

# 3M™ Pak 50 Wiremount Socket

.050" Wiremount Socket for .050" Pitch Cable

P50E Series



- P50E connector terminates two separate 1.27 mm (50 mil) pitch flat ribbon cables
- Accepts 28 AWG PVC cable
- Latch/eject mechanism maintains a secure connection
- Cable strain relief standard
- Finished cable assemblies to customer specifications
- Tooling available for customer cable assembly termination

Date Modified: May 24, 2004

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## Physical

### Insulation

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

### Contact

Material: Copper Alloy

### Plating

Underplating: Nickel  
Wiping Area: See Ordering Information  
Termination Area: Tin Alloy over Nickel  
Wire Accommodation: 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 VDC  
**Withstanding Voltage** 650 VAC for 1 minute

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## Environmental

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

UL File No.: E68080

**3M**  
**Interconnect Solutions**  
<http://www.3M.com/interconnects/>

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**800-225-5373**

# 3M™ Pak 50 Wiremount Socket

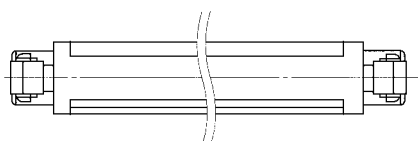
## .050" Wiremount Socket for .050" Pitch Cable

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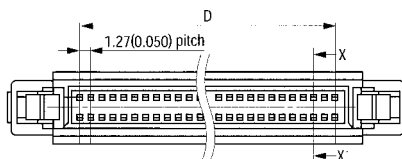
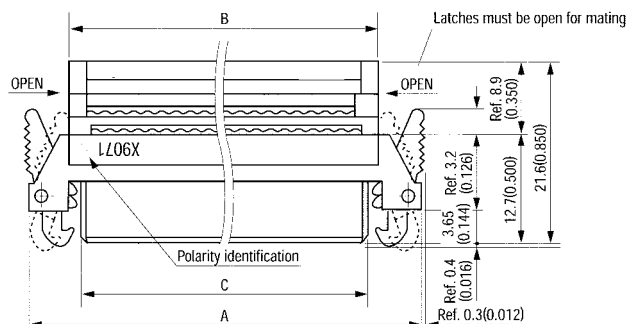
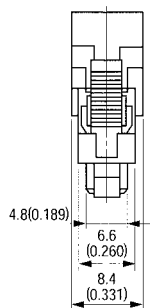
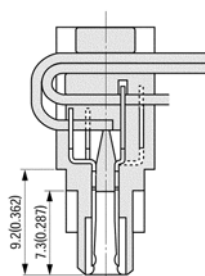
Product Table / Dimensions

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

| Contact Quantity | A                | B                | C                | D                |
|------------------|------------------|------------------|------------------|------------------|
| 50               | 46.88<br>(1.846) | 36.88<br>(1.452) | 34.48<br>(1.357) | 30.48<br>(1.200) |
| 52               | 48.15<br>(1.896) | 38.15<br>(1.502) | 35.75<br>(1.407) | 31.75<br>(1.250) |
| 60               | 53.23<br>(2.096) | 43.23<br>(1.702) | 40.83<br>(1.607) | 36.83<br>(1.450) |
| 68               | 58.31<br>(2.296) | 48.31<br>(1.902) | 45.91<br>(1.807) | 41.91<br>(1.650) |
| 80               | 65.93<br>(2.596) | 55.93<br>(2.202) | 53.53<br>(2.107) | 49.53<br>(1.950) |
| 100              | 78.63<br>(3.096) | 68.63<br>(2.702) | 66.23<br>(2.607) | 62.23<br>(2.450) |



X-X' Cross Section



Note: Strain relief standard.

## Ordering Information

P50E - XXXS - XXX

Contact Quantity  
See Table

Plating Options:  
TGF = 2  $\mu$ " min. Gold  
TG = 10  $\mu$ " min. Gold  
TG30 = 30  $\mu$ " min. Gold

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

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