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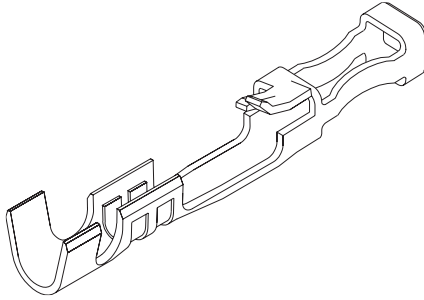
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Jameco Part Number 2026722

# 2.54mm (.100") Pitch SL™ Terminal

## 71851 Female, High Force Crimp



### Features and Benefits

- Dual beam, fully-enclosed box contact
- Higher mating force than standard crimp terminal
- For use with low current/high vibration applications in small circuit sizes
- Dual tab strain relief
- Locking tang secures terminal in housing

### Reference Information

Product Specification: PS-71851

Packaging: Reel or bag

Mates With: 70021 male crimp terminals,  
70431 and 70475 male connector assemblies  
and 0.64mm (.025") square pins

Use With: 70066 and 70450 housings

Designed In: Inches

### Electrical

Voltage: 250V

Current: 3.0A

Contact Resistance: 15 milliohms max.

Insulation Resistance: 10,000 Megohms min.

### Mechanical

Contact Retention to Housing: 17.79N (4.0 lb) min.

Wire Pull-Out Force: 17.79N (4.0 lb) min.

Mating Force: Tin—12.14N (2.73 lb) max.

Gold—5.07N (1.14 lb)

Unmating Force: Tin—3.60N (.81 lb) min.

Gold—2.36N (.53 lb)

Durability: Tin—25 cycles; Gold—50 cycles

### Physical

Contact: Copper Alloy

Plating: See Table

Operating Temperature: -40 to +105°C

Wire Gauge: 22 to 24 and 24 to 30 AWG

### Not For Use With C-Grid III™ Components

| Reel                       |         |                           |                                     |           |
|----------------------------|---------|---------------------------|-------------------------------------|-----------|
| Order No.                  | Plating | Wire Range (AWG) Stranded | Insulation Maximum Outside Diameter | Lead-free |
| <a href="#">16-02-1111</a> | 1       | 22-24                     | 1.63 (.064)                         | Yes       |
| <a href="#">16-02-1113</a> |         | 24-30                     | 1.52 (.060)                         |           |
| <a href="#">16-02-1124</a> |         | 22-24                     | 1.63 (.064)                         |           |
| <a href="#">16-02-0119</a> | 2       | 24-30                     | 1.52 (.060)                         |           |
| <a href="#">16-02-1110</a> |         | 22-24                     | 1.63 (.064)                         |           |
| <a href="#">16-02-1112</a> | 3       | 24-30                     | 1.52 (.060)                         |           |

| Bag                        |         |                           |                                     |           |
|----------------------------|---------|---------------------------|-------------------------------------|-----------|
| Order No.                  | Plating | Wire Range (AWG) Stranded | Insulation Maximum Outside Diameter | Lead-free |
| <a href="#">16-02-1115</a> | 1       | 22-24                     | 1.63 (.064)                         | Yes       |
| <a href="#">16-02-1117</a> |         | 24-30                     | 1.52 (.060)                         |           |
| <a href="#">16-02-1125</a> |         | 22-24                     | 1.63 (.064)                         |           |
| <a href="#">16-02-1109</a> | 2       | 24-30                     | 1.52 (.060)                         |           |
| <a href="#">16-02-1114</a> |         | 22-24                     | 1.63 (.064)                         |           |
| <a href="#">16-02-1116</a> | 3       | 24-30                     | 1.52 (.060)                         |           |

Plating No. 1: 30µm min. Gold in select area over 50µm min. Nickel overall with 75µm Tin

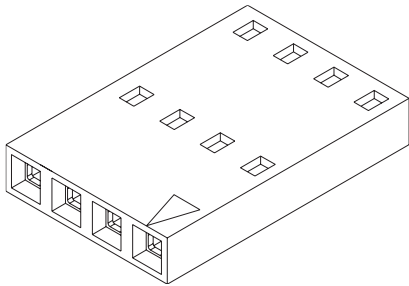
Plating No. 2: 15µm min. Gold in select area over 50µm min. Nickel overall with 75µm min. Tin in select area

Plating No. 3: 150µm Tin over 50µm Nickel overall

Each reel contains 20,000 terminals

# 2.54mm (.100") Pitch SL™ Crimp Housing

## 70066 Single Row Version A, Nonpolarized



### Features and Benefits

- Sizes 2 to 25 circuits
- End-to-end and side-to-side stackable for single or dual row connections to a 2.54mm (.100") pitch grid pin field

### Reference Information

Product Specification: PS-70400

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 2.54mm (.100") pitch, single or dual row  
headers (C-Grid®, SL, KK®)

Use With: 70058 and 71851 crimp terminals

Designed In: Inches

### Physical

Housing: Black polyester, UL 94V-0

Operating Temperature: -40 to +105°C

Delivered on a carrier with 20 pieces per strip.

**Actual Size**  **Universal Polarizing Pin**  
40713-1  
Order No. 15-04-0292

### Not For Use With C-Grid III™ Components

| Circuits | Order No.                  |
|----------|----------------------------|
| 2        | <a href="#">50-57-9002</a> |
| 3        | <a href="#">50-57-9003</a> |
| 4        | <a href="#">50-57-9004</a> |
| 5        | <a href="#">50-57-9005</a> |
| 6        | <a href="#">50-57-9006</a> |
| 7        | <a href="#">50-57-9007</a> |
| 8        | <a href="#">50-57-9008</a> |
| 9        | <a href="#">50-57-9009</a> |

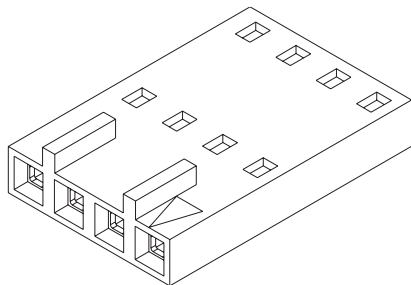
| Circuits | Order No.                  |
|----------|----------------------------|
| 10       | <a href="#">50-57-9010</a> |
| 11       | <a href="#">50-57-9011</a> |
| 12       | <a href="#">50-57-9012</a> |
| 13       | <a href="#">50-57-9013</a> |
| 14       | <a href="#">50-57-9014</a> |
| 15       | <a href="#">50-57-9015</a> |
| 16       | <a href="#">50-57-9016</a> |
| 17       | <a href="#">50-57-9017</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 18       | <a href="#">50-57-9018</a> |
| 19       | <a href="#">50-57-9019</a> |
| 20       | <a href="#">50-57-9020</a> |
| 21       | <a href="#">50-57-9021</a> |
| 22       | <a href="#">50-57-9022</a> |
| 23       | <a href="#">50-57-9023</a> |
| 24       | <a href="#">50-57-9024</a> |
| 25       | <a href="#">50-57-9025</a> |

## 2.54mm (.100") Pitch SL™ Crimp Housing

### 70066

#### Single Row Version C, Front Ribs



**Not For Use With C-Grid III™ Components**

| Circuits | Order No.                  |
|----------|----------------------------|
| 2        | <a href="#">50-57-9202</a> |
| 3        | <a href="#">50-57-9203</a> |
| 4        | <a href="#">50-57-9204</a> |
| 5        | <a href="#">50-57-9205</a> |
| 6        | <a href="#">50-57-9206</a> |
| 7        | <a href="#">50-57-9207</a> |
| 8        | <a href="#">50-57-9208</a> |
| 9        | <a href="#">50-57-9209</a> |

#### Features and Benefits

- Sizes 2 to 25 circuits
- Front ribs prevent contact damage when unmating the connector from a header; the housing cannot be twisted off pins
- Front ribs provide 180° polarization

#### Reference Information

Product Specification: PS-70400  
 Packaging: Bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 Mates With: 2.54mm (.100") pitch SL headers  
 Use With: 70058 and 71851 crimp terminals  
 Designed In: Inches

#### Physical

Housing: Black polyester, UL 94V-0  
 Operating Temperature: -40 to +105°C

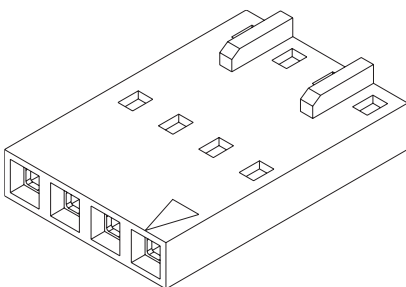
Delivered on a carrier with 20 pieces per strip.

Actual Size  Universal Polarizing Pin  
 40713-1  
 Order No. 15-04-0292

## 2.54mm (.100") Pitch SL™ Crimp Housing

### 70066

#### Single Row Version D, Back Ribs



**Not For Use With C-Grid III™ Components**

| Circuits | Order No.                  |
|----------|----------------------------|
| 2        | <a href="#">50-57-9302</a> |
| 3        | <a href="#">50-57-9303</a> |
| 4        | <a href="#">50-57-9304</a> |
| 5        | <a href="#">50-57-9305</a> |
| 6        | <a href="#">50-57-9306</a> |
| 7        | <a href="#">50-57-9307</a> |
| 8        | <a href="#">50-57-9308</a> |
| 9        | <a href="#">50-57-9309</a> |

#### Features and Benefits

- Sizes 2 to 25 circuits
- Designed for use with interim clips and panel mount connectors to form a larger single mating connector
- Back ribs maintain position of connector housing in interim clip and panel mount, and allow for end-to-end or side-to-side stacking in interim clips and panel mount connectors

#### Reference Information

Product Specification: PS-70400  
 Packaging: Bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 Accessories: Interim clips 70004 and 70013 to form female connector assembly; panel mount connectors 70018, 70022 and 70104 to form a male pin assembly  
 Use With: 70021, 70058 and 71851 crimp terminals  
 Designed In: Inches

#### Physical

Housing: Black polyester, UL 94V-0  
 Operating Temperature: -40 to +105°C

Delivered on a carrier with 20 pieces per strip.

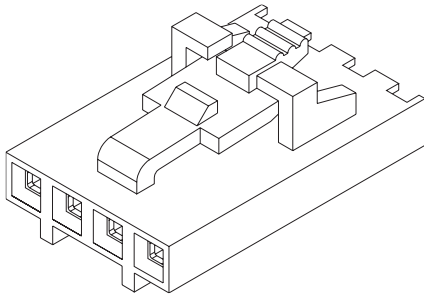
Actual Size  Universal Polarizing Pin  
 40713-1  
 Order No. 15-04-0292

| Circuits | Order No.                  |
|----------|----------------------------|
| 10       | <a href="#">50-57-9310</a> |
| 11       | <a href="#">50-57-9311</a> |
| 12       | <a href="#">50-57-9312</a> |
| 13       | <a href="#">50-57-9313</a> |
| 14       | <a href="#">50-57-9314</a> |
| 15       | <a href="#">50-57-9315</a> |
| 16       | <a href="#">50-57-9316</a> |
| 17       | <a href="#">50-57-9317</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 18       | <a href="#">50-57-9318</a> |
| 19       | <a href="#">50-57-9319</a> |
| 20       | <a href="#">50-57-9320</a> |
| 21       | <a href="#">50-57-9321</a> |
| 22       | <a href="#">50-57-9322</a> |
| 23       | <a href="#">50-57-9323</a> |
| 24       | <a href="#">50-57-9324</a> |
| 25       | <a href="#">50-57-9325</a> |

# 2.54mm (.100") Pitch SL™ Crimp Housing

**70066**  
Single Row  
Version G, Positive Latch



### Features and Benefits

- Sizes 2 to 25 circuits
- Positive latch secures housing to locking crown of mating header or panel mount
- Anti-entanglement/overstress ribs prevent discrete wires from catching under latch during harness manufacturing and storage
- Front ribs prevent contact damage when unmating the connector from a header; the housing cannot be twisted off pins

### Reference Information

Product Specification: PS-70400  
Packaging: Bag  
UL File No.: E29179  
CSA File No.: LR19980  
Mates With: 70018, 70107A/B, 70541, 70543, 70545, 70551, 70553, 70555, 70634 and 74099  
Use With: 70058 and 71851 crimp terminals  
Designed In: Inches

### Physical

Housing: Black polyester, UL 94V-0  
Operating Temperature: -40 to +105°C

Delivered on a carrier with 20 pieces per strip.

Actual Size  Universal Polarizing Pin  
40713-1  
Order No. 15-04-0292

### Not For Use With C-Grid III™ Components

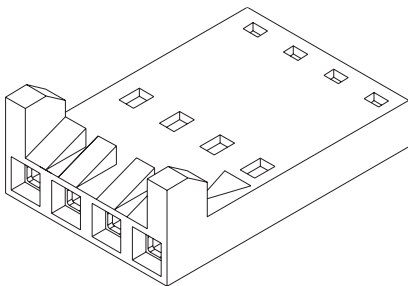
| Circuits | Order No.                  |
|----------|----------------------------|
| 2        | <a href="#">50-57-9402</a> |
| 3        | <a href="#">50-57-9403</a> |
| 4        | <a href="#">50-57-9404</a> |
| 5        | <a href="#">50-57-9405</a> |
| 6        | <a href="#">50-57-9406</a> |
| 7        | <a href="#">50-57-9407</a> |
| 8        | <a href="#">50-57-9408</a> |
| 9        | <a href="#">50-57-9409</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 10       | <a href="#">50-57-9410</a> |
| 11       | <a href="#">50-57-9411</a> |
| 12       | <a href="#">50-57-9412</a> |
| 13       | <a href="#">50-57-9413</a> |
| 14       | <a href="#">50-57-9414</a> |
| 15       | <a href="#">50-57-9415</a> |
| 16       | <a href="#">50-57-9416</a> |
| 17       | <a href="#">50-57-9417</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 18       | <a href="#">50-57-9418</a> |
| 19       | <a href="#">50-57-9419</a> |
| 20       | <a href="#">50-57-9420</a> |
| 21       | <a href="#">50-57-9421</a> |
| 22       | <a href="#">50-57-9422</a> |
| 23       | <a href="#">50-57-9423</a> |
| 24       | <a href="#">50-57-9424</a> |
| 25       | <a href="#">50-57-9425</a> |

# 2.54mm (.100") Pitch SL™ Crimp Housing

**70066**  
Single Row  
Version H



### Features and Benefits

- Sizes 2 to 25 circuits
- Stackable end-to-end
- Polarized latching ribs mate with Molex KK® series .100" pitch friction lock headers

### Reference Information

Product Specification: PS-70400  
Packaging: Bag  
UL File No.: E29179  
CSA File No.: LR19980  
Mates With: 6373 and 7478  
Use With: 70058 and 71851 crimp terminals  
Designed In: Inches

### Physical

Housing: Black polyester, UL 94V-0  
Operating Temperature: -40 to +105°C

Delivered on a carrier with 20 pieces per strip.

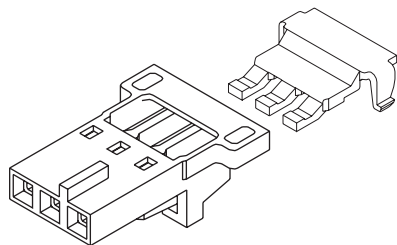
Actual Size  Universal Polarizing Pin  
40713-1  
Order No. 15-04-0292

### Not For Use With C-Grid III™ Components

| Circuits | Order No.                  |
|----------|----------------------------|
| 2        | <a href="#">50-57-9502</a> |
| 3        | <a href="#">50-57-9503</a> |
| 4        | <a href="#">50-57-9504</a> |
| 5        | <a href="#">50-57-9505</a> |
| 6        | <a href="#">50-57-9506</a> |
| 7        | <a href="#">50-57-9507</a> |
| 8        | <a href="#">50-57-9508</a> |
| 9        | <a href="#">50-57-9509</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 10       | <a href="#">50-57-9510</a> |
| 11       | <a href="#">50-57-9511</a> |
| 12       | <a href="#">50-57-9512</a> |
| 13       | <a href="#">50-57-9513</a> |
| 14       | <a href="#">50-57-9514</a> |
| 15       | <a href="#">50-57-9515</a> |
| 16       | <a href="#">50-57-9516</a> |
| 17       | <a href="#">50-57-9517</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 18       | <a href="#">50-57-9518</a> |
| 19       | <a href="#">50-57-9519</a> |
| 20       | <a href="#">50-57-9520</a> |
| 21       | <a href="#">50-57-9521</a> |
| 22       | <a href="#">50-57-9522</a> |
| 23       | <a href="#">50-57-9523</a> |
| 24       | <a href="#">50-57-9524</a> |
| 25       | <a href="#">50-57-9525</a> |

**2.54mm (.100") Pitch****SL™  
Crimp Housing****70066/73838****Single Row  
Version N, TPA  
with Positive Latch**

| Circuits | 70066 Version N TPA Crimp Housing | 73838 TPA                  |
|----------|-----------------------------------|----------------------------|
|          | Order No.                         | Order No.                  |
| 2        | <a href="#">50-57-9702</a>        | <a href="#">73838-0002</a> |
| 3        | <a href="#">50-57-9703</a>        | <a href="#">73838-0003</a> |
| 4        | <a href="#">50-57-9704</a>        | <a href="#">73838-0004</a> |
| 5        | <a href="#">50-57-9705</a>        | <a href="#">73838-0005</a> |
| 6        | <a href="#">50-57-9706</a>        | <a href="#">73838-0006</a> |
| 7        | <a href="#">50-57-9707</a>        | <a href="#">73838-0007</a> |
| 8        | <a href="#">50-57-9708</a>        | <a href="#">73838-0008</a> |

**Features and Benefits**

- Optimizes terminal-to-housing retention
- Virtually eliminates terminal backout when TPA is locked into place
- Upon seating TPA, audible click denotes system activation
- White/black color contrast provides easy identification of TPA system
- Positive locking latch secures housing to mating connector
- Anti-entanglement/overstress ribs prevent discrete wires from catching under latch during harness manufacturing and storage

**Reference Information**

Product Specification: PS-73838, PS-70400

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates with: 70018, 70107A/B, 70541, 70543, 70545, 70551, 70553, 70555, 70634 and 74099

Use with: 73838 TPA and 70058 or 71851 crimp terminals

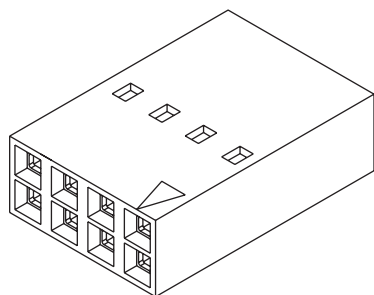
Designed In: Inches

**Physical**

Housing: Black polyester, UL 94V-0

TPA: White polyester, UL 94V-0

Operating Temperature: -40 to +105°C

**2.54mm (.100") Pitch****SL™  
Crimp Housing****70450****Dual Row  
Version A, Nonpolarized****Features and Benefits**

- Sizes 4 to 54 circuits
- End-to-end and side-to-side stackable for dual row connections to a 2.54mm (.100") pitch grid pin field

**Reference Information**

Product Specification: PS-70400

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 8724, 70229, 70280, 70287, 70567, 70568,

71308 and 71349 Molex dual row headers

Use With: 70058 and 71851 crimp terminals

Designed In: Inches

**Physical**

Housing: Black polyester, UL 94V-0

Operating Temperature: -40 to +105°C

Delivered on a carrier with 20 pieces per strip.

**Actual Size**  **Universal Polarizing Pin**  
40713-1  
Order No. 15-04-0292

**Not For Use With C-Grid III™ Components**

| Circuits | Order No.                  |
|----------|----------------------------|
| 4        | <a href="#">22-55-2041</a> |
| 6        | <a href="#">22-55-2061</a> |
| 8        | <a href="#">22-55-2081</a> |
| 10       | <a href="#">22-55-2101</a> |
| 12       | <a href="#">22-55-2121</a> |
| 14       | <a href="#">22-55-2141</a> |
| 16       | <a href="#">22-55-2161</a> |
| 18       | <a href="#">22-55-2181</a> |
| 20       | <a href="#">22-55-2201</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 22       | <a href="#">22-55-2221</a> |
| 24       | <a href="#">22-55-2241</a> |
| 26       | <a href="#">22-55-2261</a> |
| 28       | <a href="#">22-55-2281</a> |
| 30       | <a href="#">22-55-2301</a> |
| 32       | <a href="#">22-55-2321</a> |
| 34       | <a href="#">22-55-2341</a> |
| 36       | <a href="#">22-55-2361</a> |
| 38       | <a href="#">22-55-2381</a> |

| Circuits | Order No.                  |
|----------|----------------------------|
| 40       | <a href="#">22-55-2401</a> |
| 42       | <a href="#">22-55-2421</a> |
| 44       | <a href="#">22-55-2441</a> |
| 46       | <a href="#">22-55-2461</a> |
| 48       | <a href="#">22-55-2481</a> |
| 50       | <a href="#">22-55-2501</a> |
| 52       | <a href="#">22-55-2521</a> |
| 54       | <a href="#">22-55-2541</a> |



# PRODUCT SPECIFICATION

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|-------------------------------------|---|--|---------------------------------|
| REVISION:<br><b>K</b>               | ECR/ECN INFORMATION:<br>EC No: <b>UCP2009-1866</b><br>DATE: <b>2009 / 01 / 27</b> | TITLE:<br><b>PRODUCT SPECIFICATION<br/>SINGLE ROW – STACKABLE<br/>LINEAR (SL) CONNECTOR SYSTEM</b> | SHEET No.<br><b>1 of 13</b>     |
| DOCUMENT NUMBER:<br><b>PS-70400</b> | CREATED / REVISED BY:<br><b>FOX/MIBARRA</b>                                       | CHECKED BY:<br><b>STILES</b>   | APPROVED BY:<br><b>BRINKMAN</b> |



# PRODUCT SPECIFICATION

## 1.0 SCOPE

This specification is intended to define the mechanical, electrical and environmental requirements for the SL .100" (2.54) pitch modular, single row wire-to-board and wire-to-wire system.

SL is designed for high density signal applications. The system includes: low profile latching vertical and right angle headers; low profile housings for male and female crimp terminals; pre-assembled, single piece pin and receptacle connectors for Insulation Displacement Technology (IDT); panel mounts for modular wire-to-wire remote interconnections; and SL offers design flexibility and automated harness-making capabilities when combined with our tooling.

## 2.0 PRODUCT DESCRIPTION:

2.1 The following Series are covered by this product specification:

- 70021, male, crimp terminal
- 70058, female box, crimp terminal
- 71851, female box, high force crimp terminal
- 70066 & 70107, single row, crimp housing
- 70450 & 74130, dual row, crimp housing
- 70400, female, single row, insulation displacement, connector assembly
- 70475 & 71178, male, single row, insulation displacement, connector assembly

### Headers:

- 70541, single row, .120" pocket, wire-to-board, shrouded header, vertical, split peg
- 70543, single row, .120" pocket, wire-to-board, shrouded header, vertical
- 70545, single row, .120" pocket, wire-to-board, shrouded header, vertical, tri-peg
- 70546, single row, .120" pocket, wire-to-board, shrouded header, vertical, tri-peg
- 70551, single row, .120" pocket, wire-to-board, shrouded header, right angle, split peg
- 70553, single row, .120" pocket, wire-to-board, shrouded header, right angle
- 70555, single row, .120" pocket, wire-to-board, shrouded header, right angle, tri-peg
- 70556, single row, .120" pocket, wire-to-board, shrouded header, right angle, tri-peg
- 70563, single row, .180" pocket, wire-to-board, shrouded header, vertical
- 70564, single row, .180" pocket, wire-to-board, shrouded header, vertical
- 70566, single row, .180" pocket, wire-to-board, shrouded header, vertical, tri-peg
- 70571, single row, .180" pocket, wire-to-board, shrouded header, right angle, board snaps
- 70575, single row, .180" pocket, wire-to-board, shrouded header, right angle, tri-peg
- 70634, single row, .120" pocket, wire-to-board, shrouded header, right angle, tri-peg, SMT
- 71164, single row, .120" pocket, wire-to-board, shrouded header, voided circuits
- 74095, single row, .120" pocket, wire-to-board, shrouded header, vertical, compliant pin
- 74098, single row, .120" pocket, wire-to-board, shrouded header, right angle, split peg, SMT
- 74099, single row, .120" pocket, wire-to-board, shrouded header, vertical, SMT
- 74105, single row, .120" pocket, wire-to-board, shrouded header, right angle, SMT

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 2.2 DIMENSIONS, MATERIALS AND SPECIFICATIONS:

### 2.2.1 Mating Pin Height

**2.2.1.1** Maximum mating pin height: .320" (8.13 mm)

**2.2.1.2** Minimum mating pin height: .200" (5.08 mm)

### 2.2.2 Centerline spacing (pitch): .100" (2.54 mm)

**2.2.3** Wire Sizes: #22 - #28 AWG stranded wire, with an insulation diameter of .053" (1.35 mm) max.

**2.2.4** Molex cable: 7307, 7767, 8996, 8997, 24226, 24241, 24369 and 24389.

### 2.2.5 Termination Method:

**2.2.5.1** Crimp (70021, 70058)

**2.2.5.2** IDT (70400, 70475)

**2.2.6** Housings: (70066, 70450, 70107, 74130): Black Glass Filled Polyester, UL 94V-0

**2.2.7** Terminals: (70021, 70058, 71851): Phosphor Bronze

### 2.2.8 Plating: Gold and Tin

**2.2.8.1** Gold: 30 microinches minimum Gold in select area over Nickel overall with 75 microinches Tin in select area over Nickel overall

or

Gold: 15 microinches minimum Gold in select area over Nickel overall with 75 microinches Tin in select area over Nickel overall

**2.2.8.2** Tin: 150 microinches minimum Tin over Nickel overall.

See the appropriate Sales Drawing(s) for additional information on dimensions, materials, platings, and markings.

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 2.3 SAFETY AGENCY APPROVALS:

UL File Number . . . . . E29179  
CSA File Number . . . . . LR19980

## 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS:

All documents referenced shall be of the latest revision. The order of precedence shall be as follows.

- Product Drawings
- This product specification
- Reference documents

## 3.1 REFERENCE DOCUMENTS:

- EIA 364 Electronic Industries Association, Recommended Standard
- MIL-STD-202: Test methods for electronics and electrical component parts.
- UL-94: Tests for flammability of plastic material

## 4.0 RATINGS:

### 4.1 VOLTAGE:

250 V

### 4.2 CURRENT:

- 1.2 A - 28 AWG
- 1.8 A - 26 AWG
- 3.0 A - 24 AWG
- 3.0 A - 22 AWG

### 4.2 TEMPERATURE:

Operating: -40 °C to +105 °C  
Processing: See chart on next page.

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 5.0 PERFORMANCE:

### 5.1 ELECTRICAL PERFORMANCE:

| Item                            | Test Condition   | Requirement   |
|---------------------------------|--|---|
| Contact Resistance (Low Level)  | Mate Connectors with a maximum voltage of 20mV and a current of 100 mA.  | <b>30</b> milliohm Maximum Initial                              |
| Insulation Resistance           | Mate Connectors with a voltage of <b>500</b> VDC between adjacent terminals and between terminals and ground.      | <b>1000</b> Megohms Minimum                                     |
| Dielectric Withstanding Voltage | Mate Connectors with a voltage of 1500 VAC for 1 min. between adjacent terminals and between terminals and ground. | No breakdown  |
| Capacitance                     | Measure between adjacent terminals at 1 MHz. (Loaded: 50 ohms impedance)   | Loaded: <b>2</b> picofarad max.<br>Unloaded: 0.5 picofarad max. |

### 5.2 MECHANICAL PERFORMANCE:

| Item   | Test Condition   | Requirement   |
|--|--|---|
| Terminal Insertion and Withdrawal Forces         | Insert and withdraw a terminal (male to female) at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.   | 70058 - Insertion force shall be 4.45 N (1.0 lb) max. and withdrawal 0.56 N (0.125 lb) min. 71851 - Insertion force shall be 13.34 N (3.0 lb) max. and withdrawal 1.67 N (0.375 lb) min |
| Terminal Retention Force (in Housing)            | Axial pullout force on the terminal in the housing at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.  | Contact : 17.79 N (4.0 lbs.) min.   |
| Durability                                       | Mate connectors up to 25 cycles for tin plating and 50 cycles for gold plating at a maximum rate of 10 cycles per minute prior to defined Environmental Tests. | Contact Resistance : 10 milliohms Maximum Change from Initial   |
| Vibration Mil-Std-1344 Method 2005.1 Condition I | Amplitude: 1.50mm (.060 inch) peak to peak<br>Sweep: 10-55-10 Hz in one minute<br>Duration: 2 hours in each X-Y-Z axis. (Test module shall be per Section 7.0) | Contact Resistance: 10 milliohms Maximum Change from Initial<br>Discontinuity: not greater than one microsecond   |

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

| Item   | Test Condition   | Requirement   |
|--|--|---|
| Mechanical Shock<br>Mil-Std-1344<br>Method 2004.1<br>Condition A | 50 g's with three 1/2 sine wave form shocks in each X-Y-Z axis.<br>(Test module shall be per Section 8.2)                      | Contact Resistance:<br>10 milliohms Maximum<br>Change from Initial<br>Discontinuity: not greater than one microsecond   |
| Wire Pullout Force<br>(Axial)                                    | Apply an axial pullout force on the wire at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.                                      | Pullout force - 75% tensile strength of wire, minimum.  |
| Wire Pullout Force<br>(Right Angle)                              | Apply a right angle pullout force on the wire at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.                                 | Pullout force - 75% tensile strength of wire, minimum.<br><br>20 Newton's and below - no plastic deformation / no electrical discontinuity<br><br>Above 20 and below 60 Newton's - slight non-functional plastic deformation / no electrical discontinuity. |
| Terminal Insertion Force (into Housing)                          | Apply an axial insertion force on the terminal at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute.                                | 13.34 N (3.0 lbs) maximum insertion force.  |
| Wire Flex  | Flex cable 180° for 500 cycles.  | Contact resistance:<br>10 milliohms Maximum<br>Change from Initial.<br>Appearance: No Damage  |
| Normal Force   | Apply a perpendicular force at a rate of 25 ± 6mm (1 ± 1/4 inch) per minute on the contacts in a manner simulating actual use. | 0.49 N (50 grams) minimum end of life, for gold plating<br>0.98 N (100 grams) minimum end of life, for tin plating.   |
| Connector Retention  | Apply a perpendicular force of 45 N to the wire harness using a free hanging weight.   | No deformation or Terminal separation   |

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 5.3 ENVIRONMENTAL PERFORMANCE

| Item   | Test Condition  | Requirement  |                |           |           |           |            |  |    |           |       |           |    |   |
|--|---|--|----------------|-----------|-----------|-----------|------------|--|----|-----------|-------|-----------|----|---|
| Thermal Shock<br>Mil-Std-202F<br>Method 107 E            | Mate connectors exposed to 10 cycles of:<br><table border="1"> <thead> <tr> <th>Temperature °C</th> <th>Duration (Min)</th> </tr> </thead> <tbody> <tr> <td>-40 +0/-3</td> <td>30</td> </tr> <tr> <td>+25 +/-10</td> <td>5 Max</td> </tr> <tr> <td>+105 +3/-0</td> <td>30</td> </tr> <tr> <td>+25 +/-10</td> <td>5 Max</td> </tr> <tr> <td>-40 +0/-3</td> <td>30</td> </tr> </tbody> </table>   | Temperature °C   | Duration (Min) | -40 +0/-3 | 30        | +25 +/-10 | 5 Max      | +105 +3/-0   | 30 | +25 +/-10 | 5 Max | -40 +0/-3 | 30 | Appearance: No Damage<br>Contact Resistance:<br>10 milliohms maximum<br>change from initial |
| Temperature °C   | Duration (Min)  |  |                |           |           |           |            |  |    |           |       |           |    |   |
| -40 +0/-3  | 30  |  |                |           |           |           |            |  |    |           |       |           |    |   |
| +25 +/-10  | 5 Max   |  |                |           |           |           |            |  |    |           |       |           |    |   |
| +105 +3/-0   | 30  |  |                |           |           |           |            |  |    |           |       |           |    |   |
| +25 +/-10  | 5 Max   |  |                |           |           |           |            |  |    |           |       |           |    |   |
| -40 +0/-3  | 30  |  |                |           |           |           |            |  |    |           |       |           |    |   |
| Thermal Aging<br>Mil-Std-202F<br>Method 108              | Mate connectors; expose to 240 hours<br>at 105 ± 3° C   | Appearance: No Damage<br>Contact Resistance:<br>10 milliohms maximum<br>change from initial  |                |           |           |           |            |  |    |           |       |           |    |   |
| Humidity (Steady<br>State)<br>Mil-Std-202F<br>Method 103 | Mate connectors; expose to a<br>temperature of :<br>85 ± 2° C with a Relative Humidity of<br>92 ± 3% for 96 hours.<br><br>Note: Remove surface moisture and<br>air dry for 1 hour prior to<br>measurements.   | Appearance: No Damage<br>Contact Resistance:<br>10 milliohms maximum<br>change from initial.<br>Dielectric Withstanding<br>Voltage: No Breakdown<br>Insulation Resistance:<br>1000 Megohms Minimum |                |           |           |           |            |  |    |           |       |           |    |   |
| Humidity<br>(Cyclic)<br>Mil-Std-202<br>Method 105        | Mate connectors; expose for 10 cycles<br>at 90-98% relative humidity with a<br>transition time of 2.5 hours between<br>extremes:<br><table border="1"> <thead> <tr> <th>Temperature °C</th> <th>Duration (Min)</th> </tr> </thead> <tbody> <tr> <td>+25 ± 10</td> <td>5 maximum</td> </tr> <tr> <td>+65 +3/-0</td> <td>15 maximum</td> </tr> </tbody> </table><br>Note: Remove surface moisture and<br>air dry for one hour prior to<br>measurements. | Temperature °C   | Duration (Min) | +25 ± 10  | 5 maximum | +65 +3/-0 | 15 maximum | Appearance: No Damage<br>Contact Resistance: 10<br>milliohms maximum<br>change from initial.<br>Dielectric Withstanding<br>Voltage: No Breakdown<br>Insulation Resistance:<br>1000 Megohms Minimum |    |           |       |           |    |   |
| Temperature °C   | Duration (Min)  |  |                |           |           |           |            |  |    |           |       |           |    |   |
| +25 ± 10   | 5 maximum   |  |                |           |           |           |            |  |    |           |       |           |    |   |
| +65 +3/-0  | 15 maximum  |  |                |           |           |           |            |  |    |           |       |           |    |   |
| Temperature Rise<br>and<br>Current Cycling               | Temperature Rise: Mate the<br>connectors; and measure the<br>temperature rise at the rated current<br>after 96 hours.<br><br>Current Cycling: Mate connectors;<br>measure the temperature rise at the<br>rated current after 500 hours (45<br>minutes ON and 15 minutes OFF per<br>hour).   | Temperature Rise: 30°C<br>above ambient maximum<br><br>Temperature Rise: 30°C<br>above ambient maximum   |                |           |           |           |            |  |    |           |       |           |    |   |

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

| Item                            | Test Condition   | Requirement   |
|---------------------------------|--|---|
| Solderability<br>Molex SMES-152 | Steam age 1 hr. Solder time $5 \pm 0.5$ seconds. Solder temperature: $245 \pm 5^\circ\text{C}$<br>Non activated flux.  | 95% of the immersed area must show no voids, pin holes          |
| Flowing Mixed Gas (FMG)         | Battelle Class II, 10 ppm $\text{Cl}_2$ , 10 ppm $\text{H}_2\text{S}$ , 100 ppm $\text{NO}_2$ , $70 \pm 1\%$ R.H., 25 deg. C.<br>50-60 CFM. 10 days mated and 7 days unmated exposure. | Contact Resistance:<br>10 milliohms Maximum change from Initial |
| Resistance to Solder Heats      | Solder Time $3 \pm 0.5$ seconds<br>Solder Temperature: $260 \pm 5^\circ\text{C}$<br>Immerse leads to a depth of 1.57mm (.062 in.) from connector body.                                 | Appearance: No damage or discoloration of connector materials.  |

## 6.0 PACKAGING:

Parts are packaged in trays, tubes or bulk packed, refer to appropriate Sales Drawing for specific information.

## 7.0 QUALITY ASSURANCE PROVISIONS:

### 7.1 MATERIAL INSPECTION:

Shall consist of certification supported by verifying data.

### 7.2 ACCEPTANCE INSPECTION:

Acceptance of ongoing production product shall be determined by inspection according to Molex approved quality plans and required PPM levels for critical characteristics.

### 7.3 CONFORMANCE TESTING:

Shall be performed on production quality manufactured products. Sample size shall be per 8.1.

### 7.4 Gages:

Terminal insertion/withdrawal testing should be performed with the gage pin detailed below.

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 8.0 QUALIFICATION REQUIREMENTS:

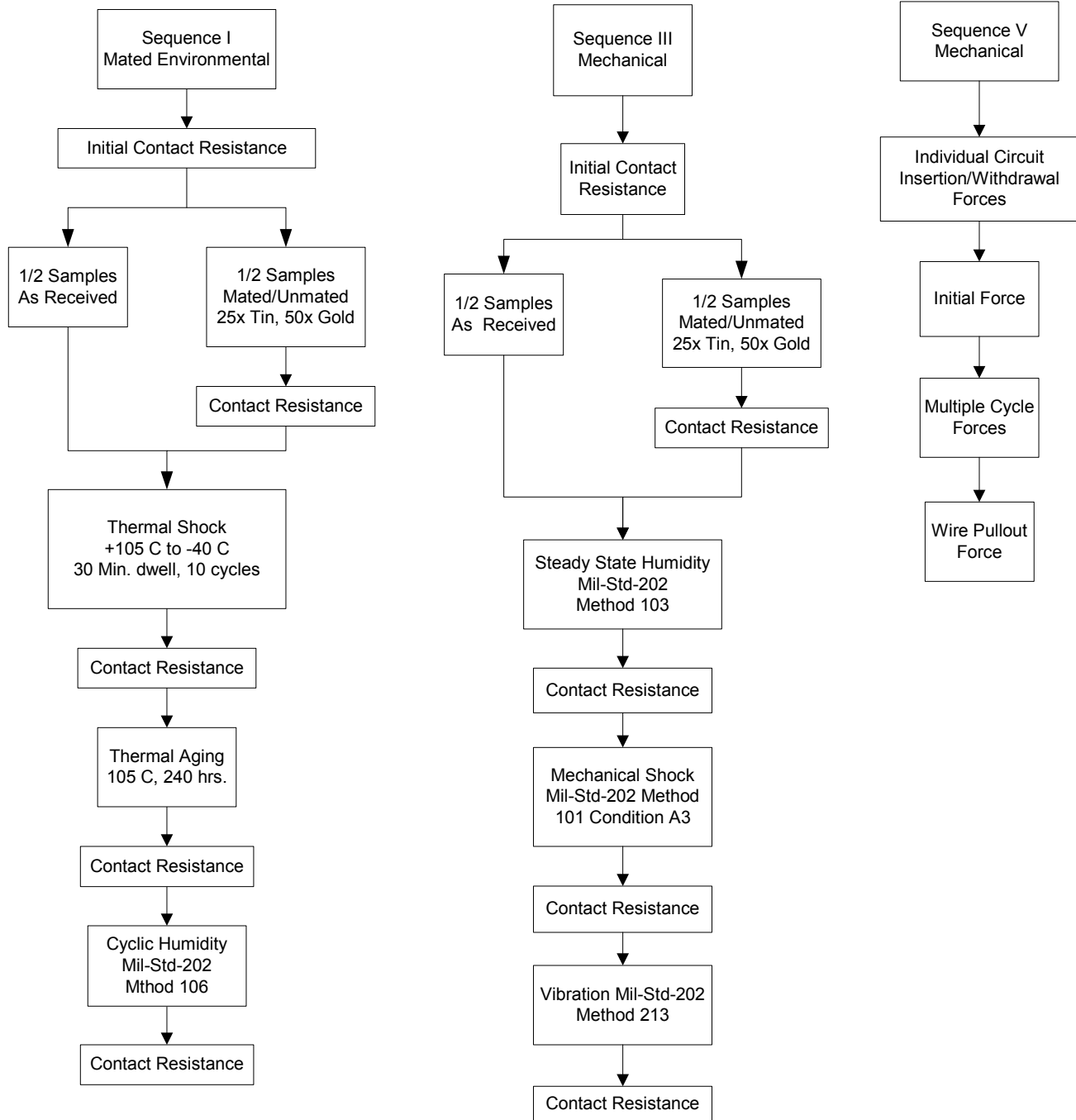
### 8.1 QUALIFICATION TESTING:

1. Samples for testing shall be representative of normal production lots.
2. Sample groups shall consist of a minimum (5) mated pairs of headers and receptacles. 30 minimum data points per group shall be measured. Measurements shall be taken from the middle and ends of the connectors as a minimum.

|                                     |   |  |                                 |
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## 9.0 TEST SUMMARY:

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 9.1 SEQUENCE I - MATED ENVIRONMENTAL:

| TEST CONDITION            | TREATMENT               | REQUIREMENT                    | UNITS                   | MEAN  | MINIMUM | MAXIMUM |
|---------------------------|-------------------------|--------------------------------|-------------------------|-------|---------|---------|
| <b>Contact Resistance</b> | Initial                 | 30 max.                        | milliohms               | 14.47 | 13.77   | 15.08   |
|                           | After Durability        | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | .09   | -0.82   | 1.40    |
|                           | After Shock (Thermal)   | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | .02   | -1.15   | 1.32    |
|                           | After Thermal Aging     | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | .00   | -1.06   | 1.18    |
|                           | After Humidity (Cyclic) | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | .25   | -1.00   | 1.78    |

## 9.2 SEQUENCE III - MECHANICAL:

| TEST CONDITION            | TREATMENT                     | REQUIREMENT                    | UNITS                   | MEAN | MINIMUM | MAXIMUM |
|---------------------------|-------------------------------|--------------------------------|-------------------------|------|---------|---------|
| <b>Contact Resistance</b> | Initial                       | 30 max.                        | milliohms               | 8.6  | 8.0     | 9.4     |
|                           | After Humidity (Steady State) | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | 8.6  | 8.0     | 9.6     |
|                           | After Shock (Mechanical)      | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | 8.7  | 8.1     | 9.9     |
|                           | After Vibration               | 10 max.<br>Change from initial | $\Delta$ -<br>milliohms | 8.7  | 8.1     | 9.4     |

|                                     |   |  |                                 |
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# PRODUCT SPECIFICATION

## 9.3 ENVIRONMENTAL PERFORMANCE:

| TEST CONDITION                               | TREATMENT | REQUIREMENT  | UNITS | MAXIMUM |
|--|-----------|--------------|-------|---------|
| Temperature Rise and Current Cycling (+30°C) | 22 AWG    | **** Minimum | Amps  | 3       |
|  | 24 AWG    | **** Minimum | Amps  | 3       |
|  | 26 AWG    | **** Minimum | Amps  | 1.8     |
|  | 28 AWG    | **** Minimum | Amps  | 1.2     |
|  | 30 AWG    | **** Minimum | Amps  | 0.70    |
|  | 32 AWG    | **** Minimum | Amps  | 0.45    |
|  | 34 AWG    | **** Minimum | Amps  | 0.32    |
|  | 36 AWG    | **** Minimum | Amps  | 0.21    |

## 9.4 SEQUENCE V - MECHANICAL:

### 70058 - MATING FORCE SEQUENCE 5.3

| TEST CONDITION   | TREATMENT       | PLATING | UNITS  | MEAN        | MINIMUM     | MAXIMUM     |
|------------------|-----------------|---------|--------|-------------|-------------|-------------|
| Insertion Force  | Initial         | Tin     | LB/(N) | 0.73/(3.24) | 0.62/(2.74) | 0.82/(3.63) |
|                  |                 | Gold    | LB/(N) | 0.39/(1.75) | 0.28/(1.25) | 0.59/(2.62) |
|                  | After 25 Cycles | Tin     | LB/(N) | 0.75/(3.32) | 0.64/(2.83) | 0.89/(3.94) |
|                  | After 50 Cycles | Gold    | LB/(N) | 0.44/(1.96) | 0.27/(1.19) | 0.55/(2.44) |
| Withdrawal Force | Initial         | Tin     | LB/(N) | 0.97/4.31   | 0.79/(3.52) | 1.05/(4.65) |
|                  |                 | Gold    | LB/(N) | 0.29/(1.28) | 0.20/(0.89) | 0.44/(1.97) |
|                  | After 25 Cycles | Tin     | LB/(N) | 0.77/(3.43) | 0.68/(3.04) | 0.90/(4.02) |
|                  | After 50 Cycles | Gold    | LB/(N) | 0.38/(1.69) | 0.29/(1.29) | 0.56/(2.50) |

### 71851 - MATING FORCE SEQUENCE 5.3

| TEST CONDITION   | TREATMENT       | PLATING | UNITS | MEAN       | MINIMUM    | MAXIMUM    |
|------------------|-----------------|---------|-------|------------|------------|------------|
| Insertion Force  | Initial         | Tin     | LB/N  | 2.39/10.62 | 2.24/9.96  | 2.53/11.25 |
|                  |                 | Gold    | LB/N  | 0.99/4.39  | 0.91/4.05  | 1.05/4.67  |
|                  | After 25 Cycles | Tin     | LB/N  | 2.18/9.71  | 1.60/7.12  | 2.82/12.54 |
|                  | After 50 Cycles | Gold    | LB/N  | 1.01/4.48  | 0.86/3.83  | 1.17/5.20  |
| Withdrawal Force | Initial         | Tin     | LB/N  | 2.68/11.92 | 2.28/10.14 | 3.18/14.15 |
|                  |                 | Gold    | LB/N  | 0.69/3.07  | 0.62/2.76  | 0.77/3.43  |
|                  | After 25 Cycles | Tin     | LB/N  | 2.70/12.02 | 1.79/7.96  | 4.23/18.82 |
|                  | After 50 Cycles | Gold    | LB/N  | 1.07/4.76  | 0.84/3.74  | 1.25/5.56  |

| TEST CONDITION             | TREATMENT                 | PLATING      | UNITS | MEAN       | MINIMUM    | MAXIMUM    |
|----------------------------|---------------------------|--------------|-------|------------|------------|------------|
| Wire Pullout Force (Axial) | 22 AWG with strain relief | **** Minimum | N/LB  | 65.3/14.67 | 56.2/12.63 | 72.4/16.28 |

|                                     |   |  |                                 |
|-------------------------------------|---|--|---------------------------------|
| REVISION: <b>K</b>                  | ECR/ECN INFORMATION:<br>EC No: UCP2009-1866<br>DATE: 2009 / 01 / 27 | TITLE:<br><b>PRODUCT SPECIFICATION<br/>SINGLE ROW – STACKABLE<br/>LINEAR (SL) CONNECTOR SYSTEM</b> | SHEET No.<br><b>12 of 13</b>    |
| DOCUMENT NUMBER:<br><b>PS-70400</b> | CREATED / REVISED BY:<br><b>FOX/MIBARRA</b>                         | CHECKED BY:<br><b>STILES</b>   | APPROVED BY:<br><b>BRINKMAN</b> |



# PRODUCT SPECIFICATION

|  |                          |              |      |            |           |            |
|--|--------------------------|--------------|------|------------|-----------|------------|
|  | 22 AWG w/o strain relief | **** Minimum | N/LB | 48.0/10.78 | 39.2/8.81 | 54.5/12.24 |
|  | 24 AWG                   | **** Minimum | N/LB | 37.0/8.32  | 28.5/6.40 | 44.9/10.10 |
|  | 26 AWG                   | **** Minimum | N/LB |            |           |            |
|  | 28 AWG                   | **** Minimum | N/LB |            |           |            |
|  | 30 AWG                   | **** Minimum | N/LB |            |           |            |
|  | 32 AWG                   | **** Minimum | N/LB |            |           |            |
|  | 34 AWG                   | **** Minimum | N/LB |            |           |            |
|  | 36 AWG                   | **** Minimum | N/LB |            |           |            |

## 9.5 MISCELLANEOUS:

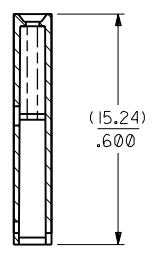
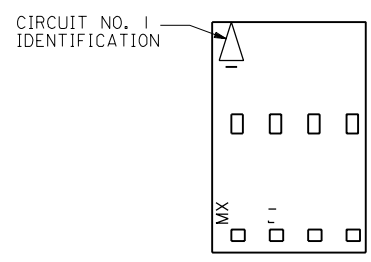
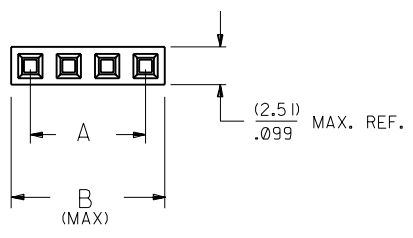
| TEST CONDITION                        | TREATMENT                     | REQUIREMENT  | UNITS    | MEAN       | MINIMUM    | MAXIMUM     |
|---------------------------------------|-------------------------------|--------------|----------|------------|------------|-------------|
| Terminal Retention Force (in Housing) | Initial                       | **** Minimum | N/LB     | 37.94/8.53 | 23.04/5.18 | 55.74/12.53 |
| Insulation Resistance                 | Initial                       | 1000 Min.    | Megaohms | Passed     |            |             |
|                                       | After Shock (Thermal)         | 1000 Min.    | Megaohms | Passed     |            |             |
|                                       | After Thermal Aging           | 1000 Min.    | Megaohms | Passed     |            |             |
|                                       | After Humidity (Steady State) | 1000 Min.    | Megaohms | Passed     |            |             |
|                                       | After Humidity (Cyclic)       | 1000 Min.    | Megaohms | Passed     |            |             |

|                                     |   |  |                                 |
|-------------------------------------|---|--|---------------------------------|
| REVISION:<br><b>K</b>               | ECR/ECN INFORMATION:<br>EC No: <b>UCP2009-1866</b><br>DATE: <b>2009 / 01 / 27</b> | TITLE:<br><b>PRODUCT SPECIFICATION<br/>SINGLE ROW – STACKABLE<br/>LINEAR (SL) CONNECTOR SYSTEM</b> | SHEET No.<br><b>13 of 13</b>    |
| DOCUMENT NUMBER:<br><b>PS-70400</b> | CREATED / REVISED BY:<br><b>FOX/MIBARRA</b>                                       | CHECKED BY:<br><b>STILES</b>   | APPROVED BY:<br><b>BRINKMAN</b> |

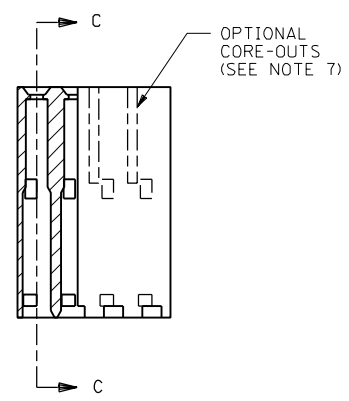
**NOTES:**

- 1) MATERIAL: G.F. POLYESTER
- 2) HOUSING TO BE USE WITH TERMINAL PT. NO. 70058-\*\*\*\*
- 3) SEE CHART FOR CIRCUIT SIZES.
- 4) TO BE USED WITH (0.64)/.025 SQ. OR RD. PINS.
- 5) PARTS STACKABLE END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTERS.
- 6) REFER TO PRODUCT SPECIFICATION NO. : P.S.-70058
- 7) PARTS MAY OR MAY NOT BE SUPPLIED WITH EXTERIOR CORE-OUT CONFIGURATION. SEE DWG. SD-70066-\*\*\*\* FOR OPTIONAL HOUSING DETAILS.
- 8) PACKAGE PER PK-70066-100.

**OPTION "A"**



**SECTION C-C**



| CKT. SIZE | EDP. NO.   | ENG. NO.   | A               | B               |
|-----------|------------|------------|-----------------|-----------------|
| 2         | 50-57-9002 | 70066-0001 | (2.54) / .100   | (5.05) / .199   |
| 3         | 50-57-9003 | 70066-0002 | (5.08) / .200   | (7.59) / .299   |
| 4         | 50-57-9004 | 70066-0003 | (7.62) / .300   | (10.13) / .399  |
| 5         | 50-57-9005 | 70066-0004 | (10.16) / .400  | (12.67) / .499  |
| 6         | 50-57-9006 | 70066-0005 | (12.70) / .500  | (15.21) / .599  |
| 7         | 50-57-9007 | 70066-0006 | (15.24) / .600  | (17.75) / .699  |
| 8         | 50-57-9008 | 70066-0007 | (17.78) / .700  | (20.29) / .799  |
| 9         | 50-57-9009 | 70066-0008 | (20.32) / .800  | (22.83) / .899  |
| 10        | 50-57-9010 | 70066-0009 | (22.86) / .900  | (25.37) / .999  |
| 11        | 50-57-9011 | 70066-0010 | (25.40) / 1.000 | (27.91) / 1.099 |
| 12        | 50-57-9012 | 70066-0011 | (27.94) / 1.100 | (30.45) / 1.199 |
| 13        | 50-57-9013 | 70066-0012 | (30.48) / 1.200 | (32.99) / 1.299 |
| 14        | 50-57-9014 | 70066-0013 | (33.02) / 1.300 | (35.53) / 1.399 |
| 15        | 50-57-9015 | 70066-0014 | (35.56) / 1.400 | (38.07) / 1.499 |
| 16        | 50-57-9016 | 70066-0015 | (38.10) / 1.500 | (40.61) / 1.599 |
| 17        | 50-57-9017 | 70066-0016 | (40.64) / 1.600 | (43.15) / 1.699 |
| 18        | 50-57-9018 | 70066-0017 | (43.18) / 1.700 | (45.69) / 1.799 |
| 19        | 50-57-9019 | 70066-0018 | (45.72) / 1.800 | (48.23) / 1.899 |
| 20        | 50-57-9020 | 70066-0019 | (48.26) / 1.900 | (50.77) / 1.999 |
| 21        | 50-57-9021 | 70066-0020 | (50.80) / 2.000 | (53.31) / 2.099 |
| 22        | 50-57-9022 | 70066-0021 | (53.34) / 2.100 | (55.85) / 2.199 |
| 23        | 50-57-9023 | 70066-0022 | (55.88) / 2.200 | (58.39) / 2.299 |
| 24        | 50-57-9024 | 70066-0023 | (58.42) / 2.300 | (60.93) / 2.399 |
| 25        | 50-57-9025 | 70066-0024 | (60.96) / 2.400 | (63.47) / 2.499 |

|  |                           |  |        |
|--|---------------------------|--|--------|
| DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 1/2° |                           | TITLE<br>HOUSING CONNECTOR<br>(2.54)/.100 GRID STACKABLE<br>SINGLE ROW   |        |
| 3 PLACE ± .010<br>2 PLACE ± .014 ± 0.25<br>1 PLACE --- ± 0.35                              | INCH<br>METRIC            | SHEET NO. 1<br>DATE 03/27/86   | U.S.A. |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                       |                           | MOLEX INCORPORATED<br>L15LEJLL 60532 U.S.A.  |        |
| DRWG. BY RS<br>APP'D. BY RL  | CHK'D. BY WZ<br>SCALE 4:1 | SD-70066-0001-0024<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |        |
| ADD PKG NOTE<br>ECN UDT2000-0468<br>SCHAFFER 99/12/1                                       |                           | DIV. DA  |        |

MFG. SH. REV.

70066