# 3M<sup>™</sup> Power Clamp Header

3 mm, Right Angle, 1 and 2 Row, 5 and 10 Contacts

356 Series



- Accepts one or two Power Clamp Wiremount Sockets
- Accepts Branch and Terminator Connectors
- End to end stackable at 25.4 mm pitch on PCB
- Integrated press fit board retention pins retain the connector to the board during wave soldering
- CC-Link Communication Interconnect Standard
- One Touch latching mechanism maintains a reliable interconnection in demanding field applications
- Keyed to prevent reverse insertion of Sockets
- Polarization options ensures proper interconnection of mated connectors
- 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).

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### **Physical**

**Insulation:** 

Body Material: PBT Flammability: UL 94V-0 Body Color: Black

**Contact:** 

Material: Copper Alloy

**Plating:** 

Underplating: 2.5 μm Ni minimum Wiping Area: 0.5 μm Au minimum

Solder Tails: Au Flash

Mating Compatability: 355, 357, and 35T series products (with same polarization)

#### **Electrical**

Current Rating: 18 AWG: 10A (1 contact/socket); 7A (2 - 5 contacts/socket)

20 AWG: 9A (1 contact/socket); 6A (2 - 5 contacts/socket) Rating Conditions: 30° C maximum temperature rise

**Voltage Rating: 250 V** 

**Insulation Resistance:**  $10^3 \text{ M}\Omega \text{ min. at } 600 \text{ V}_{DC}$ **Withstanding Voltage:**  $1,000 \text{ V}_{RMS}$  for 1 minute

#### **Environmental**

**Process Rating:** 260°C maximum for wave solder process

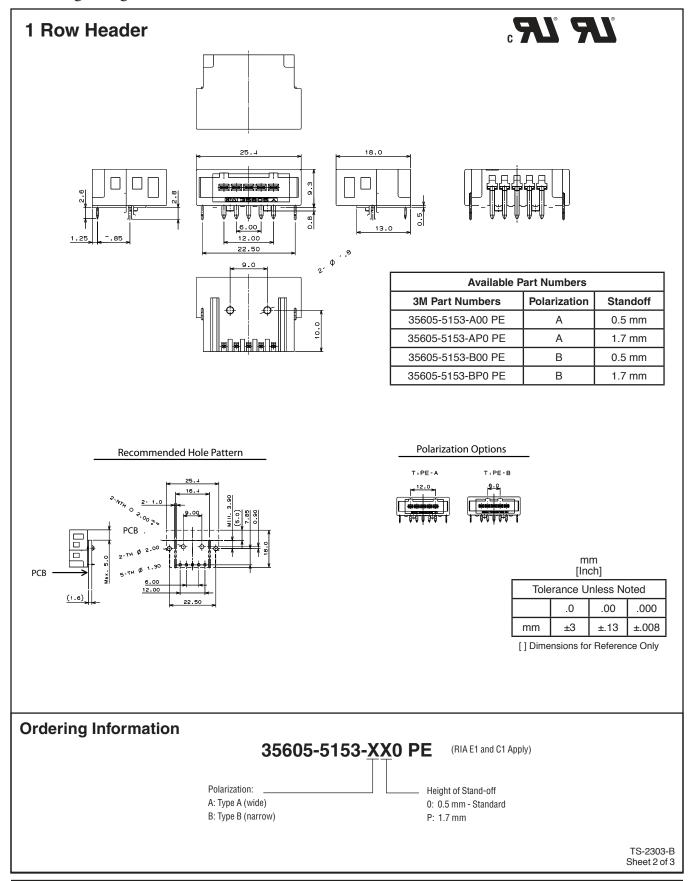
390°C for 3 seconds maximum for soldering iron

**Temperature Rating:** -20°C to +75°C ambient

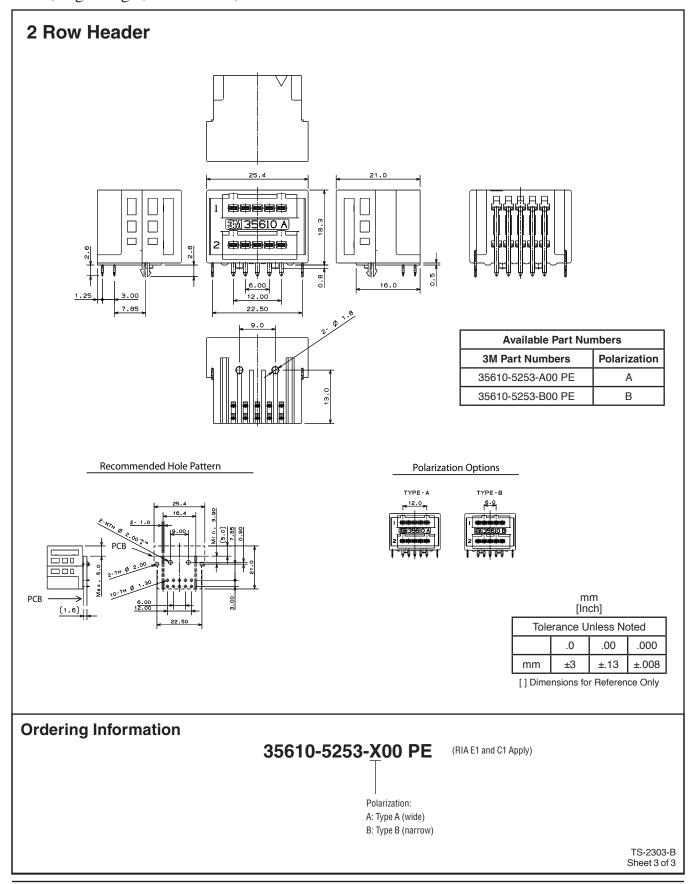
UL Rating: 65° C

UL File No: E68080

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