## 3M<sup>™</sup> Pak 50 Boardmount Plug

.050" Through-Hole, Vertical Stacking

P50 Series



- Stacking connector available in 20, 24 and 30 mm stacking heights
- Custom stack heights between 18 and 30 mm available
- Mates with 3M<sup>™</sup> P50 Series Straight and Right Angle socket connectors
- Two mating points per contact
- Alignment posts facilitate easy mating
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3M.com/Interconnects for compliance information (RIA E1 & C1 apply)

Date Modified:September 29, 2009

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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: 10 μ" Gold Solder Tails: Gold Flash

Mating Compatibility: P5X-XXXS-XXX-EA (TS-2047)

#### **Electrical**

**Current Rating:** 0.5 A

Insulation Resistance:  $>1 \times 10^3 \Omega$  at  $500 V_{DC}$ Withstanding Voltage:  $650 V_{AC}$  for 1 minute

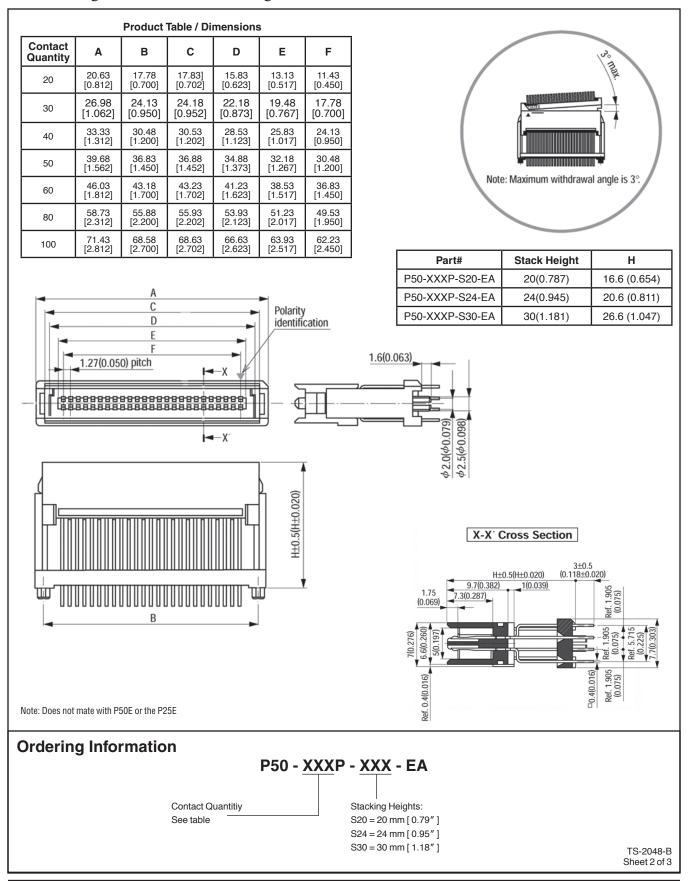
#### **Environmental**

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

**Process Rating:** 260°C Wave Solder Compatible

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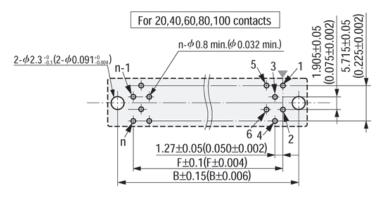
P50 Series

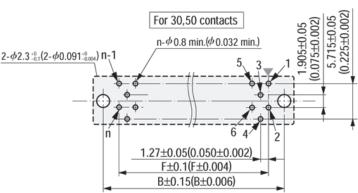


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# Printed Circuit Board Layout (Component Side View)





▼=Polarity identification

Recommended PCB Thickness  $t=1.6\pm0.19(0.063\pm0.007)$ 

"n" is number of contacts.

Note: Does not mate with P50E or the P25E

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