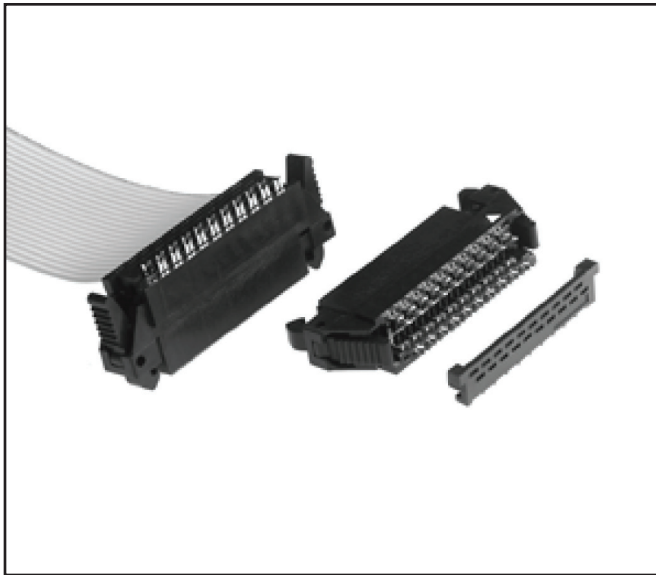


# 3M™ Pak 50 Wiremount Socket

.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
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of [www.3Mconnector.com](http://www.3Mconnector.com) for compliance information (RIA E1 and C1 apply)

Date Modified: February 1, 2011

TS-1143-D  
Sheet 1 of 2

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## Physical

### Insulator:

Material: Glass Filled LCP

Flammability: UL 94V-0

Color: Black

Contact Material: Copper Alloy

### Plating:

Underplating: Nickel

Wiping Area: 0.25  $\mu\text{m}$  [ 10  $\mu\text{m}$  ] Gold

Termination Area: Gold Flash

Wire Accommodation: 28 AWG Stranded PVC Flat Ribbon Cable, 7 strands x 0.050" (0.127 mm) pitch  
(Recommended 3M Cable Series: 3365, 3667, 3782)

Mating Compatibility: TS-1144

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## Electrical

**Current Rating:** 0.5 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

**Withstanding Voltage:** 650 V<sub>AC</sub> for 1 minute

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## Environmental

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

UL File No.: E68080

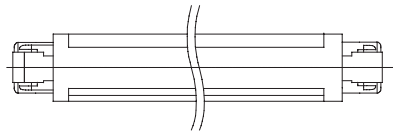
# 3M™ Pak 50 Wiremount Socket

.050" Wiremount Socket for .050" Pitch Cable

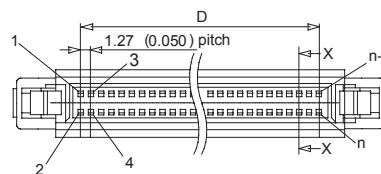
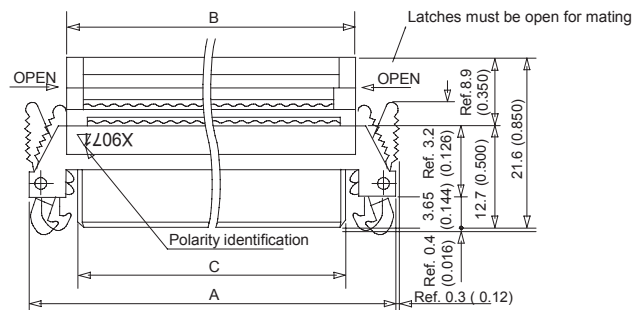
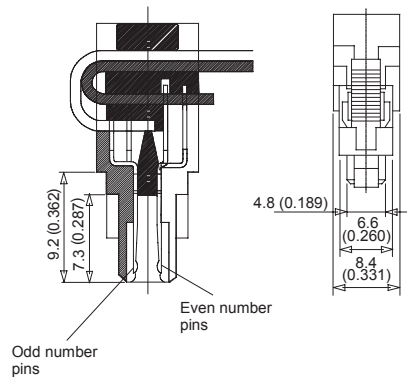
P50E Series

Contact Quantity	A	B	C	D
20	27.83 (1.096)	17.83 (0.702)	15.43 (0.607)	11.43 (0.450)
26	31.64 (1.246)	21.64 (0.852)	19.24 (0.757)	15.24 (0.600)
30	34.18 (1.346)	24.18 (0.952)	21.78 (0.857)	17.78 (0.700)
32	35.45 (1.396)	25.45 (1.002)	23.05 (0.907)	19.05 (0.750)
34	36.72 (1.446)	26.72 (1.052)	24.32 (0.957)	20.32 (0.800)
36	37.99 (1.496)	27.99 (1.102)	25.59 (1.007)	21.59 (0.850)
40	40.53 (1.596)	30.53 (1.202)	28.13 (1.107)	24.13 (0.950)

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



X-X Cross Section



"n" is number of contacts

Note: Strain relief standard.



## Ordering Information

**P50E - XXXS - EA** (RIA E1 and C1 apply)

Contact Quantity:  
See Table

Application tools: 3M™ Press 3640 (or equivalent), 3M™ Locator Plate 3443-128, 3M™ Platen 3442-126.

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Sheet 2 of 2



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