

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
- Visit 3M.com/regs or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: April 3, 2017

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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

Electrical

Current Rating: 0.5 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at 250 V_{DC}

Withstanding Voltage: 300 V_{AC} for 1 minute

Environmental

Temperature Rating: -55°C to +85°C

UL File No.: E68080

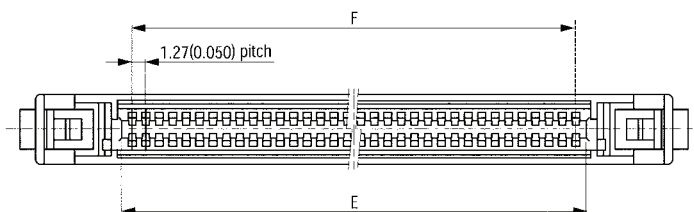
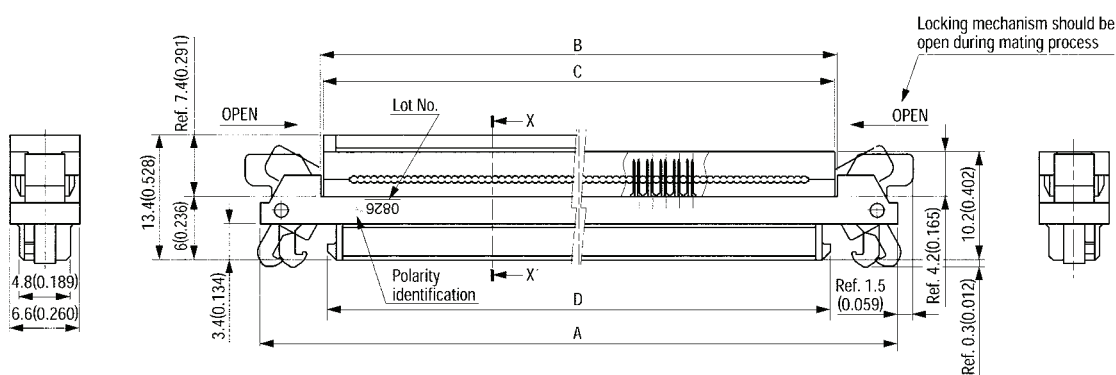
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Product Table / Dimensions

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



mm [Inch]
Tolerance Unless Noted

| | | |
|-----------|--------------|---------------|
| | 0.0 | 0.00 |
| < 10.0 mm | ± 0.2 [.008] | ± 0.10 [.004] |
| ≥ 10.0 mm | ± 0.3 [.012] | |

() and [] 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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Regulatory: For regulatory information about this product, contact your 3M representative.

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