

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

M4,5 X 0,35 THREAD

SW6

5,3

3,9

1,7

2,8

4,0

5,6

15,0

0,32 +0.00/ - 0.02

0,32 +0.00/ - 0.02

1,2

1,2

1,2

1,2

1,2

4 POSITION

3 POSITION

2 POSITION

UNLESS OTHERWISE NOTED:  
DIMENSIONS ARE IN MILLIMETERS  
DO NOT SCALE THIS DRAWING

.X DECIMALS ARE  $\pm 0.5$   
.XX DECIMALS ARE  $\pm 0.25$   
.XXX DECIMALS ARE  $\pm 0.13$

ANGLES ARE  $\pm 0.5^\circ$

DRAWING

SC

MILSPECWEST - MICRO PRODUCTS  
**CAGE CODE: 3HD49**

CHECKED

TS

DESCRIPTION:  
**ULTRA MICRO IN-LINE RECEPTACLE**

Q.A.

KB

DWG. NO.

**MSWU-\*-R-\*\*\***

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" STLYE: BRASS, WITH ELECTROLESS NICKEL FINISH PER AMS-C-26074, CLASS 4, GRADE B "A" STYLE: BRASS, WITH GOLD PLATE, BLACK CHROMATE FINISH "K" STYLE: STAINLESS STEEL, 300 SERIES, WITH PASSIVATION										REVISION HISTORY				A				
											REVISION		DATE			COMMENT			
											0		02 /10 / 17			INITIAL RELEASE			
B											SPECIFICATIONS:				-				
											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								
											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								
											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								
F											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 ±0.5°				DRAWING	SC	MILSPECWEST - MICRO PRODUCTS CAGE CODE: 3HD49		F
											CHECKED	TS	DESCRIPTION: ULTRA MICRO IN-LINE RECEPTACLE						
										Q.A.	KB	DWG. NO. MSWU-*-R-***		REVISION: 0 SHEET 2 OF 2					
1		2		3		4		5		6		7		8					

PART NUMBER BREAKDOWN

MSWU - R - B - 04 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

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