



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		
					REVISION	DATE	COMMENT
					1	04-20-2019	
B	SPECIFICATIONS:				ELECTRICAL:		
B					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		
B					ENVIRONMENTAL:		
C					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	PART NUMBER BREAKDOWN				MECHANICAL:		
D					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	MSW - G - B - 09 S  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		
E					.X DECIMALS ARE ±0.5 .XX DECIMALS ARE ±0.25 .XXX DECIMALS ARE ±0.13		
E					ANGLES ARE ±0.5°		
F	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.				DRAWING	SC	MILSPECWEST - MICRO PRODUCTS CAGE CODE: 3HD49
F					CHECKED	TS	DESCRIPTION: MICRO PLUG
F					Q.A.	KB	DWG. NO. MSW - * - B - 09S REVISION: 1 SHEET 2 OF 2
1	2	3	4	5	6	7	8