



850-025
AS39029/89 Type
Thermocouple Socket Contact

D38999
Series II

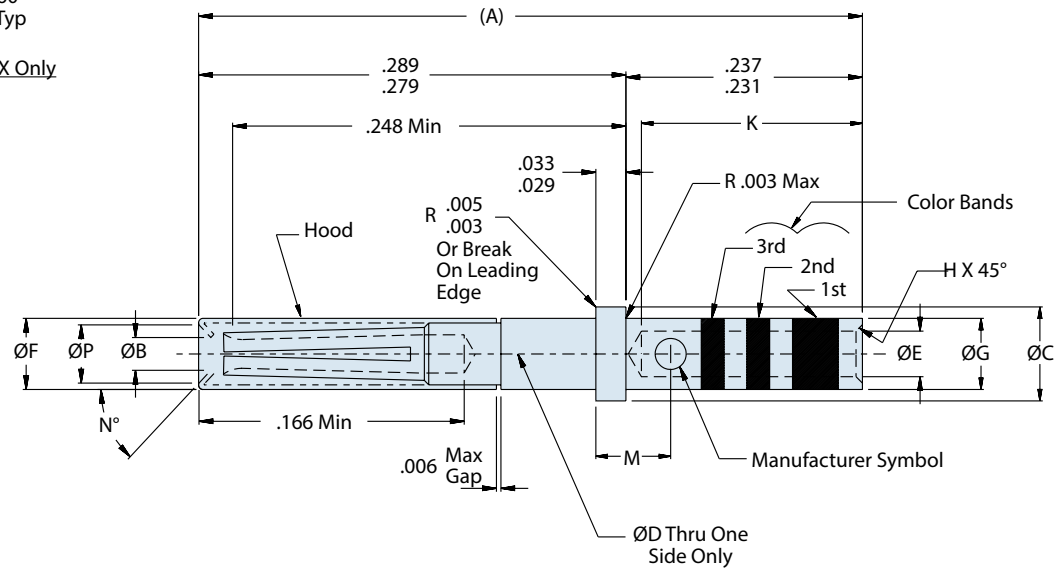
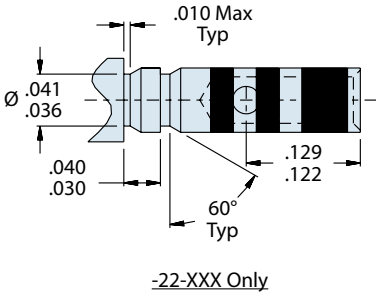
MIL-DTL
24308

Thermocouple Socket Contact to Fit D38999 Series II and M24308 Connectors



| Mating End Size | Wire Accomodation | Military Part Number | Glenair Part Number |
|-----------------|-------------------|----------------------|---------------------|
| 22 | 22-28 AWG | M39029/89-494 | 850-025-22-494 |
| 22 | 22-28 AWG | M39029/89-495 | 850-025-22-495 |
| 22 | 22-28 AWG | M39029/89-496 | 850-025-22-496 |
| 22 | 22-28 AWG | M39029/89-497 | 850-025-22-497 |
| 20 | 20-24 AWG | M39029/89-498 | 850-025-20-498 |
| 20 | 20-24 AWG | M39029/89-499 | 850-025-20-499 |
| 20 | 20-24 AWG | M39029/89-500 | 850-025-20-500 |
| 20 | 20-24 AWG | M39029/89-501 | 850-025-20-501 |
| 16 | 16-20 AWG | M39029/89-502 | 850-025-16-502 |
| 16 | 16-20 AWG | M39029/89-503 | 850-025-16-503 |
| 16 | 16-20 AWG | M39029/89-504 | 850-025-16-504 |
| 16 | 16-20 AWG | M39029/89-505 | 850-025-16-505 |

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850-025
AS39029/89 Type
Thermocouple Socket Contact



Special Purpose

TABLE I: CONTACT DIMENSIONS

| Size | Military Number | Glenair Part Number | A (ref) | ø B Min | ø C | ø D | ø E | ø F Max | ø G | H |
|------|-----------------|---------------------|---------|---------|--------------|--------------|----------------|---------|--------------|--------------|
| 22 | M39029/89-494 | 850-025-22-494 | .518 | .031 | .062 .060 | .022 .018 | .0355 .0335 | .062 | .048 .046 | .005 .003 |
| | M39029/89-495 | 850-025-22-495 | | | | | | | | |
| | M39029/89-496 | 850-025-22-496 | | | | | | | | |
| | M39029/89-497 | 850-025-22-497 | | | | | | | | |
| 20 | M39029/89-498 | 850-025-20-498 | .518 | .0415 | .094 .091 | .032 .026 | .048 .046 | .078 | .070 .068 | .010 .005 |
| | M39029/89-499 | 850-025-20-499 | | | | | | | | |
| | M39029/89-500 | 850-025-20-500 | | | | | | | | |
| | M39029/89-501 | 850-025-20-501 | | | | | | | | |
| 16 | M39029/89-502 | 850-025-16-502 | .518 | .064 | .130 .127 | .042 .036 | .068 .066 | .113 | .103 .101 | .010 .005 |
| | M39029/89-503 | 850-025-16-503 | | | | | | | | |
| | M39029/89-504 | 850-025-16-504 | | | | | | | | |
| | M39029/89-505 | 850-025-16-505 | | | | | | | | |

TABLE I (Continued): CONTACT DIMENSIONS

| Size | Military Number | Glenair Part Number | K Min | M | N° | øP Min | Color Bands | | | Material | Plating |
|------|-----------------|---------------------|-------|--------------|------------|--------|-------------|-------|--------|------------|----------------|
| | | | | | | | 1st | 2nd | 3rd | | |
| 22 | M39029/89-494 | 850-025-22-494 | .141 | - | 50° 44° | .047 | Yellow | White | Yellow | Constantan | None |
| | M39029/89-495 | 850-025-22-495 | | | | | Yellow | White | Green | Alumel | None |
| | M39029/89-496 | 850-025-22-496 | | | | | Yellow | White | Blue | Chromel | None |
| | M39029/89-497 | 850-025-22-497 | | | | | Yellow | White | Violet | Iron | Cadmium Plate* |
| 20 | M39029/89-498 | 850-025-20-498 | .209 | .078 .072 | 47° 28° | .053 | Yellow | White | Gray | Constantan | None |
| | M39029/89-499 | 850-025-20-499 | | | | | Yellow | White | White | Alumel | None |
| | M39029/89-500 | 850-025-20-500 | | | | | Green | Black | Black | Chromel | None |
| | M39029/89-501 | 850-025-20-501 | | | | | Green | Black | Brown | Iron | Cadmium Plate* |
| 16 | M39029/89-502 | 850-025-16-502 | .209 | .088 .082 | 47° 28° | .084 | Green | Black | Red | Constantan | None |
| | M39029/89-503 | 850-025-16-503 | | | | | Green | Black | Orange | Alumel | None |
| | M39029/89-504 | 850-025-16-504 | | | | | Green | Black | Yellow | Chromel | None |
| | M39029/89-505 | 850-025-16-505 | | | | | Green | Black | Green | Iron | Cadmium Plate* |

*Chromate Clear Coat.

TABLE II: TOOL COMPATIBILITY

| Size | Military Number | Glenair Part Number | AWG Handling | Crimp Tool | Positioner | Insertion Tool | Extraction Tool |
|------|-----------------|---------------------|--------------|---|--|-----------------------------|-----------------------------|
| 22 | M39029/89-494 | 850-025-22-494 | 22, 24, 26 | M22520/2-01 M22520/7-01 | M22520/2-06 M22520//7-06 | M81969/14-01 M81969/8-01 | M81969/14-01 M81969/8-02 |
| | M39029/89-495 | 850-025-22-495 | | | | | |
| | M39029/89-496 | 850-025-22-496 | | | | | |
| | M39029/89-497 | 850-025-22-497 | | | | | |
| 20 | M39029/89-498 | 850-025-20-498 | 20, 22, 24 | M22520/7-01 M22520/2-01 M22520/1-01 | M22520/7-08 M22520/2-10 M22520/1-04 (Red) | M81969/8-05 M81969/14-02 | M81969/8-06 M81969/14-02 |
| | M39029/89-499 | 850-025-20-499 | | | | | |
| | M39029/89-500 | 850-025-20-500 | | | | | |
| | M39029/89-501 | 850-025-20-501 | | | | | |
| 16 | M39029/89-502 | 850-025-16-502 | 16, 18, 20 | M22520/1-01 M22520/7-01 | M22520/1-04 (Blue) M22520/7-04 | M81969/8-07 M81969/14-03 | M81969/8-08 M81969/14-03 |
| | M39029/89-503 | 850-025-16-503 | | | | | |
| | M39029/89-504 | 850-025-16-504 | | | | | |
| | M39029/89-505 | 850-025-16-505 | | | | | |

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