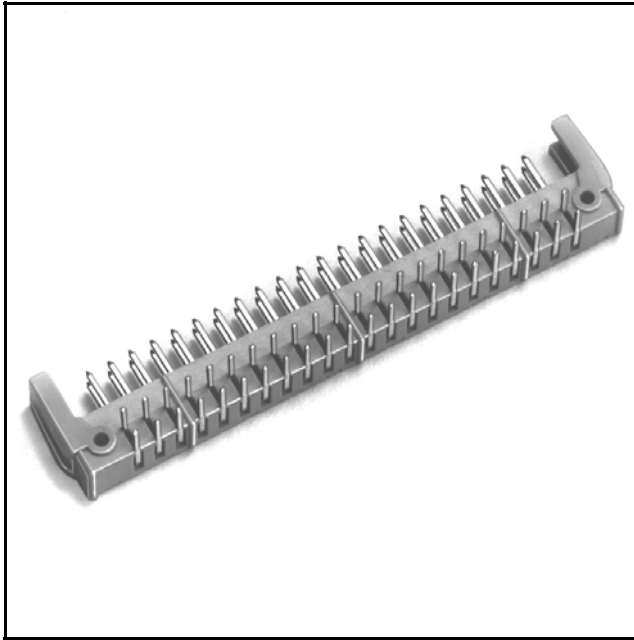


# 3M™ Compact Header

.100" × .075" Right Angle

502 Series



- Low profile
- Consumes less vertical space
- Economy in system layouts
- Uses standard 2.54 [.1] × 2.54 [.1] pc board hole pattern
- Retro-fit without print changes
- Mates with 501 Series wiremount socket
- See regulatory information appendix (RIA) for chemical compliance information

Date Modified: T 3/28/2011

TS-0300-0  
Sheet 1 of 2

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

### Contact

Material: Copper Alloy

### Plating

Underplating: 2.03  $\mu\text{m}$  [ 80  $\mu\text{in}$  ] Nickel

Wiping Area: 0.30  $\mu\text{m}$  [ 12  $\mu\text{in}$  ] Gold

Solder Tails: Gold flash

Marking: 3M Logo, Part Identification Number and Orientation Triangle

## Electrical

Current Rating: 1 A

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

Withstanding Voltage: 1000 V<sub>RMS</sub> at Sea Level

## Environmental

Temperature Rating: -40°C to +85°C

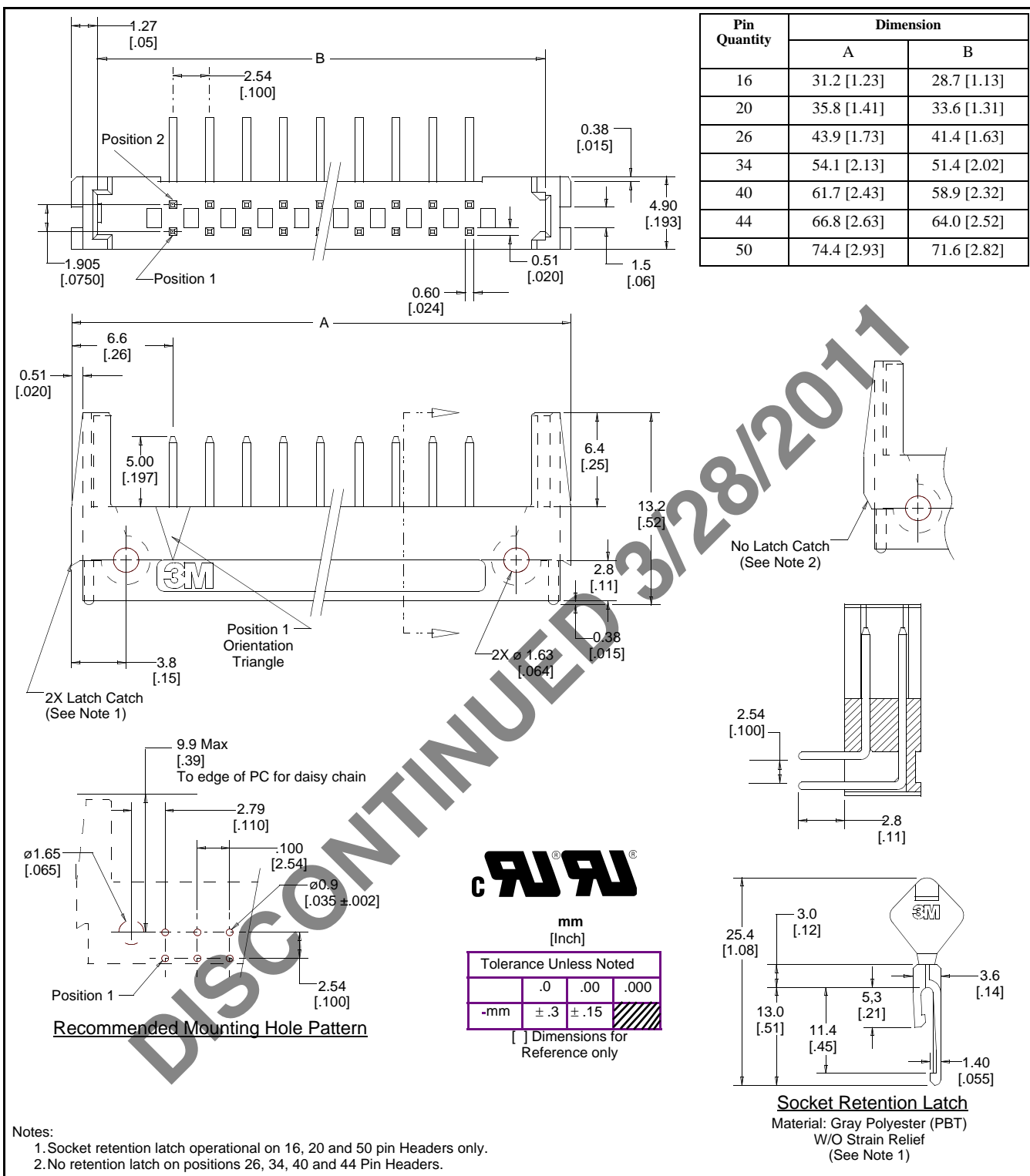
Process Rating: Maximum molded insulator temperature 191°C (Solder Wave Process Only)

UL File No.: E68080

# 3M™ Compact Header

.100" × .075" Right Angle

502 Series



## Ordering Information

**502XX-B002PL** (RIA E1 & C1 apply)

Pin Quantity:  
See Table

**Socket Retention Latch**  
(Order Separately)  
**3785-2**

For recommended 3M mating connectors refer to TS-2203

TS-0300-Ø  
Sheet 2 of 2

**3M**

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DISCONTINUED 3/28/2011

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