

NOTES:

1. MATERIALS: "G" STYLE

1.1 SHELL, FERRULE
BRASS PER QQ-B-626
FINISH: GOLD, OVER
ELECTROLESS NICKEL
PER MIL-G-45204, TYP 2, CLASS 1

1.2 INSERT
PEEK, GLASS FILLED PER
MIL-P-46183

1.3 CONTACTS
COPPER ALLOY
FINISH: GOLD PER MIL-G-45204

1.4 GASKETS
SILICONE RUBBER PER AMS 3304

1.5 ALTERNATE SHELL MATERIALS
AND FINISHES:

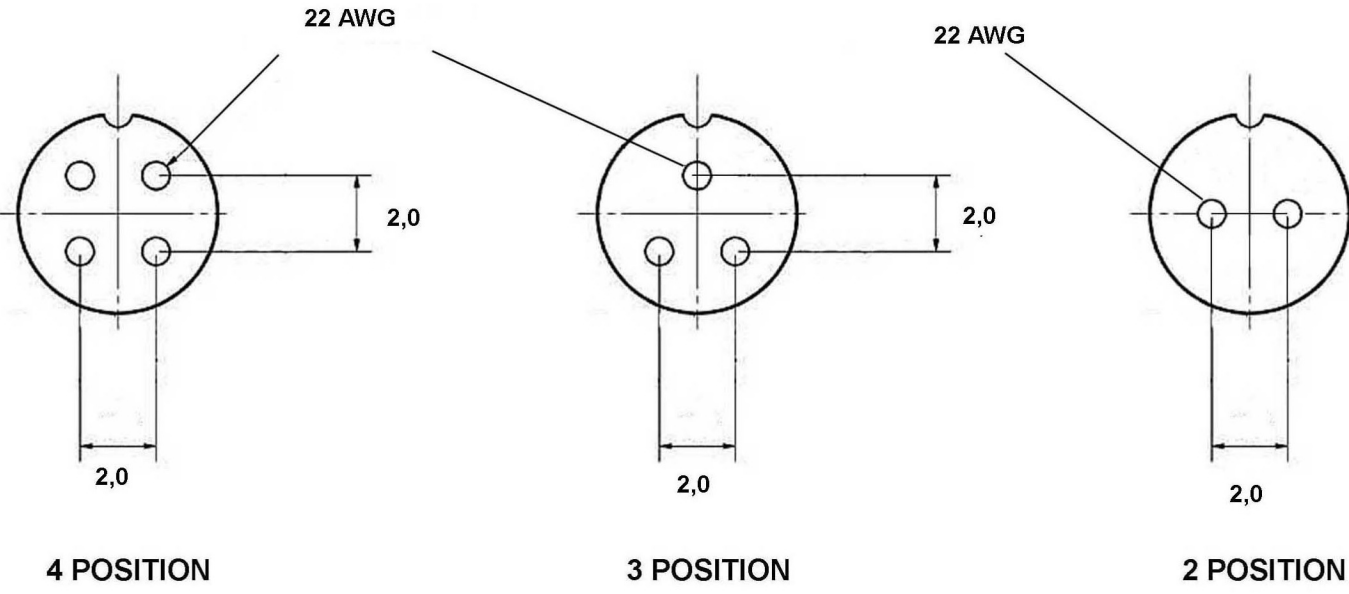
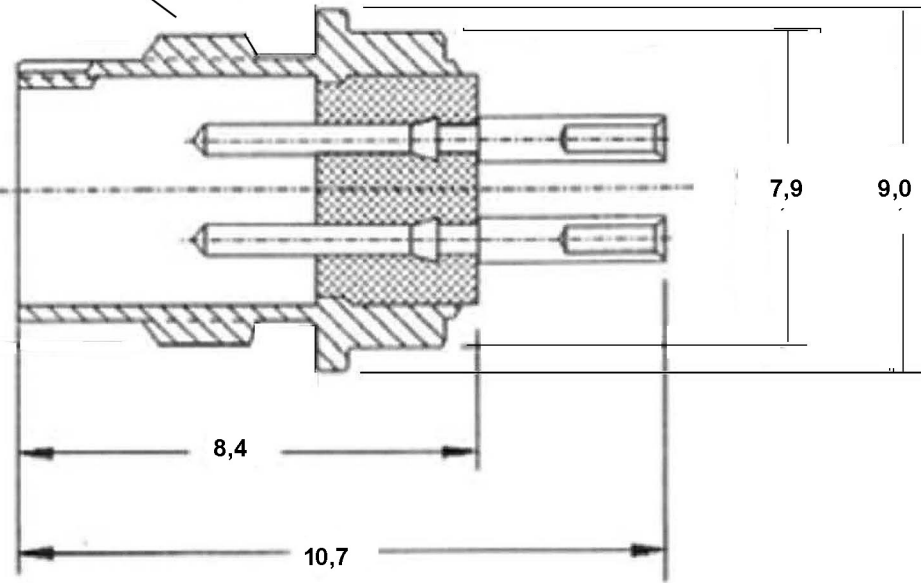
"M" STYLE: BRASS, WITH
ELECTROLESS NICKEL FINISH
PER AMS-C-26074, CLASS 4, GRADE B

"A" STYLE: BRASS, WITH GOLD PLATE,
BLACK CHROMATE

"K" STYLE: STAINLESS STEEL,
300 SERIES, WITH PASSIVATION

REVISION HISTORY		
REVISION	DATE	COMMENT
0	02 /10 / 17	INITIAL RELEASE

5/16-24 NF THREAD



UNLESS OTHERWISE NOTED: DIMENSIONS ARE IN MILLIMETERS DO NOT SCALE THIS DRAWING .X DECIMALS ARE ± 0.5 .XX DECIMALS ARE ± 0.25 .XXX DECIMALS ARE ± 0.13 ANGLES ARE $\pm 0.5^\circ$	DRAWING	SC	MILSPECWEST - MICRO PRODUCTS CAGE CODE: 3HD49	
	CHECKED	TS	DESCRIPTION: MICRO HEAVY DUTY SOLDER MOUNT RECEPTACLE	
	Q.A.	KB	DWG. NO. MSWH-*-E-***	REVISION: 0 SHEET 1 OF 2

THIS DOCUMENT IS SOLE PROPERTY OF MILSPECWEST AND IS ISSUED IN STRICT CONFIDENCE THAT IT WILL NOT BE REPRODUCED IN ANY WAY OR USED TO SOLICIT BUSINESS OF A COMPETITIVE NATURE. DISTRIBUTION OF THIS DOCUMENT IS PROHIBITED UNLESS WRITTEN CONSENT IS OBTAINED FROM MILSPECWEST. THIS DOCUMENT IS SUITABLE FOR ENGINEERING EVALUATION AND MAY BE USED IN TECHNICAL SPECIFICATIONS.

	1	2	3	4	5	6	7	8					
A	NOTES: 1. MATERIALS: "G" STYLE 1.1 SHELL, FERRULE BRASS PER QQ-B-626 FINISH: GOLD, OVER ELECTROLESS NICKEL PER MIL-G-45204, TYP 2, CLASS 1 1.2 INSERT PEEK, GLASS FILLED PER MIL-P-46183 1.3 CONTACTS COPPER ALLOY FINISH: GOLD PER MIL-G-45204 1.4 GASKETS SILICONE RUBBER PER AMS 3304 1.5 ALTERNATE SHELL MATERIALS AND FINISHES: "M" STYLE: BRASS, WITH ELECTROLESS NICKEL FINISH PER AMS-C-26074, CLASS 4, GRADE B "A" STYLE: BRASS, WITH GOLD PLATE, BLACK CHROMATE "K" STYLE: STAINLESS STEEL, 300 SERIES, WITH PASSIVATION					REVISION HISTORY			A				
						REVISION	DATE	COMMENT					
						0	02/17/2017						
B						SPECIFICATIONS:			B				
						ELECTRICAL:							
C						ELECTRICAL RESISTANCE: 10,000 M OHMS PER MIL-C-22557 RATED WORKING VOLTAGE: 400V @ SEA LEVEL DIELECTRICWITHSTANDING: 1,000 V @ SEA LEVEL PER MIL-C-22557 CONTACT VOLTAGE DROP: 4 mV @ 1 AMP PER MIL-C-22557 CONTACT RESISTANCE: 4 MOHM @ 1 AMP PER MIL-C-22557 CONTACT CURRENT RATING: 3 AMP			C				
						ENVIRONMENTAL:							
D						VIBRATION: MIL STD 202A METHOD 204 TEST COND B (15G's) NO DISCONTINUITY IN EXCESS OF 1 MICROSECOND SHOCK: MIL STD 202 METHOD 202, 300 G's NO EVIDENCE OF DAMAGE TEMPERATURE CYCLING: MIL STD 202 METHOD 102, CONDITION C CORROSION (SALT SPRAY): MIL STD 202 METHOD 10,COND B 5% SALT SOLUTION MOISTURE RESISTANCE: MIL STD 202C METHOD 106B, OMITTING STEO 7B AND HIGH HUMIDITY TESTS			D				
						MECHANICAL:							
E						CONTACTS: CONTACTS ARE CONTRAINED IN BOTH DIRECTIONS ENGAGING FORCE: 0.8NPER CONTACT COUPLING RETENTION TORQUE: 60 Nmm CONTACT DURABILITY: 5000 CYCLES WITHH CONTACT RESISTANCE WITHIN MIN MIL-C-22557 CABLE RETENTION: SEPARATION FORCE EQUAL TO BREAKING STRENGTH OF SHIELD OF THE CABLE PER MIL-C-22557			E				
F	PART NUMBER BREAKDOWN MSWH - G - E - 04 P P = PIN S = SOCKET NUMBER OF CONTACTS 02 03 04 SHELL SIZE (SEE TABLE 2) BODY STYLE B = PLUG R = IN LINE RECEPTACLE C = STRAIGHT PCB MOUNT D = FRONT PANEL JAM NUT MOUNT E = FRONT PANEL SOLDER MOUNT F = RIGHT ANGLE PCB MOUNT FINISH AND MATERIAL G = BRASS WITH GOLD OVER ELEC NICKEL M = BRASS WITH ELECTROLESS NICKEL A = BRASS WITH BLACK ANODIZE K = STAINLESS STEEL WITH PASSIVATION BASIC PART NUMBER					UNLESS OTHERWISE NOTED: DIMENSIONS ARE IN MILLIMETERS DO NOT SCALE THIS DRAWING			DRAWING	SC	MILSPECWEST - MICRO PRODUCTS CAGE CODE: 3HD49		F
						.X DECIMALS ARE ±0.5 .XX DECIMALS ARE ±0.25 .XXX DECIMALS ARE ±0.13					CHECKED		
					ANGLES ARE ±0.5°			Q.A.	KB	DWG. NO. MSWH-* -E-***		REVISION: 0	
												SHEET 2 OF 2	
	1	2	3	4	5	6	7	8					

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