

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

Date Modified: December 13, 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 μ m [10 μ "] gold
Termination Area: Gold flash (RoHS compliant)
Wire Accommodation: 30 AWG Stranded PVC Flat Ribbon Cable (3M #3754 or approved alternate)

Electrical

Current Rating: 0.5 A
Insulation Resistance: 10³ Ω at 250 V_{DC}
Withstanding Voltage: 300 V_{AC} for 1 minute

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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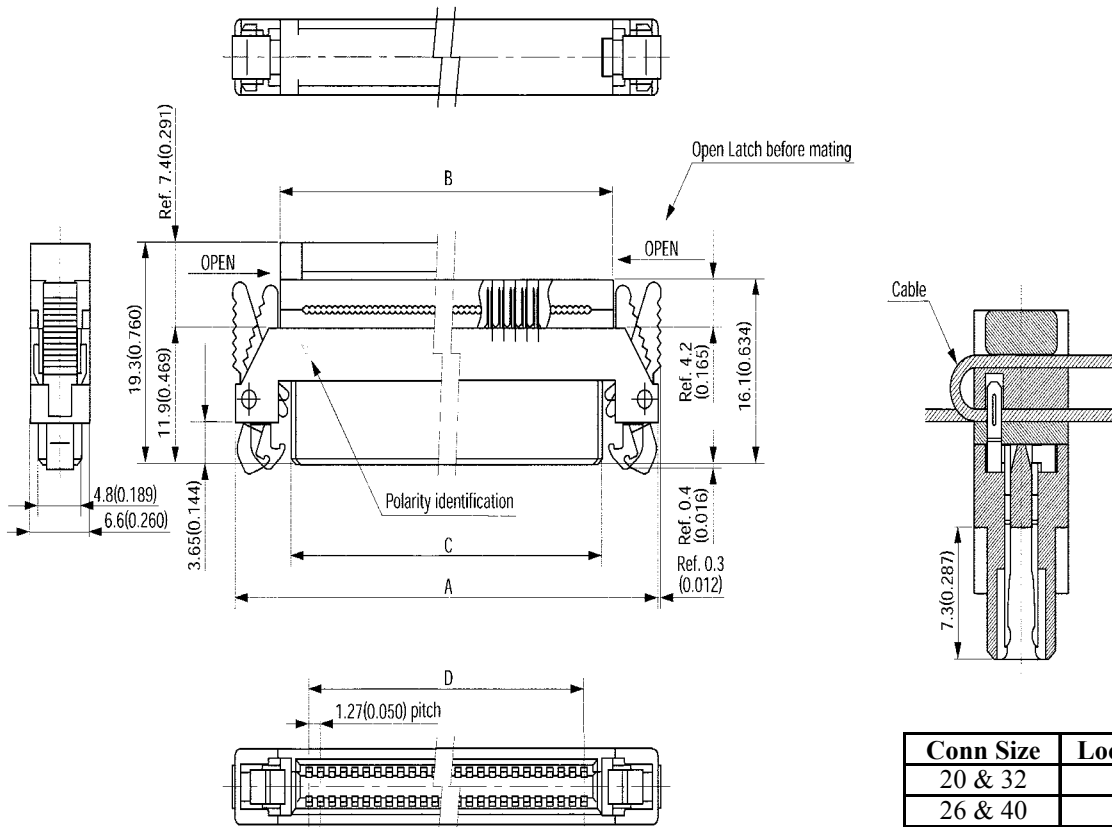
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P25E Series

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 - EA

Contact Quantity
See Table

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

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6801 River Place Blvd.
Austin, TX 78726-9000
800/225-5373
www.3M.com/electronics

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