



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 ,35 THREAD

0,58 +0.00/ - 0.02

0,58 +0.00/ - 0.02

1,59

1,59

1,59

6,9

8,9

4,5

6,5

4 POSITION

3 POSITION

2 POSITION

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

CHECKED

TS

DESCRIPTION:
ULTRA MICRO SOLDER MOUNT

Q.A.

KB

DWG. NO.
MSWU-*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

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4

5

6

7

8

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PART NUMBER BREAKDOWN

MSWU - G - E - 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

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BASIC PART NUMBER

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REVISION HISTORY

REVISION

DATE

COMMENT

0

02/17/2017

SPECIFICATIONS:

ELECTRICAL:

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:

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:

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

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