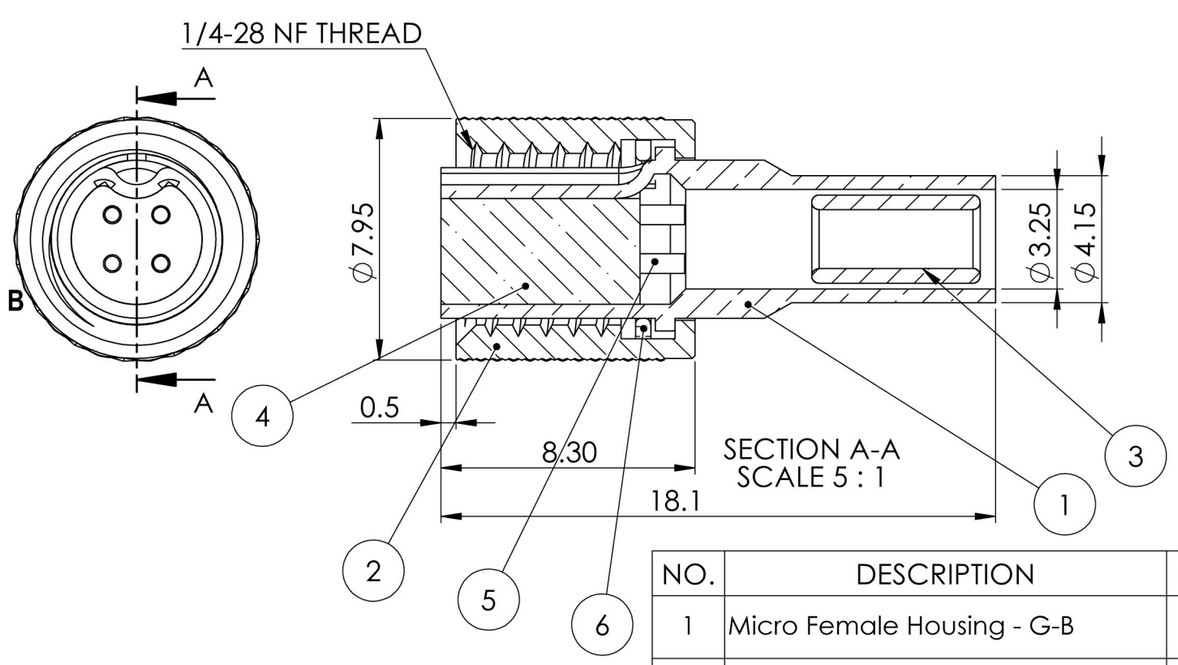
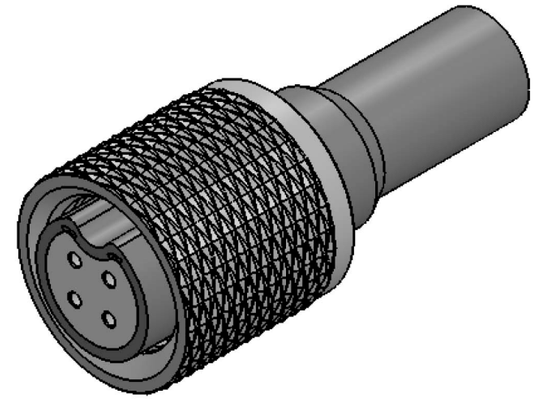
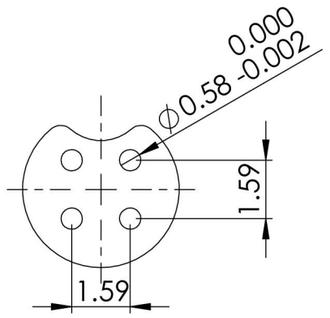
REVISION HISTORY		
REVISION	DATE	COMMENT

NOTES:

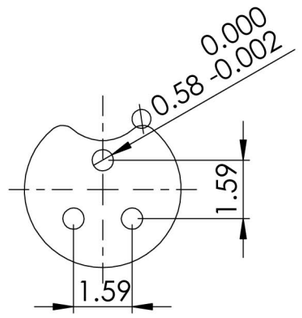
1. MATERIALS: "G" STYLE
   - 1.1 SHELL, FERRULE
     - BRASS PER QQ-B-626
     - FINISH: GOLD, OVER ELECTROLESS NICKEL PER MIL-G-45204, TYP 2, CLASS 1
   - 1.2 INSERT
     - PEEK, GLASS FILLED PER MIL-P-46183
   - 1.3 CONTACTS
     - COPPER ALLOY
     - FINISH: GOLD PER MIL-G-45204
   - 1.4 GASKETS (OPTIONAL)
     - SILICONE RUBBER PER AMS 3304
   - 1.5 ALTERNATE SHELL MATERIALS AND FINESHES:
     - "M" STYLE: BRASS, WITH ELECTORLESS 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



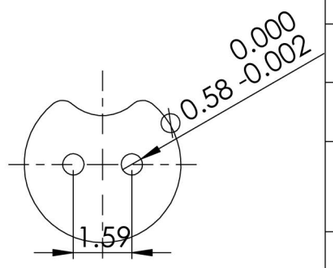




4 POSITION



3 POSITION



2 POSITION

LAYOUT

NO.	DESCRIPTION	QTY	MATERIAL	PLATING	Remarks
1	Micro Female Housing - G-B	1	BRASS	GOLD PLATE	
2	Micro Coupling Ring - G-B	1	BRASS	GOLD PLATE	
3	Micro Ferrule - G-B	1	BRASS	GOLD PLATE	
4	Micro Female Insert - G-B	1	PEEK	1	30% GLASS FILL
5	Micro female pin - G-B	4	COPPER ALLOY	GOLD PLATE	
6	Micro Washer - G-B	1	STAINLESS STEEL	PASSIVATED	

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		**MILSPECWEST-MICRO PRODUCTS**
CHECKED		DESCRIPTION: MSW PLUG
Q.A.		DWG. NO. MSW-G-B*** / REVISION: 4 / SHEET 1 OF 2

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

PART NUMBER BREAKDOWN

MSW - G - 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

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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.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: **MICRO PLUG**	
Q.A.	KB	DWG. NO. **MSW-*-B-***	REVISION: 4 SHEET 2 OF 2