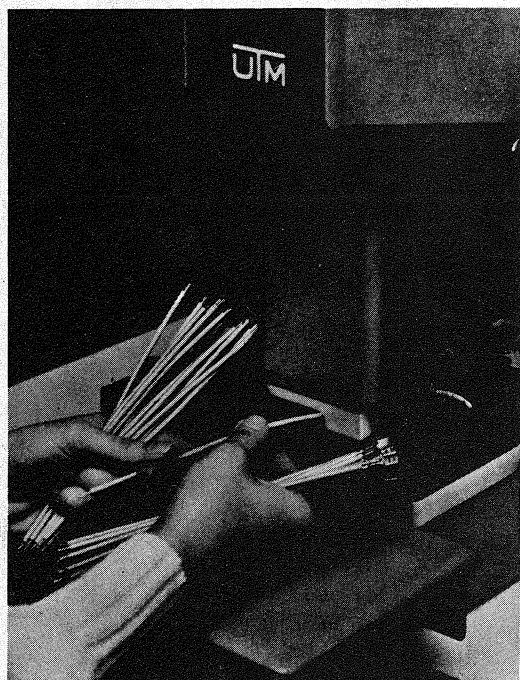


Socket Contact



| LOOSE PIECE PART NUMBER | | REELED PART NUMBER | | MATERIAL .012 THICK | FINISH | WIRE ACCOMMODATION | | HAND TOOL | IMA FOR UTM MACHINE |
|----------------------------|----------|-----------------------|----------|------------------------|---------|-----------------------|-----------|--------------|---------------------------|
| PIN | SOCKET | PIN | SOCKET | | | AWG | INS. DIA. | | |
| UHM 2210 | UHC 1210 | UHM 2200 | UHC 1200 | BRASS | PRE-TIN | 20-14 | .130 MAX. | Y14MTR | 91600-1-035 |
| UHM 2211 | UHC 1211 | UHM 2201 | UHC 1201 | PHOS. BRONZE | | | | | |

TOOLING



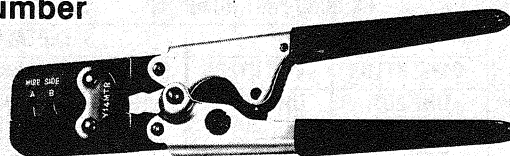
UTM-OA Universal Terminating Machine Operator Assist

The UTM-OA semi-automatic terminator features an "operator-assist" safety shield that increases production while protecting the operator's hand from the crimping mechanism. This new machine reduces operator training time, reject rates and costs and meets all OSHA requirements. The UTM-OA machine has a welded-steel frame and accommodates #14 to #26 AWG wire sizes.

Extraction Tool Catalog Number 86000



Hand Tool Catalog Number Y14MTR



WHY QIKMATE

QIKMATE, in a word, is "versatility". More than just a connector, it is a highly cost-effective system approach to solving interconnect problems. That system includes a whole family of connector bodies all designed to accommodate the "Trim Trio" contacts. "Trim Trio" power and signal contacts are available in stamped and formed, machined and sub-miniature coax for maximum flexibility, dependability and ease of assembly. Any combination of the contacts can be used interchangeably in any position in either half of the connector. **The same contacts are also used in other connector bodies making up the Trim Trio Interconnection System, including Miniature Round and Hyfen Rectangular connectors.***

QIKMATE housing and TRIM TRIO contacts provide the additional advantage of standardization resulting in simplified paperwork, reduced inventory, faster assembly and uniform quality control. In addition, there is also the advantage of universal installation tooling and simplified operator training.

Designed to meet or exceed international safety and performance specifications, QIKMATE is the choice of many multinational corporations who recognize the superiority of the QIKMATE, TRIM-TRIO combination.

*for additional information see BURNDY publication CG-116

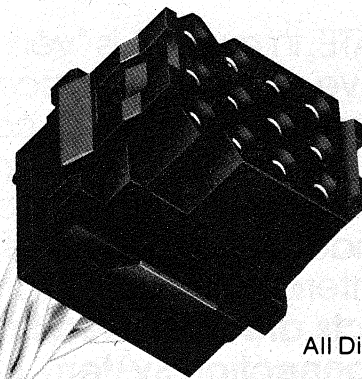
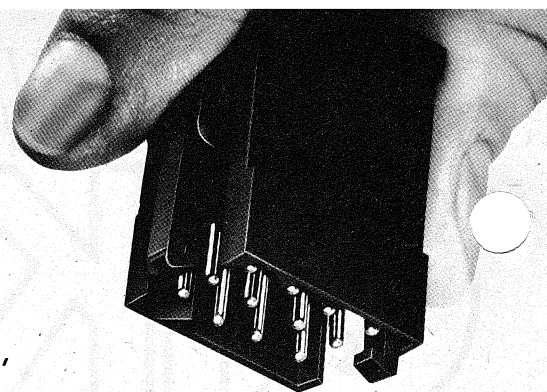
PERFORMANCE CHARACTERISTICS

| CHARACTERISTICS | PERFORMANCE |
|---|---|
| Operating Temperature | -67°F to +221°F (-55°C to +105°C) |
| Insulating Resistance | 5000 megohms at 500 volts D.C. |
| Test potential (1 min. Duration) at sea level | 2000 volts A.C. |
| Contact retention in connector (min.) | 10 pounds (44.48 N) |
| Connector Mating forces | 2 position 1.0 pounds (4.45 N) 3 position 1.5 pounds (6.67 N) 4 position 2.0 pounds (8.90 N) 6 position 3.0 pounds (13.34 N) 9 position 4.5 pounds (20.02 N) 12 position 6.0 pounds (26.69 N) 15 position 7.5 pounds (33.36 N) 18 position 9.0 pounds (40.03 N) 24 position 12.0 pounds (53.38 N) 36 position 18.0 pounds (80.06 N) |
| Humidity (240 hrs. at 40°C, 90-95% R.H.) | Meets insulation resistance and test voltage requirements |
| Vibration (Per MIL-STD 202 Method 204) | No cracking of dielectric or loosening of contacts, no discontinuity of current greater than 10 microseconds |
| Shock (Per MIL-STD-202B Method 213 Cond. A.) | No cracking of dielectric or loosening of contacts, no discontinuity of current greater than 10 microseconds |
| Durability | Shall withstand 500 matings and unmatings |
| Working Voltage | 750 Volts (see notes 3 & 4) |
| Material | NYLON — Per MIL-M-20693A UL94V-2 Color: black (STD.) |

- Notes: 1. This connector will accommodate wire insulation up to .165 max. dia.
2. Contact designations shown appear on both mating face and wire face connector.
3. U.L. recognized—File No. E 31151.
4. CSA Certified—File I R 30151

STANDARD CONNECTORS

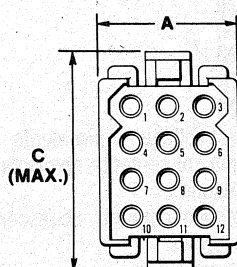
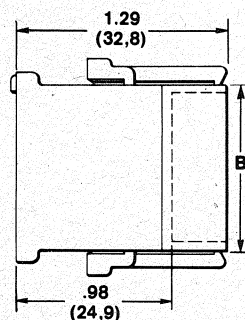
Panelmount QIKMATE is available in 2, 3, 4, 6, 9, 12, 15, 18, 24 and 36 positions. Intended for use in panel thicknesses of .030 to .090, the receptacle features positive housing retention and quickly snaps into the prepared cut-out in the mounting panel. Should removal be necessary, it is accomplished by depressing the molded-in latches of the receptacle.



All Dimensions: $\frac{\text{in.}}{(\text{mm})}$

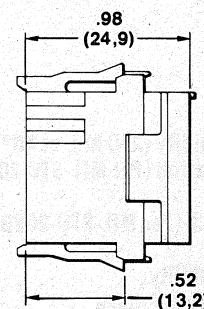
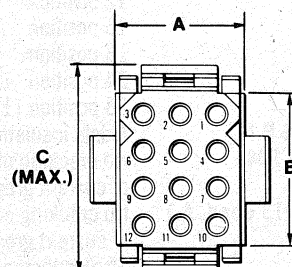
PLUGS

| Number of Contacts | Catalog No. | A | B | C (Max.) |
|--------------------|-------------|----------------|----------------|----------------|
| 2 | SMS2P-1 | .59 (15,0) | .33 (8,4) | .70 (17,8) |
| 3 | SMS3P-1 | .73 (18,5) | .33 (8,4) | .70 (17,8) |
| 4 | SMS4P-1 | .93 (23,6) | .33 (8,4) | .70 (17,8) |
| 6 | SMS6P-1 | .73 (18,5) | .53 (13,5) | .90 (22,9) |
| 9 | SMS9P-1 | .73 (18,5) | .73 (18,5) | 1.10 (27,9) |
| 12 | SMS12P-1 | .73 (18,5) | .93 (23,6) | 1.30 (33,0) |
| 15 | SMS15P-1 | .73 (18,5) | 1.13 (28,7) | 1.50 (38,1) |
| 18 | SMS18P-1 | .73 (18,5) | 1.33 (33,8) | 1.70 (43,2) |
| 24 | SMS24P-1 | .93 (23,6) | 1.33 (33,8) | 1.70 (43,2) |
| 36 | SMS36P-1 | 1.93 (49,0) | .93 (23,6) | 1.30 (33,0) |



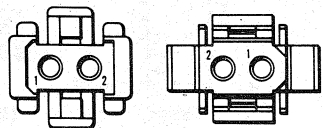
RECEPTACLES

| Number of Contacts | Catalog No. | A | B | C (Max.) |
|--------------------|-------------|----------------|----------------|----------------|
| 2 | SMS2R-1 | .43 (10,9) | .23 (5,8) | .60 (15,2) |
| 3 | SMS3R-1 | .63 (16,0) | .23 (5,8) | .60 (15,2) |
| 4 | SMS4R-1 | .83 (21,1) | .23 (5,8) | .60 (15,2) |
| 6 | SMS6R-1 | .63 (16,0) | .43 (10,9) | .80 (20,3) |
| 9 | SMS9R-1 | .63 (16,0) | .63 (16,0) | 1.00 (25,4) |
| 12 | SMS12R-1 | .63 (16,0) | .83 (21,1) | 1.20 (30,5) |
| 15 | SMS15R-1 | .63 (16,0) | 1.03 (26,2) | 1.40 (35,6) |
| 18 | SMS18R-1 | .63 (16,0) | 1.23 (31,2) | 1.60 (40,6) |
| 24 | SMS24R-1 | .83 (21,1) | 1.23 (31,2) | 1.60 (40,6) |
| 36 | SMS36R-1 | 1.83 (46,5) | .83 (21,1) | 1.20 (30,5) |



CONTACT IDENTIFICATION

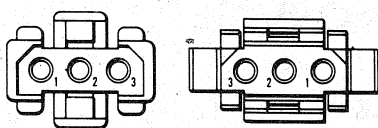
**2
POSITION**



PLUG

RECEPTACLE

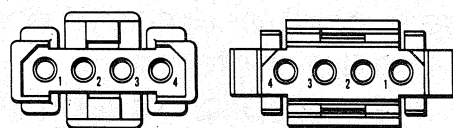
**3
POSITION**



PLUG

RECEPTACLE

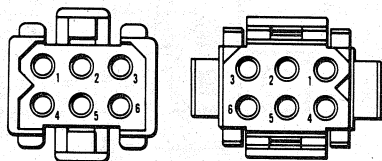
**4
POSITION**



PLUG

RECEPTACLE

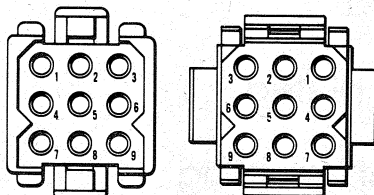
**6
POSITION**



PLUG

RECEPTACLE

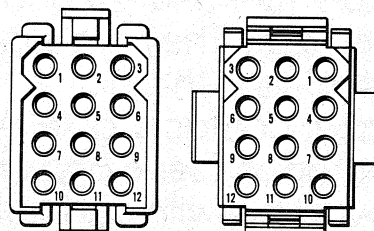
**9
POSITION**



PLUG

RECEPTACLE

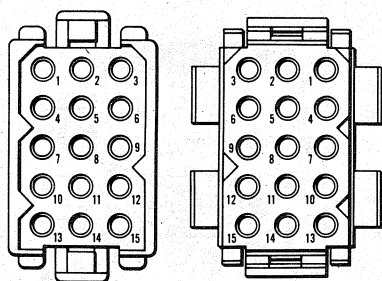
**12
POSITION**



PLUG

RECEPTACLE

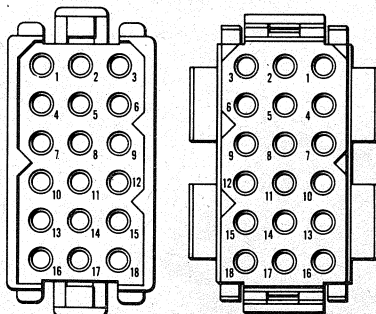
**15
POSITION**



PLUG

RECEPTACLE

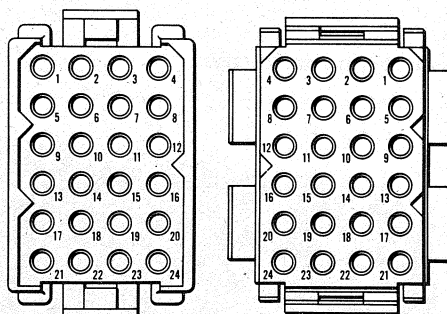
**18
POSITION**



PLUG

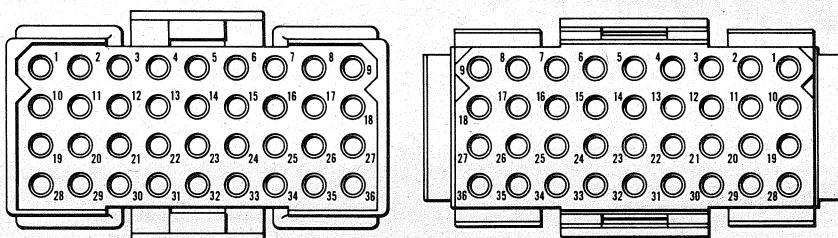
RECEPTACLE

**24
POSITION**



PLUG

RECEPTACLE



PLUG

RECEPTACLE

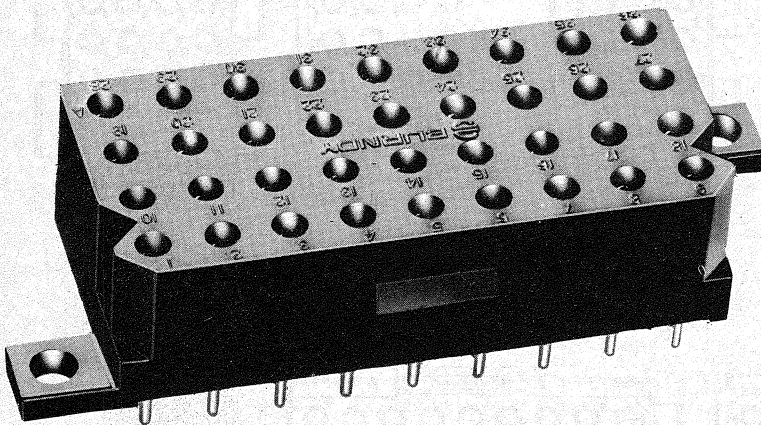
**36
POSITION**

P.C. BOARDMOUNT CONNECTORS

These special receptacles enable QIKMATE and Trim Trio contacts (with the exception of subminiature coaxial contacts) to be P.C. board mounted using conventional solder production techniques. They will then mate and latch with standard plugs.

Boardmount QIKMATE is available in 2-3-4-6-9*-12-15*-18*-24 and 36 position sizes. They are supplied fully loaded with pin or socket contacts, gold or tin plated. Receptacles sizes 6 and up, are available with and without mounting flanges for P.C. board mounting options. When requesting the flangeless receptacle delete the "E" from the catalog number used in the table.

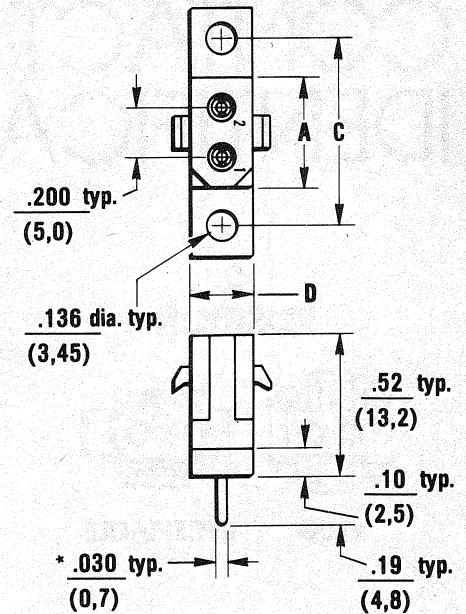
*supplied with pin contacts only.



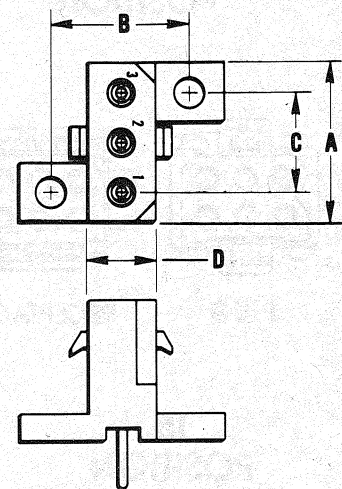
Max. Boardmount Current Rating — 5 amps.

All Dimensions: $\frac{\text{in.}}{(\text{mm})}$

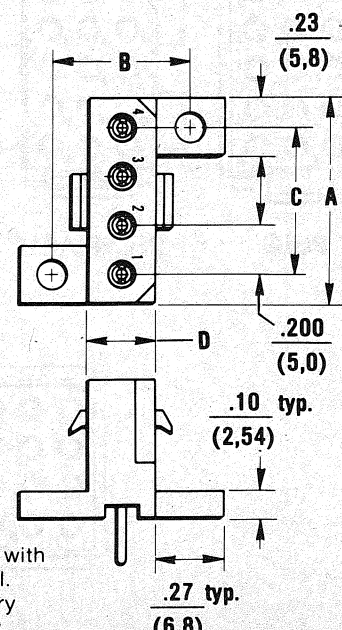
2 POSITION



3 POSITION

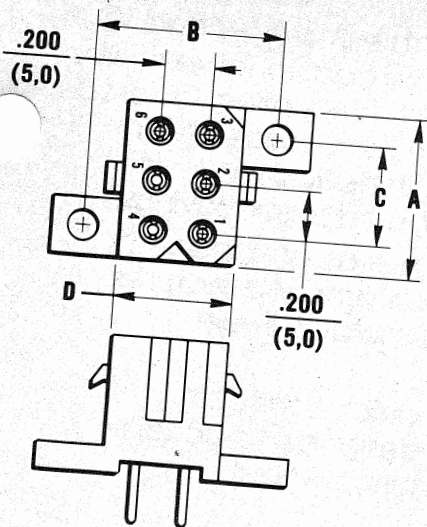


4 POSITION

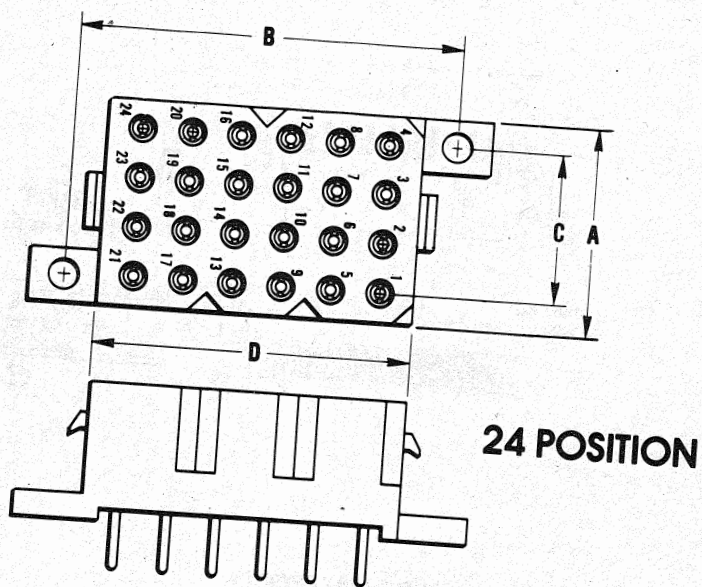
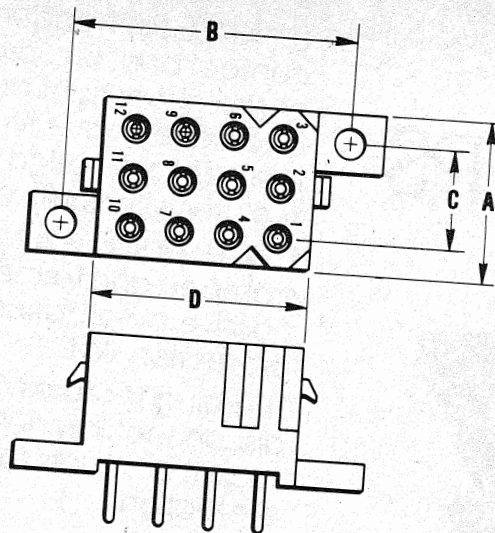


*Also available with .050 solder tail. Consult factory for availability.

6 POSITION

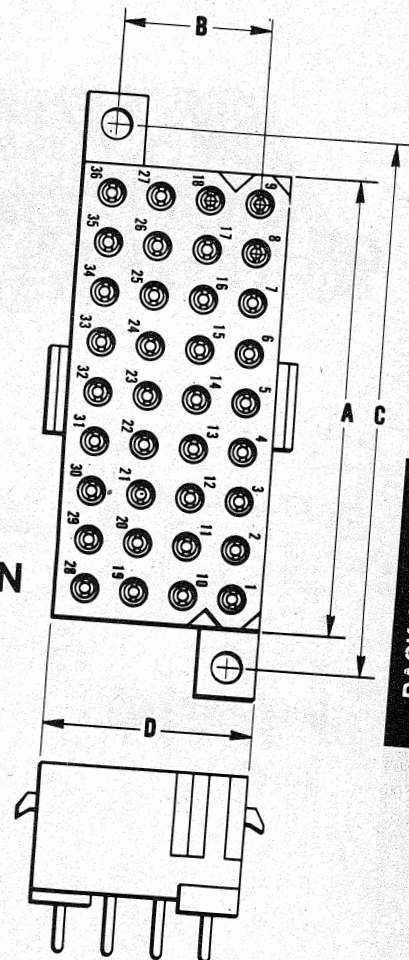


12 POSITION



24 POSITION

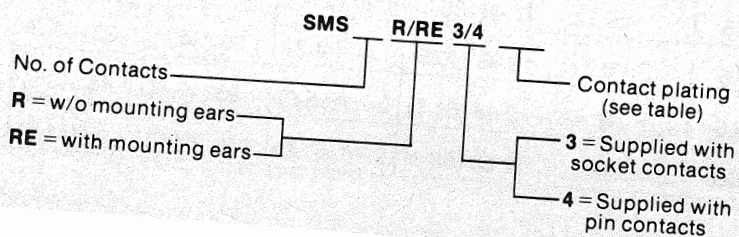
36 POSITION



| Number of Contacts | Catalog Number | A | B | C | D |
|--------------------|----------------|-------------|------------------|-------------|-------------|
| 2 | SMS2RE-3/4 | .43 (10,9) | (Not applicable) | .75 (19,1) | .23 (5,8) |
| 3 | SMS3RE-3/4 | .63 (16,0) | .55 (14,0) | .40 (10,2) | .23 (5,8) |
| 4 | SMS4RE-3/4 | .83 (21,1) | .55 (14,0) | .60 (15,2) | .23 (5,8) |
| 6 | SMS6RE-3/4 | .63 (16,0) | .75 (19,0) | .40 (10,2) | .43 (10,9) |
| 12 | SMS12RE-3/4 | .63 (16,0) | 1.15 (29,2) | .40 (10,2) | .83 (21,1) |
| 24 | SMS24RE-3/4 | .83 (21,1) | 1.55 (39,4) | .60 (15,2) | 1.23 (31,2) |
| 36 | SMS36RE-3/4 | 1.83 (46,5) | .60 (15,2) | 2.15 (54,6) | .83 (21,1) |

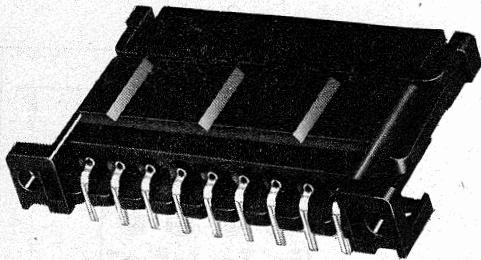
NOTE: All BOARDMOUNT Housings except 2, 3 and 4 position, are available w/o mounting ears.

How to order



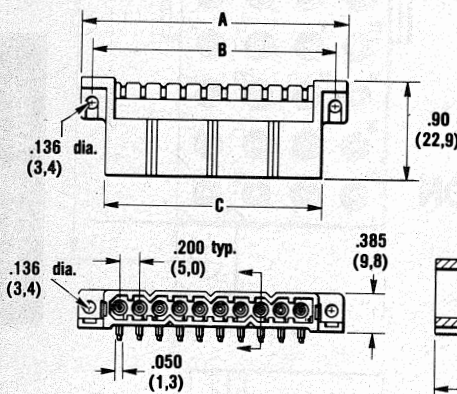
| PLATING TABLE | | STD PLATING |
|----------------|--|------------------|
| PLATING SUFFIX | DESCRIPTION | |
| TK6 | TIN-ALLOY PREPLATED | ELECTIVE PLATING |
| D70 | TYPE D70 PER BURNDY SPEC. F450. .000005 MIN. GOLD OVER .000075 MIN. NICKEL | |
| S2 | .000050 MIN. GOLD OVER .000200 MIN. NICKEL | |
| S4 | .000050 MIN. GOLD OVER .000075 MIN. NICKEL | |
| S6 | .000030 MIN. GOLD OVER .000075 MIN. NICKEL | |
| S8 | .000015 MIN. GOLD OVER .000075 MIN. NICKEL | |

P. C. PIN HEADERS

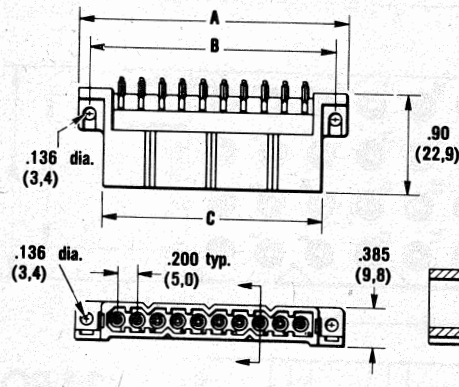
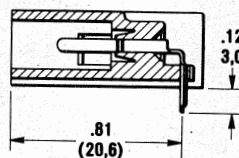


QIKMATE Pin headers, available in 3-4-6-9 and 10 contact positions, provides the additional versatility of straight or right angle board mounting. Offered as an alternative to stacked connectors, the in-line contact design of the pin header provides the user with significant P.C. board space savings. The receptacle is supplied pre-assembled with stamped and formed pin contacts and features positive polarization and a molded-in pin protection skirt.

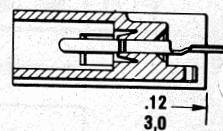
The plug features positive quick connect/disconnect latches and is designed to accept socket contacts for maximum contact protection.



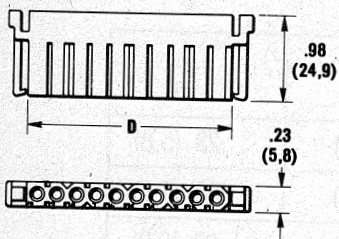
**RIGHT ANGLE
PIN HEADER**



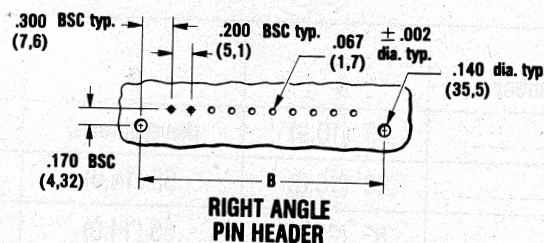
**STRAIGHT
PIN HEADER**



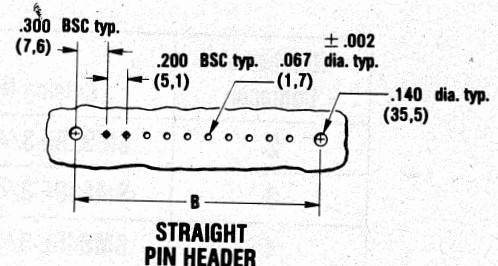
PLUG



RECOMMENDED P.C. BOARD HOLE LAYOUT



**RIGHT ANGLE
PIN HEADER**



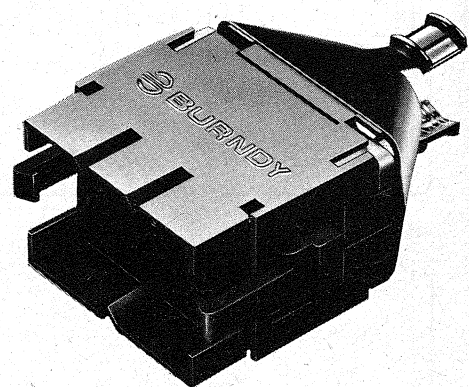
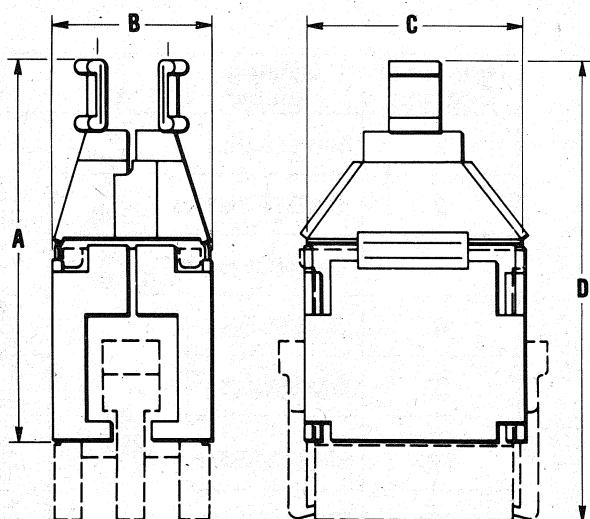
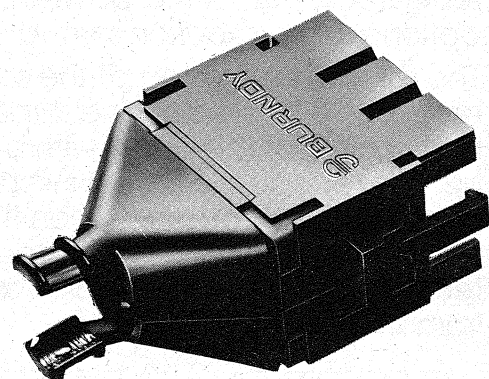
**STRAIGHT
PIN HEADER**

| CATALOG NUMBER | | | NO. OF POSITIONS | Dimensions | | | |
|----------------|--------------------|--------------|---------------------|-------------|-------------|-------------|-------------|
| SOCKET PLUG | BOARD MOUNT HEADER | | | A | B | C | D |
| | RIGHT ANGLE | STRAIGHT | | | | | |
| SMS3P-3 | SMS3PH-3TK6 | SMS3PH-4TK6 | 3 | 1.23 (31,2) | 1.00 (25,4) | .76 (19,3) | .63 (16,0) |
| SMS4P-3 | SMS4PH-3TK6 | SMS4PH-4TK6 | 4 | 1.43 (36,3) | 1.20 (30,4) | .96 (24,4) | .83 (21,1) |
| SMS6P-3 | SMS6PH-3TK6 | SMS6PH-4TK6 | 6 | 1.83 (46,5) | 1.60 (40,6) | 1.36 (34,5) | 1.23 (31,2) |
| SMS9P-3 | SMS9PH-3TK6 | SMS9PH-4TK6 | 9 | 2.43 (61,7) | 2.20 (55,9) | 1.96 (49,8) | 1.83 (46,5) |
| SMS10P-3 | SMS10PH-3TK6 | SMS10PH-4TK6 | 10 | 2.63 (66,8) | 2.40 (61,0) | 2.16 (54,9) | 2.03 (51,6) |

All Dimensions: in. (mm)

STRAIN RELIEF HOODS

Strain relief hoods are available for all standard plugs. The hoods consist of identical halves that snap into position on the plug and are secured in place with a cable tie drawn tightly around the cable entry collar. Catalog numbers designate a complete hood (2 halves). The cable tie is not included.



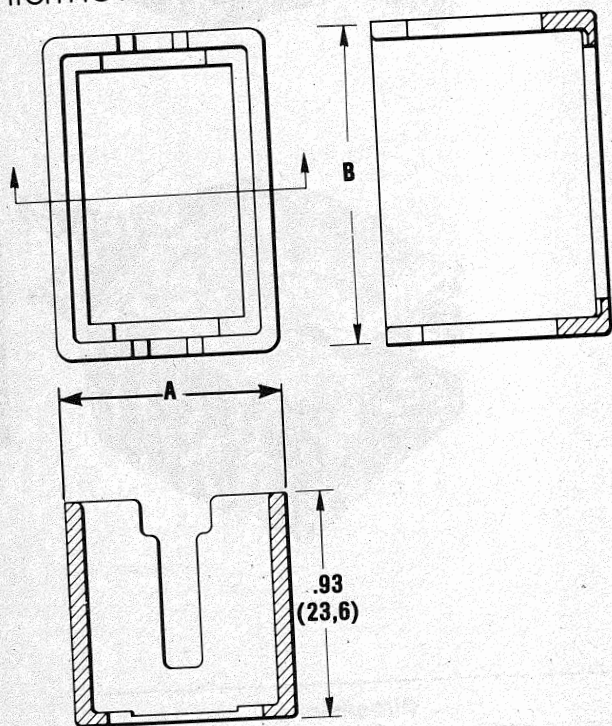
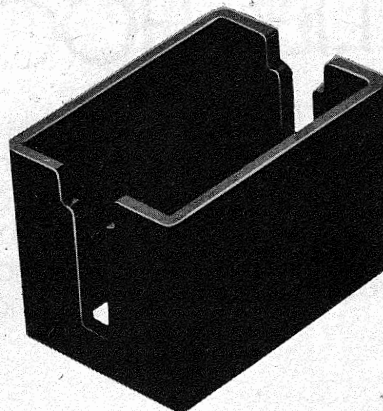
RACK & PANEL

| QIKMATE Contact Position | Catalog No. | Wire Bundle (Max.) | Recommended UNIRAP Cable tie | Dimensions | | | |
|--------------------------------|-------------|--------------------------|------------------------------------|----------------|----------------|----------------|----------------|
| | | | | A | B | C | D (max.) |
| 2 | SMS2H-1 | .33 (8,4) | TF-4 | 1.82 (46,2) | .66 (16,7) | .42 (10,6) | 2.22 (56,3) |
| 3 | SMS3H-1 | .33 (8,4) | TF-4 | 1.82 (46,2) | .76 (19,3) | .42 (10,6) | 2.22 (56,3) |
| 4 | SMS4H-1 | .39 (9,9) | TF-4 | 1.82 (46,2) | .96 (24,3) | .42 (10,6) | 2.22 (56,3) |
| 6 | SMS6H-1 | .32 (8,1) | TF-4 | 1.82 (46,2) | .76 (19,3) | .62 (15,7) | 2.22 (56,3) |
| 9 | SMS9H-1 | .36 (9,1) | TF-5 | 1.78 (45,2) | .76 (19,3) | .82 (20,8) | 2.18 (55,3) |
| 12 | SMS12H-1 | .400 (10,2) | TF-5 | 1.78 (45,2) | .76 (19,3) | 1.02 (25,9) | 2.18 (55,3) |
| 15 | SMS15H-1 | .435 (10,9) | TF-5 | 1.98 (50,2) | .76 (19,3) | 1.22 (30,9) | 2.38 (60,4) |
| 18 | SMS18H-1 | .465 (11,7) | TF-5 | 1.98 (50,2) | .76 (19,3) | 1.42 (36,0) | 2.38 (60,4) |
| 24 | SMS24H-1 | .50 (12,7) | TF-5 | 1.99 (50,5) | .96 (24,3) | 1.42 (36,0) | 2.39 (60,7) |
| 36 | SMS36H-1 | .62 (15,7) | TF-5 | 2.28 (57,9) | 1.96 (49,7) | 1.02 (25,9) | 2.68 (68,0) |

All Dimensions: $\frac{\text{in.}}{(\text{mm})}$

PIN PROTECTION SHROUDS

When pins are inserted into the panelmount receptacle half of the QIKMATE connector, an optional pin protection shroud can be installed. The shroud is mounted at the same time as the receptacle by holding the shroud against the mating side of the panel with both cut-outs lined up. The receptacle is then inserted in place, trapping the shroud between the receptacle and panel. The use of the pin protection shroud reduces the allowable thickness of the panel from .090 to .062 (max.).



All Dimensions: $\frac{\text{in.}}{(\text{mm})}$

| Number of Contacts | Catalog Number | A | B |
|--------------------|----------------|----------------|----------------|
| 2 | SMS2CSB1 | .78 (19,8) | .74 (18,8) |
| 3 | SMS3CSB1 | .92 (23,4) | |
| 4 | SMS4CSB1 | 1.12 (28,4) | |
| 6 | SMS6CSB1 | .92 (23,4) | .94 (23,9) |
| 9 | SMS9CSB1 | | 1.14 (29,0) |
| 12 | SMS12CSB1 | | 1.34 (34,0) |
| 15 | SMS15CSB1 | | 1.54 (39,1) |
| 18 | SMS18CSB1 | | 1.74 (44,2) |
| 24 | SMS24CSB1 | 1.12 (28,4) | 1.74 (44,2) |
| 36 | SMS36CSB1 | 2.13 (54,1) | 1.34 (34,0) |

DISCRIMINATING PINS

Discriminating pins are non-conductive plastic contacts. Inserted into unfilled contact holes, they permit mating only with QIKMATE connectors having a corresponding vacant contact position.

Discriminating pins are available in quantities of 5. When ordering, please quote catalog number SMSPKB1-5PK.

For the P.C. boardmount, a polarizing sleeve that slips over the fixed pin is also available. When requesting sleeves, please quote catalog number SMSPKB-2.

