

# 3M™ Pak 50 Low Profile Wiremount Socket

.050" for .025" Pitch Cable

P25LE Series



- P25LE terminates 25 mil pitch, 30 AWG 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
- Finished cable assemblies to customer specifications available
- Tooling available for customer cable assembly termination

Date Modified: June 11, 2004

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## Physical

### Insulation

Material: Glass filled Nylon  
Flammability: UL 94V-0  
Color: Brown

### Contact

Material: Phosphor Bronze

### Plating

Underplating: Nickel  
Wiping Area: 2  $\mu$ " [ 0.05  $\mu$ m ] min. Gold  
Solder Tails: Tin Alloy over Nickel  
Wire Accommodation: 30 AWG Stranded PVC Flat Ribbon Cable

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## Electrical

**Current Rating:** 0.5 A  
**Insulation Resistance:** 10<sup>3</sup> M $\Omega$  min. at 250 VDC  
**Withstanding Voltage:** 300 VAC for 1 minute

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## Environmental

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

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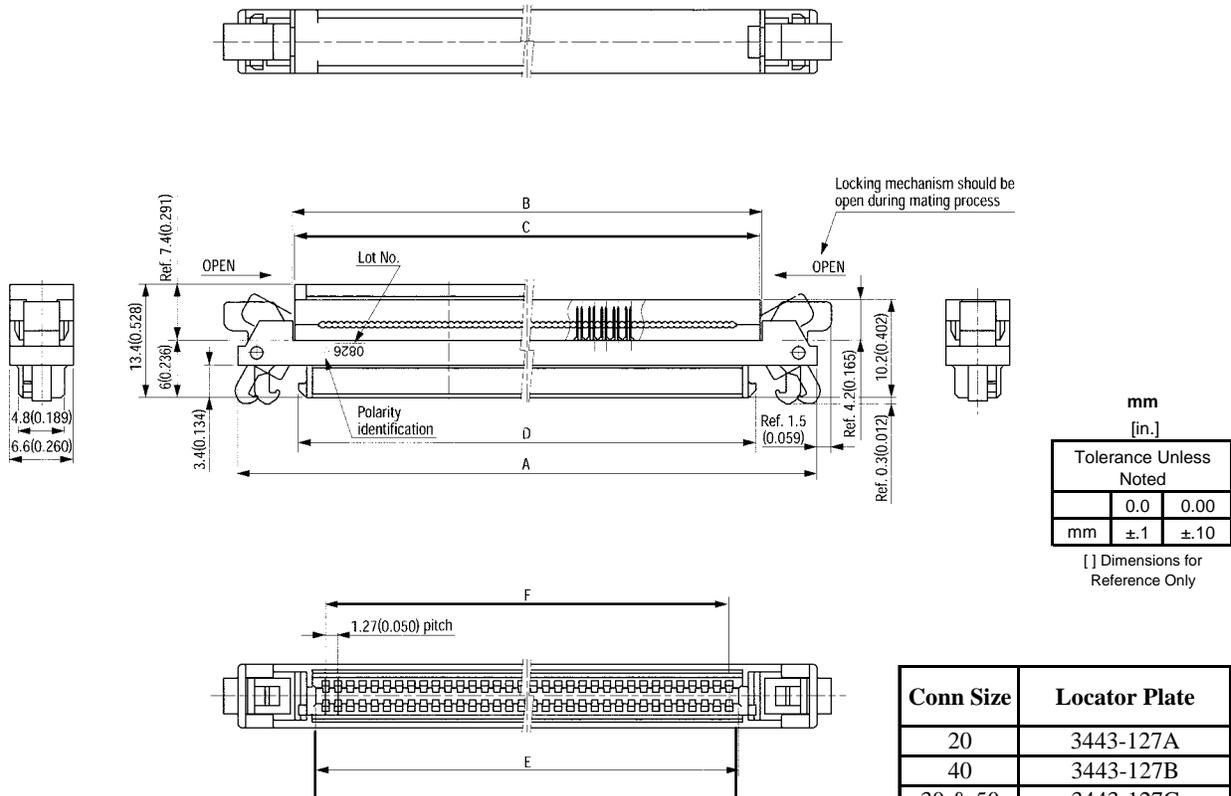
## .050" for .025" Pitch Cable

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Product Table / Dimensions

Contact Quantity	A	B	C	D	E	F
20	29.63	18.23	17.83	17.03	13.43	11.43
	[1.167]	[0.718]	[0.702]	[0.670]	[0.529]	[0.450]
30	35.98	24.58	24.18	23.38	19.78	17.78
	[1.417]	[0.968]	[0.952]	[0.920]	[0.779]	[0.700]
40	42.33	30.93	30.53	29.73	26.13	24.13
	[1.667]	[1.218]	[1.202]	[1.170]	[1.029]	[0.950]
50	48.68	37.28	36.88	36.08	32.48	30.48
	[1.917]	[1.468]	[1.452]	[1.420]	[1.279]	[1.200]

Contact Quantity	A	B	C	D	E	F
60	55.03	43.63	43.23	42.43	38.83	36.83
	[2.167]	[1.718]	[1.702]	[1.670]	[1.529]	[1.450]
68	60.11	48.71	48.31	47.51	43.91	41.91
	[2.367]	[1.918]	[1.902]	[1.870]	[1.729]	[1.650]
80	67.73	56.33	55.93	55.13	51.53	49.53
	[2.667]	[2.218]	[2.202]	[2.170]	[2.029]	[1.950]
100	80.43	69.03	68.63	67.83	64.23	62.23
	[3.167]	[2.718]	[2.702]	[2.670]	[2.529]	[2.450]



Note: Strain relief standard.

## Ordering Information

**P25LE - XXXS - TGF**

Contact Quantity  
See Table

Application tooling: 3640 press (or equivalent), Locator plate per chart above, 3442-126 platen.

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### **Electronic Solutions Division**

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