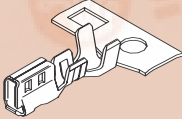
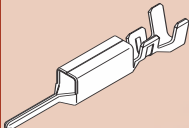
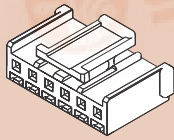
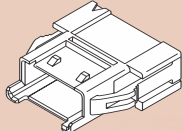
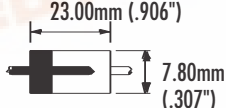
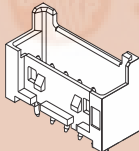
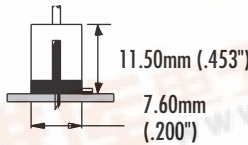
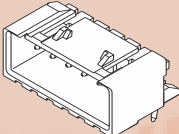
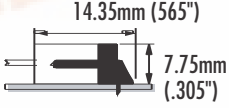


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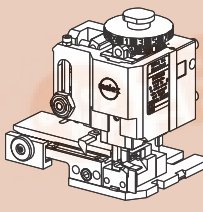
|                                                                                     | Description                         | Order No.  | Circuits            | Wire Range  | Mated Dimensions                                                                     | Material                   | Packaging   |
|-------------------------------------------------------------------------------------|-------------------------------------|------------|---------------------|-------------|--------------------------------------------------------------------------------------|----------------------------|-------------|
| Terminals                                                                           |                                     |            |                     |             |                                                                                      |                            |             |
|    | Female Crimp Terminal               | 50351-8000 | —                   | 22 - 28 AWG | —                                                                                    | Tin Plated Phosphor Bronze | Reel        |
|                                                                                     |                                     | 50351-8100 |                     |             |                                                                                      |                            | Bag         |
|    | Male Crimp Terminal                 | 50837-8000 | —                   | 22 - 28 AWG | —                                                                                    | Tin Plated Phosphor Bronze | Reel        |
|                                                                                     |                                     | 50837-8100 |                     |             |                                                                                      |                            | Bag         |
| Crimp Housings                                                                      |                                     |            |                     |             |                                                                                      |                            |             |
|    | Positive Locking Receptacle Housing | 51103-XX00 | 02 - 15             | —           | —                                                                                    | PBTP                       | Bag         |
|   | Plug Housing                        | 51198-XX00 | 02 - 10, 12, 14, 15 | —           |   | PBT                        | Bag         |
| Headers                                                                             |                                     |            |                     |             |                                                                                      |                            |             |
|  | Vertical Header with Peg            | 53375-YY10 | 02 - 15             | —           |  | Glass-filled PBTP          | Tray        |
|                                                                                     |                                     | 53375-YY90 | 02 - 08             | —           |                                                                                      |                            | Radial Tape |
|  | Right Angle Header                  | 53426-XX19 | 02 - 15             | —           |  | Glass-filled PBTP          | Tray        |
|                                                                                     |                                     | 53426-XX70 | 02 - 08             | —           |                                                                                      |                            | Radial Tape |

Replace "XX" with number of circuits.

Replace "YY" with number of circuits plus 30; for example an 11 circuit header is part number 53375-4110

**Note:** Mated receptacle to header dimensions are for the -YY10 and -XX19 versions

#### APPLICATION TOOLING

|                                                                                     | Terminal   | Insulation Diameter | Strip Length                  | Order No.          |                        |                |            |
|-------------------------------------------------------------------------------------|------------|---------------------|-------------------------------|--------------------|------------------------|----------------|------------|
|                                                                                     |            |                     |                               | TM-2000 Applicator | TM-40/TM-42 Applicator | Extractor Tool | Hand Tool  |
|  | 50351-8000 | 1.80mm (.071") max. | 2.30 - 2.80mm (.091 to .110") | 63860-5100         | 63850-5100             | 57309-6000     | —          |
|                                                                                     | 50351-8100 |                     |                               | —                  | —                      | 57309-6000     | 57295-5000 |
|                                                                                     | 50837-8000 |                     |                               | Contact Molex      | Contact Molex          | —              | —          |
|                                                                                     | 50837-8100 |                     |                               | —                  | —                      | —              | 57391-5000 |

## FEATURES AND BENEFITS

### 查询"63860-5100"供应商

- Four point contact design for greater reliability
- Anti-fishhooking contact design eliminates tangling of crimped leads during cable assembly
- Locking tang on contact for secure retention to the housing
- Positive lock on receptacle housing assures secure retention when mated to headers
- Over-stress feature protects the locking latch
- Pull tabs assist in easy unmating
- Polarized mating geometry assures headers and receptacles cannot be mis-mated
- Polarizing peg on vertical headers assures proper orientation on PCB
- Kinked solder tails assure PCB retention during wave soldering
- Fully shrouded headers with guide ramp protects pins and aids mating
- Lead-free plating

## SPECIFICATIONS

### Reference Information

Recommended Wire Style: UL 1007  
UL File No.: E29179  
CSA File No.: LR19980  
TUV Approved  
RoHS Compliant

### Electrical

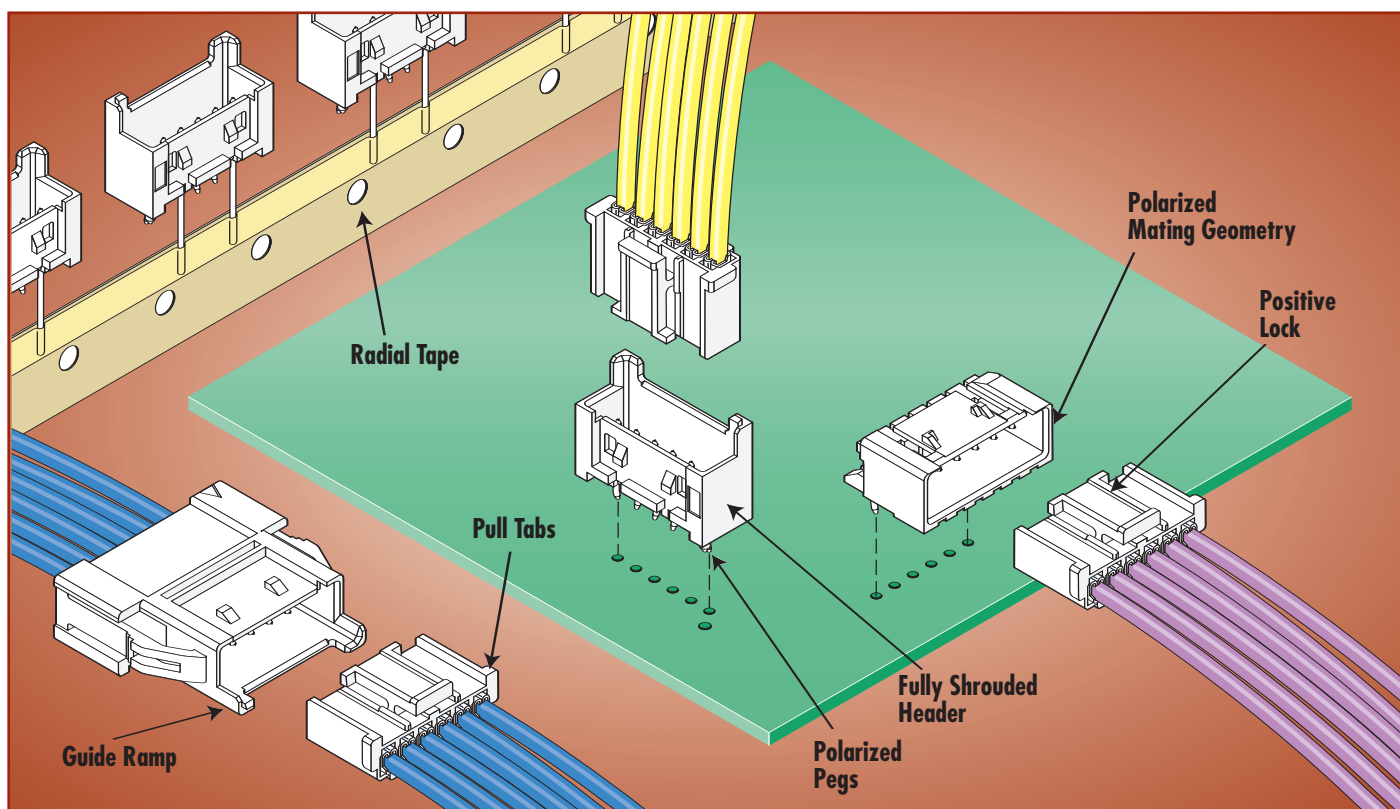
Current: 3.0A max.  
Voltage: 250V  
Contact Resistance: 20 milliohms max.  
Dielectric Withstanding Voltage: 1000V AC / 1 Minute  
Insulation Resistance: 1000 Megohms min.

### Physical

Housing: PBTP, UL 94V-0  
Header: PBTP, UL 94V-0  
Terminal: Phosphor Bronze  
Pin: Phosphor Bronze  
Plating: Lead-free Tin  
Operating Temperature: -40 to +105°C

### Mechanical

Mating Force (10 Circuit Parts): 6.4N max.  
Unmating Force (10 Circuit Parts): 0.98N min.  
Durability: 30 Cycles



**Americas Headquarters**  
Lisle, Illinois 60532 U.S.A.  
1-800-78MOLEX  
amerinfo@molex.com

**Far East North Headquarters**  
Yamato, Kanagawa, Japan  
81-462-65-2324  
feninfo@molex.com

**Far East South Headquarters**  
Jurong, Singapore  
65-6-268-6868  
fesinfo@molex.com

**European Headquarters**  
Munich, Germany  
49-89-413092-0  
eurinfo@molex.com

**Corporate Headquarters**  
2222 Wellington Ct.  
Lisle, IL 60532 U.S.A.  
630-969-4550  
Fax: 630-969-1352

Visit our Web site at <http://www.molex.com>