

# 3M™ Pak 50 Low Profile Wiremount Socket

.050" for .025" Pitch Cable

P25LE Series



- P25LE terminates 25 mil pitch, 30 AWG stranded wire, PVC insulated, flat ribbon cable
- Low profile 11.8 mm mated height
- P50LE mate offers surface mount, straight and right angle thru-hole options
- Latch/eject mechanism maintains a secure connection
- Cable strain relief standard
- Tooling available for customer cable assembly termination
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of [www.3Mconnector.com](http://www.3Mconnector.com) for compliance information (RIA E1 and C1 apply)

Date Modified: February 17, 2010

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## Physical

### Insulator:

Material: Glass Filled Nylon

Flammability: UL 94V-0

Color: Brown

Contact Material: Phosphor Bronze

### Plating:

Underplating: Nickel

Wiping Area: Gold Flash

Termination Area: Gold Flash

Wire Accommodation: 30 AWG Stranded PVC Flat Ribbon Cable (3M #3754 or approved equivalent)

Mating Compatibility: TS-1148

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## Electrical

**Current Rating:** 0.5 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 250 V<sub>DC</sub>

**Withstanding Voltage:** 300 V<sub>AC</sub> for 1 minute

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## Environmental

**Temperature Rating:** -55°C to +85°C

UL File No.: E68080

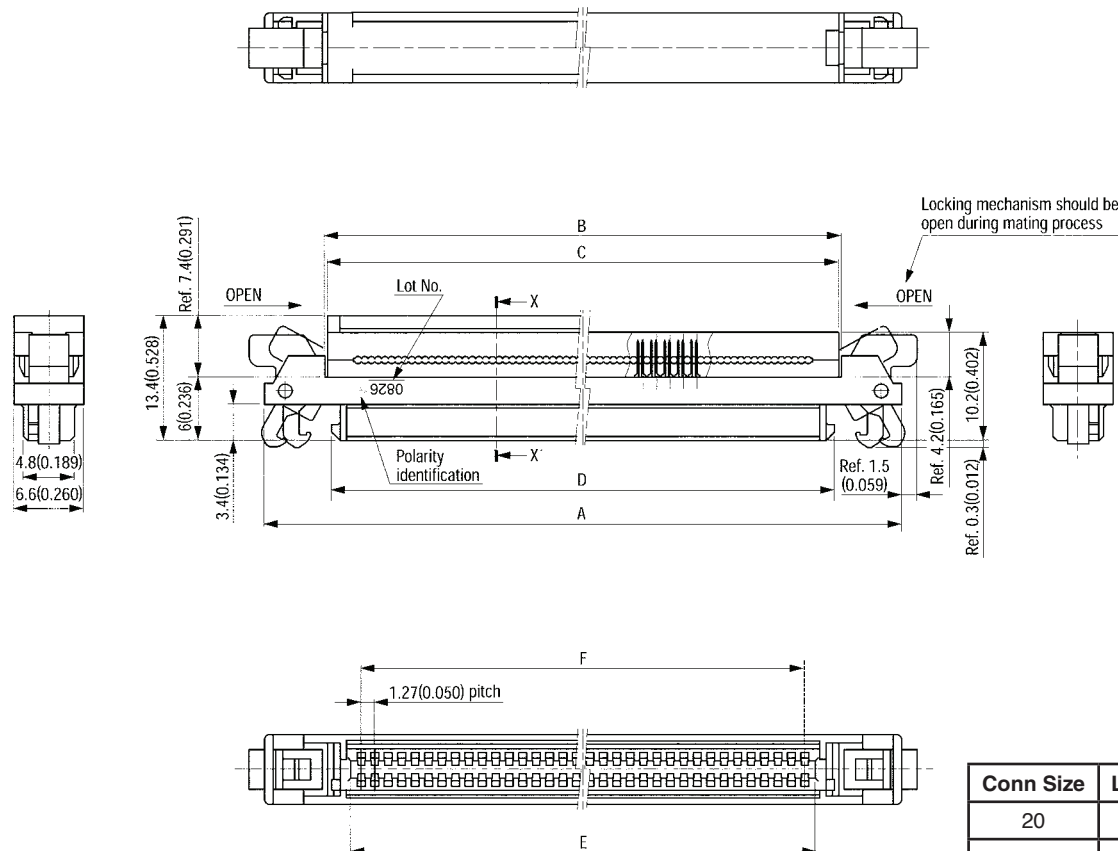
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.050" for .025" Pitch Cable

P25LE Series

**Product Table / Dimensions**

| Contact Quantity | A                | B                | C                | D                | E                | F                | Contact Quantity | A                | B                | C                | D                | E                | F                |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 20               | 29.63<br>[1.167] | 18.23<br>[0.718] | 17.83<br>[0.702] | 17.03<br>[0.670] | 13.43<br>[0.529] | 11.43<br>[0.450] | 60               | 55.03<br>[2.167] | 43.63<br>[1.718] | 43.23<br>[1.702] | 42.43<br>[1.670] | 38.83<br>[1.529] | 36.83<br>[1.450] |
| 30               | 35.98<br>[1.417] | 24.58<br>[0.968] | 24.18<br>[0.952] | 23.38<br>[0.920] | 19.78<br>[0.779] | 17.78<br>[0.700] | 68               | 60.11<br>[2.367] | 48.71<br>[1.918] | 48.31<br>[1.902] | 47.51<br>[1.870] | 43.91<br>[1.729] | 41.91<br>[1.650] |
| 40               | 42.33<br>[1.667] | 30.93<br>[1.218] | 30.53<br>[1.202] | 29.73<br>[1.170] | 26.13<br>[1.029] | 24.13<br>[0.950] | 80               | 67.73<br>[2.667] | 56.33<br>[2.218] | 55.93<br>[2.202] | 55.13<br>[2.170] | 51.53<br>[2.029] | 49.53<br>[1.950] |
| 50               | 48.68<br>[1.917] | 37.28<br>[1.468] | 36.88<br>[1.452] | 36.08<br>[1.420] | 32.48<br>[1.279] | 30.48<br>[1.200] | 100              | 80.43<br>[3.167] | 69.03<br>[2.718] | 68.63<br>[2.702] | 67.83<br>[2.670] | 64.23<br>[2.529] | 62.23<br>[2.450] |



|                        |               |
|------------------------|---------------|
| mm<br>[Inch]           |               |
| Tolerance Unless Noted |               |
| 0.0                    | 0.00          |
| mm                     | ± .1    ± .10 |

( ) Dimensions used for Reference Only

Note: Strain relief standard.

| Conn Size | Locator Plate PN |
|-----------|------------------|
| 20        | 3443-127A        |
| 40        | 3443-127B        |
| 30 & 50   | 3443-127C        |
| 60        | 3443-127D        |
| 68        | 3443-127E        |
| 80 & 100  | 3443-127F        |

## Ordering Information

**P25LE - XXXS - DA** (RIA E1 and C1 apply)

Contact Quantity: \_\_\_\_\_  
See Table

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**Electronic Solutions Division**  
**Interconnect Solutions**  
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RIA-2217B-E

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