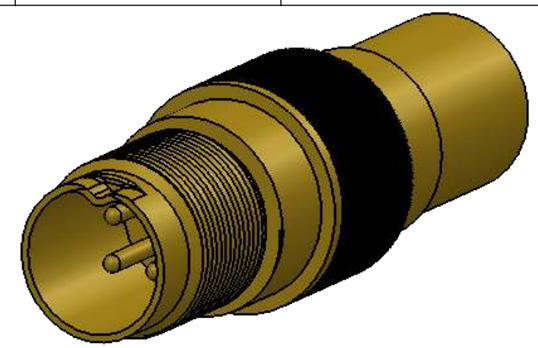
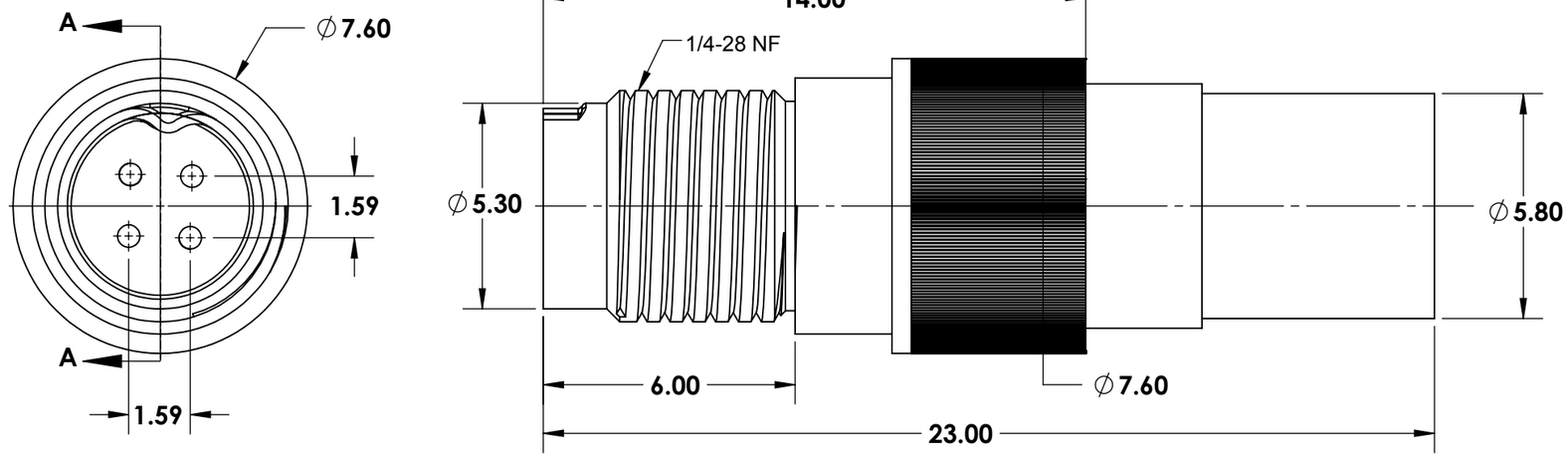
REVISION HISTORY		
REVISION	DATE	COMMENT

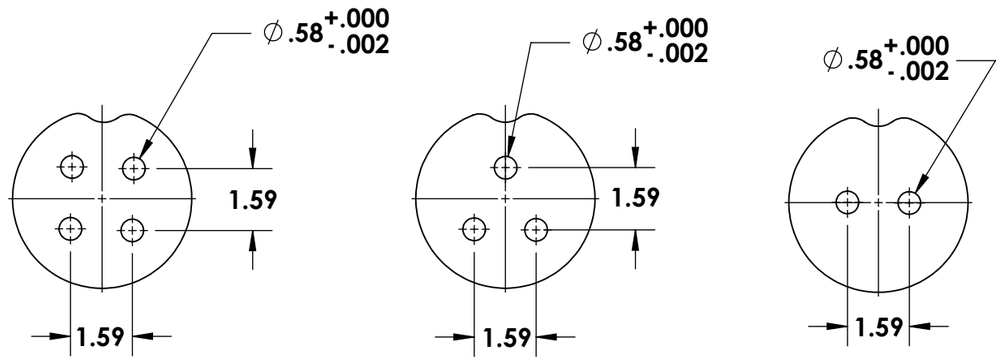
NOTES:

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 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





Layout



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	
CHECKED	TS	DESCRIPTION: MICRO IN-LINE RECEPTACLE	
Q.A.	KB	DWG. NO. MSW-R	REVISION: 0
			SHEET 1 OF 2

REVISION HISTORY		
REVISION	DATE	COMMENT
0	02/17/2017	

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:
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     - "A" STYLE: BRASS, WITH GOLD PLATE, BLACK CHROMATE
     - "K" STYLE: STAINLESS STEEL, 300 SERIES, WITH PASSIVATION

PART NUMBER BREAKDOWN

MSW 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

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: **MSW IN-LINE RECEPTACLEE**	
Q.A.	KB	DWG. NO. **MSW-*-R-***	REVISION: 0
			SHEET 1 OF 2