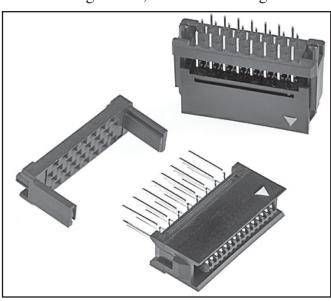
# 3M<sup>™</sup> Pak 50 Boardmount Plug

.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.3Mconnector.com for compliance information (RIA E1 and C1 apply)

Date Modified: February 18, 2010

TS-2048-C Sheet 1 of 3

# **Physical**

#### **Insulator:**

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: TS-2047

## **Electrical**

**Current Rating:** 0.5 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  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

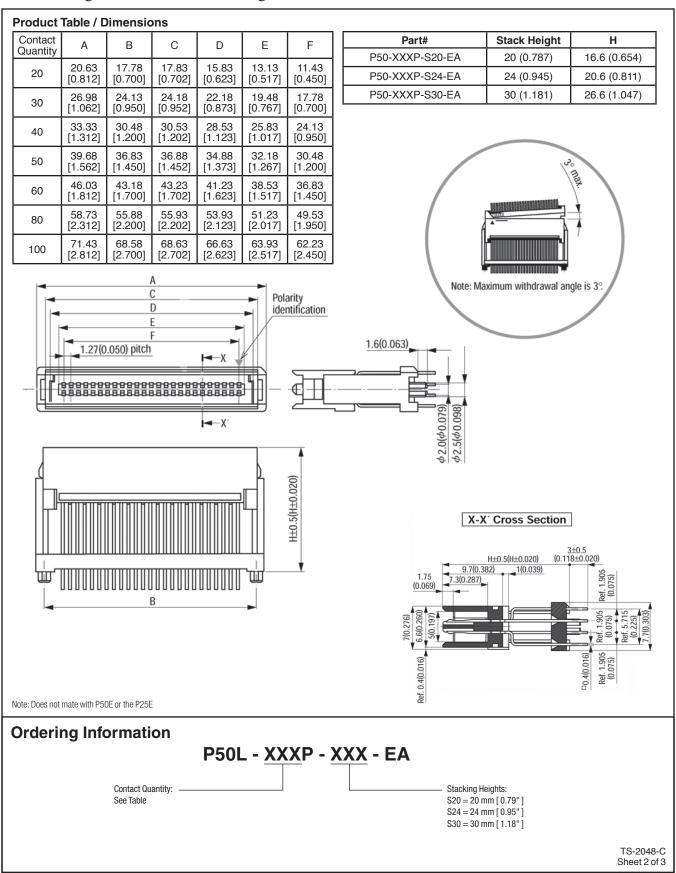
UL File No.: E68080

**3M** 

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P50 Series

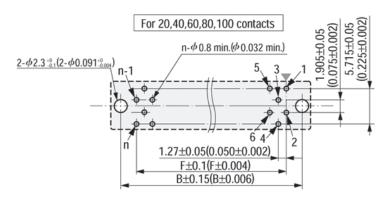
.050" Through-Hole, Vertical Stacking

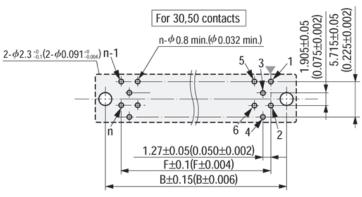


**3M** 

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# Printed Circuit Board Layout (Component Side View)





All=Polarity identification Recommended PCB Thickness t=1.6±0.19(0.063±0.007) "n" is number of contacts.

Note: Does not mate with P50E or the P25E

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#### **Important Notice**

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