

# 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](http://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

TS-1142-C  
Sheet 1 of 2

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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

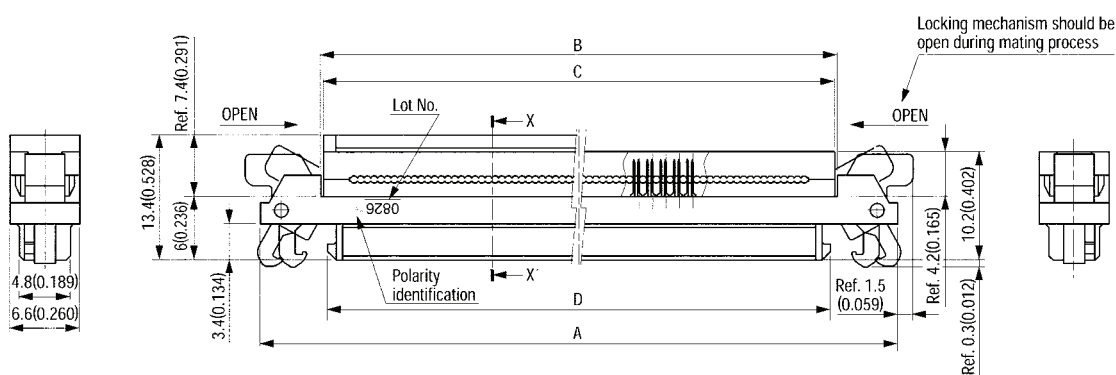
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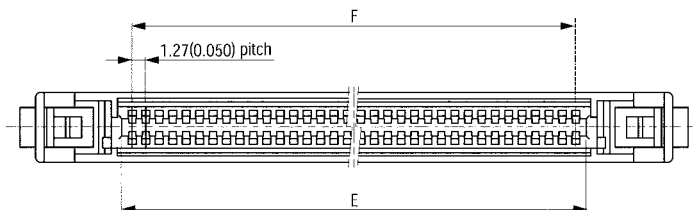
P25LE Series

## 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]



Locking mechanism should be open during mating process



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

TS-1142-C  
Sheet 2 of 2

Regulatory: For regulatory information about this product, contact your 3M representative.

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