

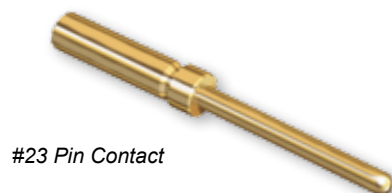
# Series 80 Mighty Mouse Contacts and Tools

## Size #23 Removable Crimp Contacts

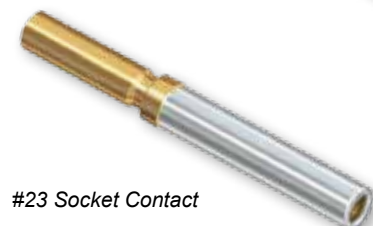


### Size #23 crimp contacts for AWG 22 to 30 gauge

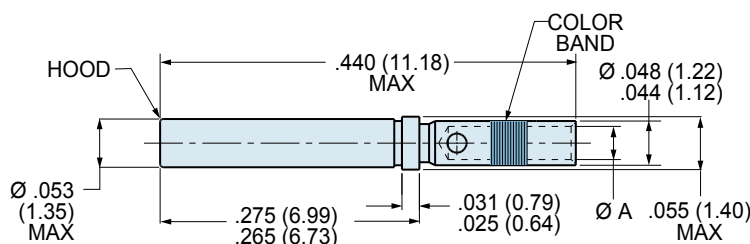
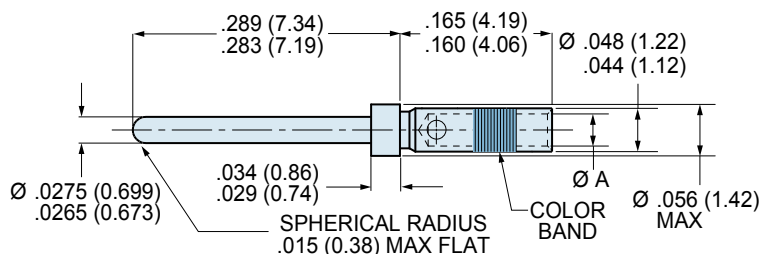
Standard size #23 contacts accept #22 to #28 AWG wire. Choose "small bore" versions for #26 to #30 AWG wire. For thermocouple applications, specify alumel or chromel contacts. Contacts are bulk packaged. Terminate with standard M22520 crimper with special positioner.



#23 Pin Contact



#23 Socket Contact



#### NOTES

##### Material and Finish

- Beryllium copper alloy per ASTM B196 or B197, 50 microinches gold plated per ASTM B488 Type II Code C Class 1.25 over nickel plate per QQ-N-290 Class 2, 50-100 microinches.
- Thermocouple contacts: alumel or chromel alloy, unplated, per ANSI 96.1
- Socket contact hood: stainless steel, passivated per AMS-QQ-P-35.

##### Specifications

- Current Rating: 5 Amps maximum
- Voltage Drop (at 5 Amps and 25° C): 70 millivolts maximum
- Temperature Range: -65° to +175° C
- Socket Contact Minimum Separation Force: 0.5 ounces

##### Crimp Tools and Insertion/Removal Tools

- Crimper: 809-015
- Positioner: 809-005 (standard). Use P/N 809-057 for small bore contacts 809-042 and 809-043
- Standard Insertion/Removal Tool: 809-088

#### Size #23 Removable Crimp Contacts

| Contact Type | Wire Size | Material | Part Number | Ø A         |             | Color Band | Tool Code |
|--------------|-----------|----------|-------------|-------------|-------------|------------|-----------|
|              |           |          |             | In.         | mm.         |            |           |
| Pin          | #22 - #28 | BeCu     | 809-001     | .0335-.0355 | 0.851-0.902 | None       | A, C      |
| Pin          | #26 - #30 | BeCu     | 809-042     | .0229-.0245 | 0.582-0.622 | Blue       | A, D      |
| Pin          | #22 - #28 | Alumel   | 809-065A    | .0335-.0355 | 0.851-0.902 | None       | A, C      |
| Pin          | #22 - #28 | Chromel  | 809-065C    | .0335-.0355 | 0.851-0.902 | None       | A, C      |
| Socket       | #22 - #28 | BeCu     | 809-002     | .0335-.0355 | 0.851-0.902 | None       | A, C      |
| Socket       | #26 - #30 | BeCu     | 809-043     | .0229-.0245 | 0.582-0.622 | Blue       | A, D      |
| Socket       | #22 - #28 | Alumel   | 809-066A    | .0335-.0355 | 0.851-0.902 | None       | A, C      |
| Socket       | #22 - #28 | Chromel  | 809-066C    | .0335-.0355 | 0.851-0.902 | None       | A, C      |

#### Crimp Tensile Strength (Values are in pounds and are minimums.)

| Wire Gage | Silver or Tin Coated Copper Wire | Nickel Coated Copper Wire | Wire Gage | Silver or Tin Coated Copper Wire | Nickel Coated Copper Wire |
|-----------|----------------------------------|---------------------------|-----------|----------------------------------|---------------------------|
| #22       | 12                               | 8                         | #28       | 3                                | 2                         |
| #24       | 8                                | 6                         | #30       | 1.5                              | 1.5                       |
| #26       | 5                                | 3                         |           |                                  |                           |

Dimensions in Inches (millimeters) are subject to change without notice.