

809-002

## #23 Electrical Socket Contact

For Series 79 Micro-Crimp and Series 80 Mighty Mouse

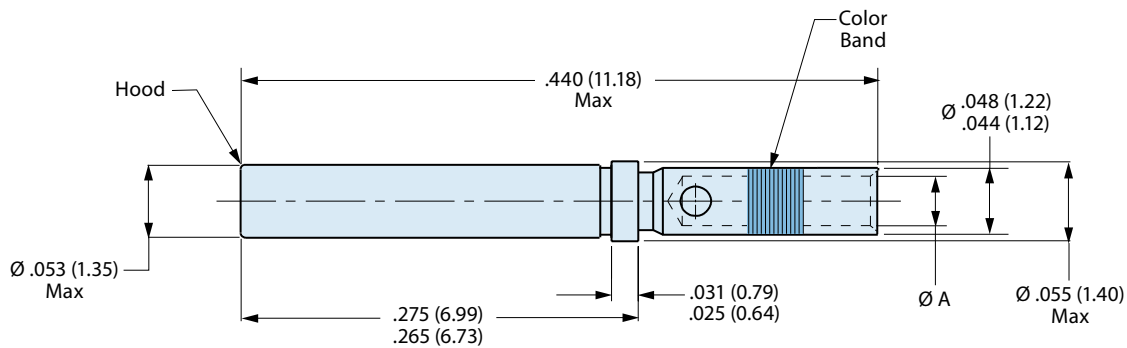
Special  
Purpose

## Size #23 Crimp Socket Contact for Micro-Crimp and Mighty Mouse Connectors



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

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.



## CRIMP TENSILE STRENGTH

Values are in pounds and are minimums.

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

## Material and Finish

Beryllium copper alloy per ASTM B196 or B197, 50 microinches gold plated per ASTM B488 Type 3 Code C Class 1,27 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 + 200° C  
Socket Contact Minimum Separation Force: 0.5 ounces

## Crimp Tools and Insertion/Extraction Tools

Crimper: 809-015 or AFM8  
Positioner: 809-005 (std). Use P/N 809-057 for small bore contacts 809-065 and 809-066  
Standard Insertion/Extraction Tool: 809-088