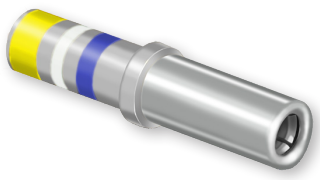




D38999
Series II

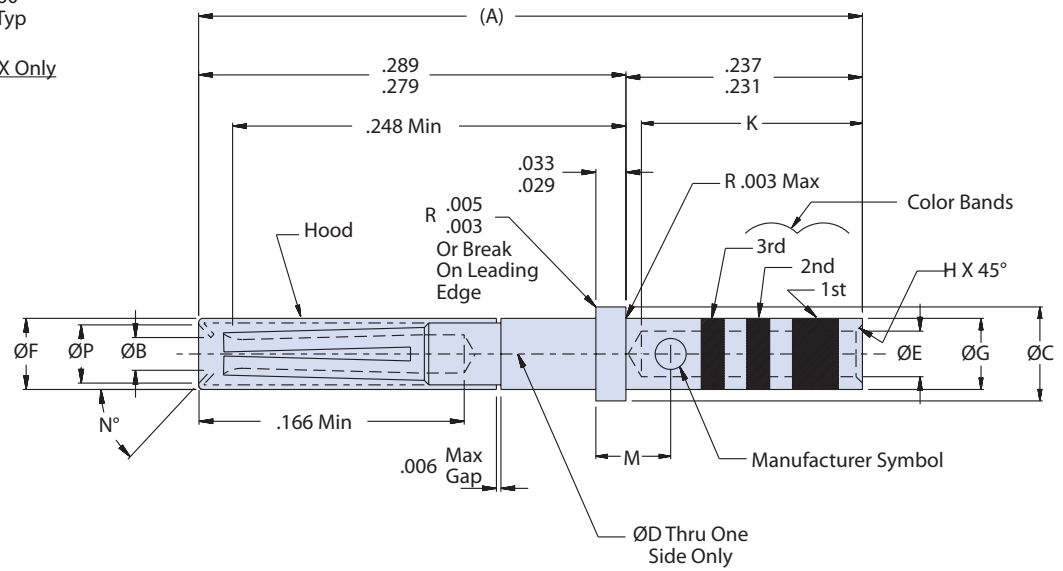
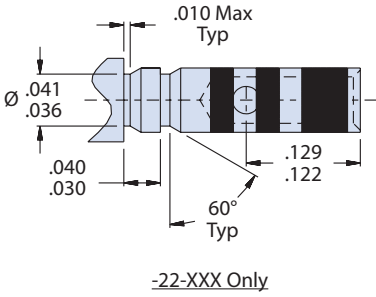
MIL-DTL
24308

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

D



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	.022	.0355	.062	.048	.005
	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	.032	.048	.078	.070	.010
	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	.042	.068	.113	.103	.010
	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	JN	None
	M39029/89-495	850-025-22-495					Yellow	White	Green	KN	None
	M39029/89-496	850-025-22-496					Yellow	White	Blue	KP	None
	M39029/89-497	850-025-22-497					Yellow	White	Violet	JP	Cadmium Plate*
20	M39029/89-498	850-025-20-498	.209	.078 .072	47° 28°	.053	Yellow	White	Gray	JN	None
	M39029/89-499	850-025-20-499					Yellow	White	White	KN	None
	M39029/89-500	850-025-20-500					Green	Black	Black	KP	None
	M39029/89-501	850-025-20-501					Green	Black	Brown	JP	Cadmium Plate*
16	M39029/89-502	850-025-16-502	.209	.088 .082	47° 28°	.084	Green	Black	Red	JN	None
	M39029/89-503	850-025-16-503					Green	Black	Orange	KN	None
	M39029/89-504	850-025-16-504					Green	Black	Yellow	KP	None
	M39029/89-505	850-025-16-505					Green	Black	Green	JP	Cadmium Plate*

Per AS39029 spec, the composition designations have been changed as listed below:
JN =Type J negative (formerly constantan) **KP** =Type K positive (formerly chromel)
KN =Type K negative (formerly alumel) **JP** =Type J positive (formerly iron)

*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, 28	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					