

# 3M™ Pak 50 Wiremount Socket

.050" Wiremount Socket for .025" Pitch Cable

P25E Series



- P25E connector terminates 30 AWG stranded 0.635 mm (25 mil) pitch flat PVC cable (3754 series)
- Daisy chain capability
- Designed to mate with P50 series IDC boardmount connectors
- 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
- RoHS\* compliant version (EA plating suffix) available

Date Modified: March 2, 2006

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## Physical

### Insulation

Material: Glass Filled Nylon  
Flammability: UL 94V-0  
Color: Black

### Contact

Material: Phosphor Bronze

### Plating

Underplating: Nickel  
Wiping Area: .025 $\mu$ m [ 10  $\mu$ " ] gold  
Termination Area: Tin -lead or gold flash (RoHS compliant)  
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>  $\Omega$  at 250 V DC  
Withstanding Voltage: 300 V AC for 1 minute

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## Environmental

Temperature Rating: -55°C to +85°C

\*\*RoHS compliant\*\* means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated in writing by 3M, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.

UL File No.: E68080

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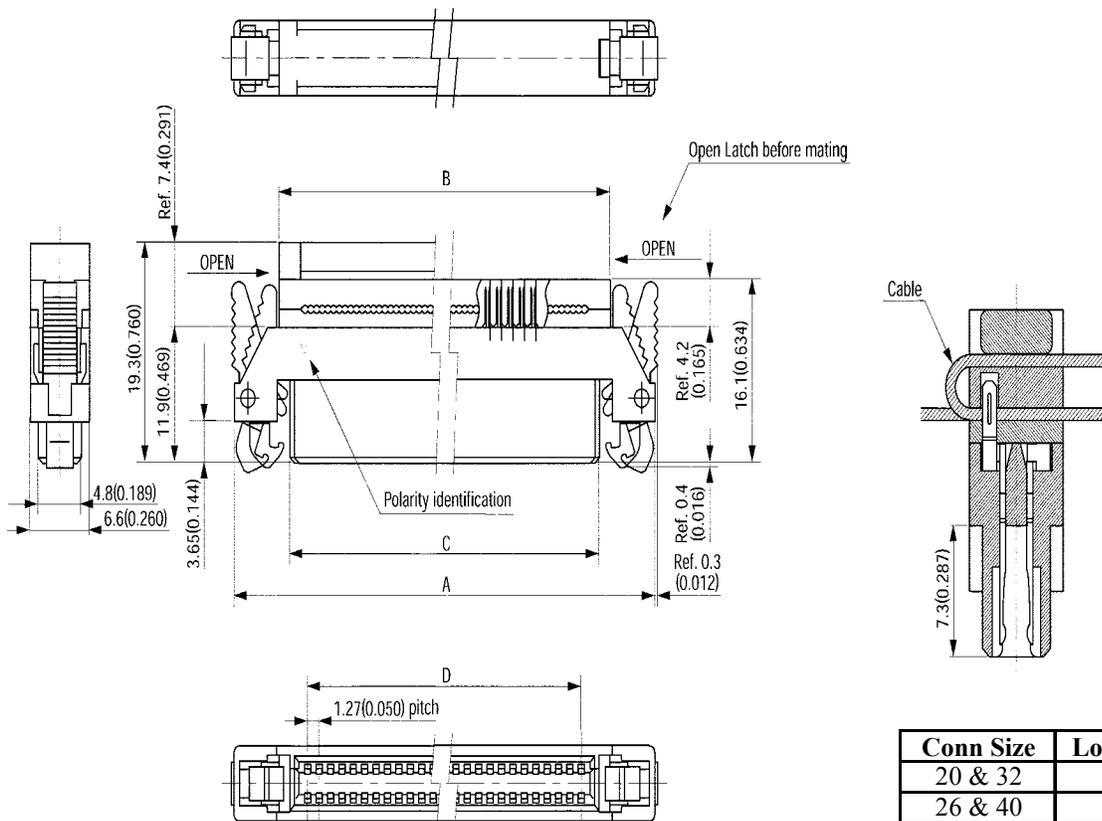
.050" Wiremount Socket for .025" Pitch Cable

P25E Series

Product Table / Dimensions

Contact Quantity	A	B	C	D
20	27.83	17.83	15.43	11.43
	[1.096]	[0.702]	[0.607]	[0.450]
26	31.64	21.64	19.24	15.24
	[1.246]	[0.852]	[0.757]	[0.600]
30	34.18	24.18	21.78	17.78
	[1.346]	[0.952]	[0.857]	[0.700]
32	35.45	25.45	23.05	19.05
	[1.396]	[1.002]	[0.907]	[0.750]
34	36.72	26.72	24.32	20.32
	[1.446]	[1.052]	[0.957]	[0.800]
40	40.53	30.53	28.13	24.13
	[1.596]	[1.202]	[1.107]	[0.950]

Contact Quantity	A	B	C	D
50	46.88	36.88	34.48	30.48
	[1.846]	[1.452]	[1.357]	[1.200]
60	53.23	43.23	40.83	36.83
	[2.096]	[1.702]	[1.607]	[1.450]
68	58.31	48.31	45.91	41.91
	[2.296]	[1.902]	[1.807]	[1.650]
80	65.93	55.93	53.53	49.53
	[2.596]	[2.202]	[2.107]	[1.950]
100	78.63	68.63	66.23	62.23
	[3.096]	[2.702]	[2.607]	[2.450]



Conn Size	Locator Plate PN
20 & 32	3443-127A
26 & 40	3443-127B
30 & 50	3443-127C
34 & 60	3443-127D
68	3443-127E
80 & 100	3443-127F

Note: Strain relief standard.

## Ordering Information

**P25E - XXXS - XX**

Contact Quantity  
See Table

TG = 10µ" [.25µm] gold with tin-lead U slot  
EA = 10µ" [.25µm] gold with gold flash U slot  
(RoHS compliant)

Application tools: Press: 3640 (or equivalent); See application tooling chart above for locator plate; Platen - 3442-126.

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