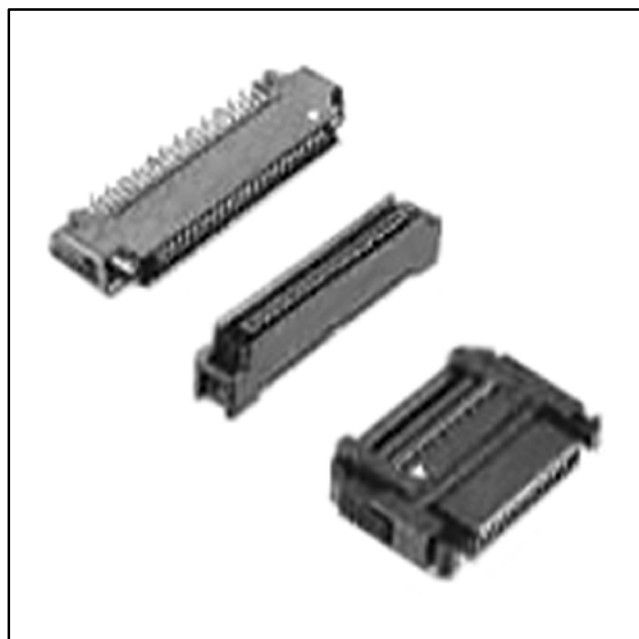


# 3M™ Pak 50 Wiremount Socket

.050" Wiremount Socket for .050" Pitch Cable

P50 Series



- P50 connector terminates two separate 1.27 mm (50 mil) pitch flat ribbon cables
- Accepts 28 AWG PVC cable (3M 3365 Series)
- Latch/eject mechanism maintains a secure connection
- Cable strain relief standard
- Tooling available for customer cable assembly termination
- ☐ RoHS\* compliant

Date Modified: December 15, 2006

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Sheet 1 of 2

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## Physical

### Insulation

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

### Contact

Material: Copper Alloy

### Plating

Underplating: Nickel  
Wiping Area: .25  $\mu$ m [10  $\mu$ "] Gold  
Termination Area: Gold Flash  
Wire Accomodation: 28 AWG Stranded PVC Flat Ribbon Cable

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## Electrical

**Current Rating:** 0.5 A  
**Insulation Resistance:**  $10^3$  M $\Omega$  min. at 500 V DC  
**Withstanding Voltage** 650 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 .050" Pitch Cable

P50 Series

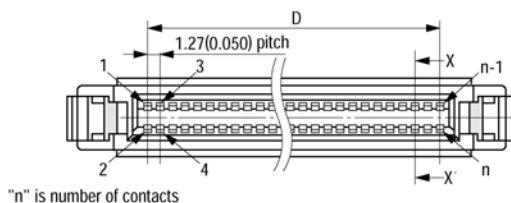
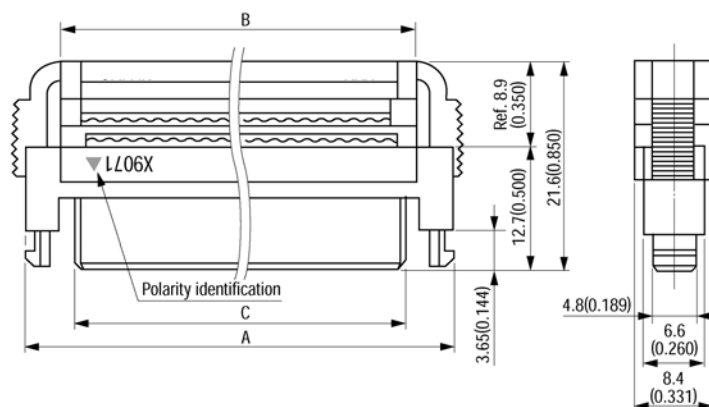
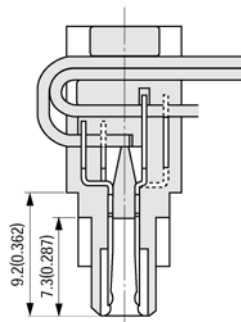
Product Table / Dimensions

| Contact Quantity | A       | B       | C       | D       |
|------------------|---------|---------|---------|---------|
| 20               | 25.43   | 17.83   | 15.43   | 11.43   |
|                  | [1.001] | [0.702] | [0.607] | [0.450] |
| 26               | 29.24   | 21.64   | 19.24   | 15.24   |
|                  | [1.151] | [0.852] | [0.757] | [0.600] |
| 30               | 31.78   | 24.18   | 21.78   | 17.78   |
|                  | [1.251] | [0.952] | [0.857] | [0.700] |
| 32               | 33.05   | 25.45   | 23.05   | 19.05   |
|                  | [1.301] | [1.002] | [0.907] | [0.750] |
| 34               | 34.32   | 26.72   | 24.32   | 20.32   |
|                  | [1.351] | [1.052] | [0.957] | [0.800] |

| Contact Quantity | A       | B       | C       | D       |
|------------------|---------|---------|---------|---------|
| 40               | 38.13   | 30.53   | 28.13   | 24.13   |
|                  | [1.501] | [1.202] | [1.107] | [0.950] |
| 50               | 44.48   | 36.88   | 34.48   | 30.48   |
|                  | [1.751] | [1.452] | [1.357] | [1.200] |
| 52               | 45.75   | 38.15   | 35.75   | 31.75   |
|                  | [1.801] | [1.502] | [1.407] | [1.250] |
| 60               | 50.83   | 43.23   | 40.83   | 36.83   |
|                  | [2.001] | [1.702] | [1.607] | [1.450] |
| 68               | 55.91   | 48.31   | 45.91   | 41.91   |
|                  | [2.201] | [1.902] | [1.807] | [1.650] |



X-X' Cross Section



Note: Strain relief standard.

## Ordering Information

P50 - XXXS - EA

Contact Quantity  
See Table

Application tools: 3640 press (or equivalent), 3443-128 locator platen, 3442-126 platen.

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Sheet 2 of 2

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Minimum 10%  
Post-Consumer Fiber

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