# 3M™ Pak 50 Low Profile Plug

.050" Vertical Stacking with and without Flanges

**P50L Series** 



- Low profile offers mating heights between 0.276" - 0.472" (7-12 mm) for board stacking applications
- High temperature insulator compatible with IR and wave soldering
- Guide posts for easy mating/unmating
- Retention clips stabilize connector to the board during wave soldering
- RoHS\* compliant version (DA plating suffix) available

Date Modified: March 1, 2006

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## **Physical**

Insulation

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

Contact

Material: Phosphor Bronze

**Plating** 

Underplating: Nickel Wiping Area: Gold flash

Solder Tails: Tin Alloy over Nickel or Gold Flash (RoHS compliant)

Retaining Clips: Tin lead or tin-copper (RoHS compliant)

## **Electrical**

**Current Rating:** 0.5 A

**Insulation Resistance:**  $10^3 \Omega$  at 500 Vdc **Withstanding Voltage:** 650V AC for 1 minute

### **Environmental**

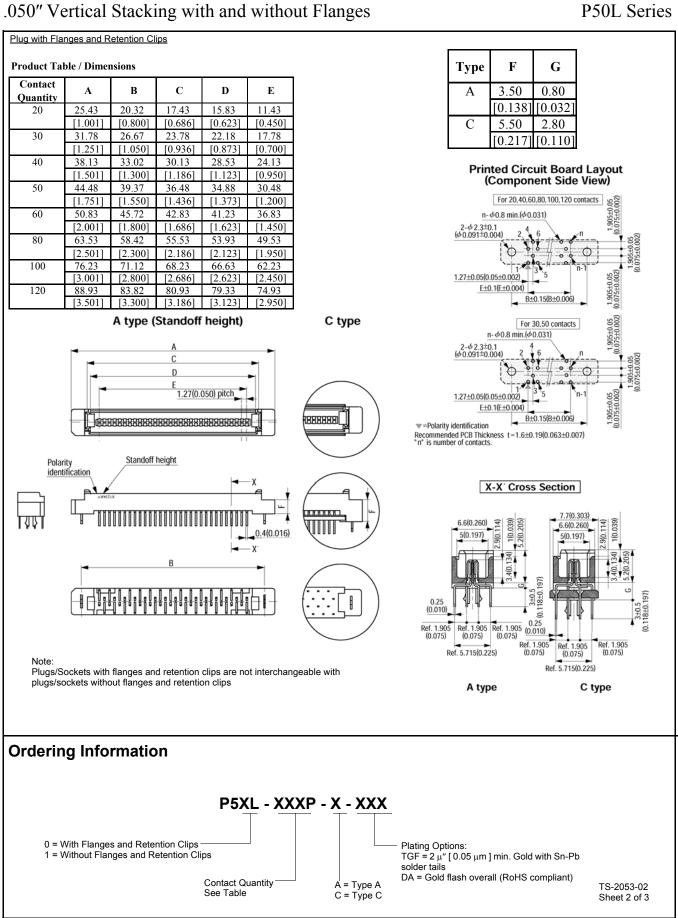
**Temperature Rating:** -55°C to +85°C

**Process Rating:** 260°C (per J-STD-020C)

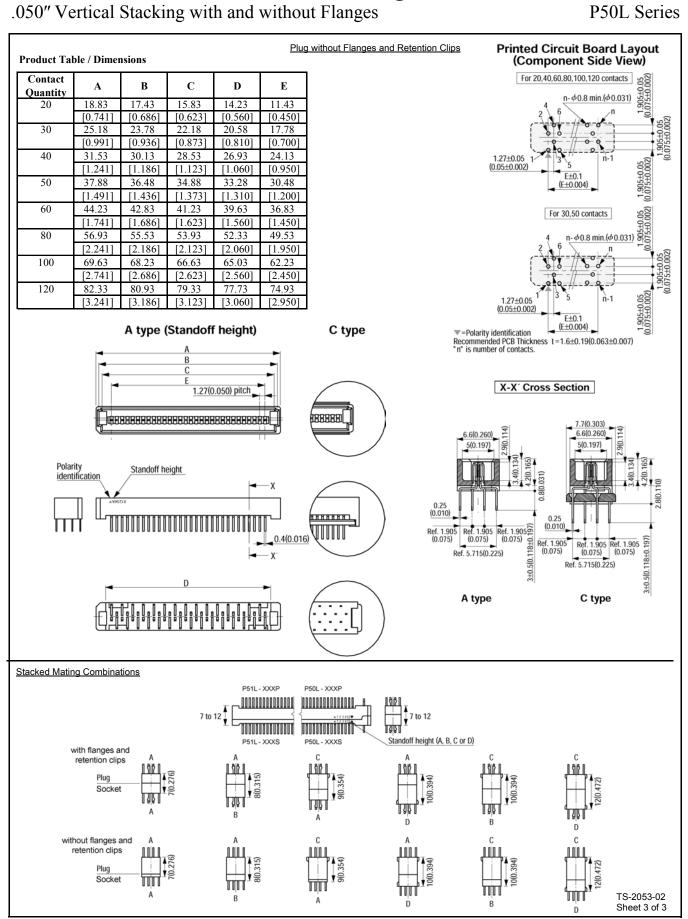
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or prolybromianted diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

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6801 River Place Blvd. Austin, TX 78726-9000 800/225-5373 www.3M.com/electronics

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