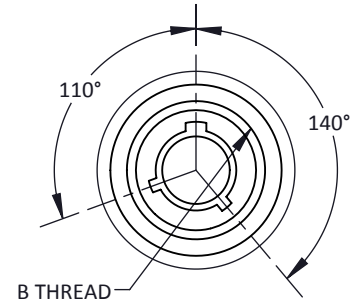


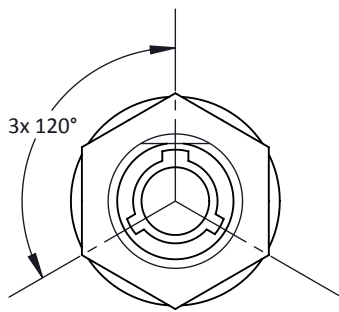
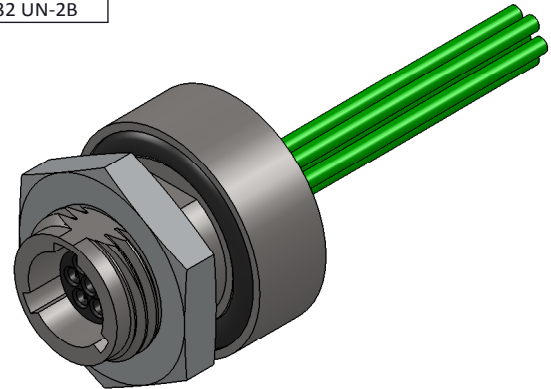
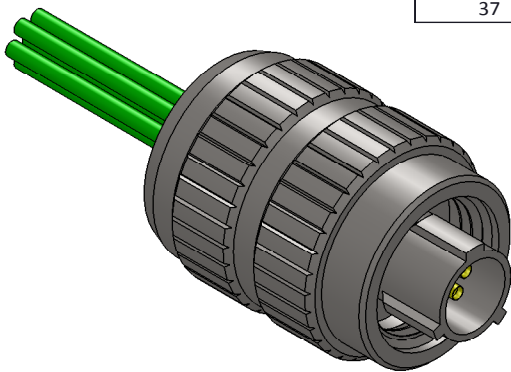
0 - STANDARD KEYING



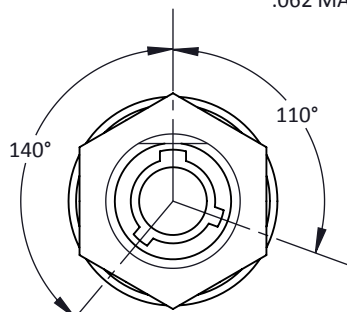
1 - ALTERNATE KEYING

NO. OF CONTACTS	Ø A MAX	B THREAD
7	.600	.350-32 UNS-2B
19	.700	.500-32 UN-2B
37	.825	.625-32 UN-2B

**PLUG**

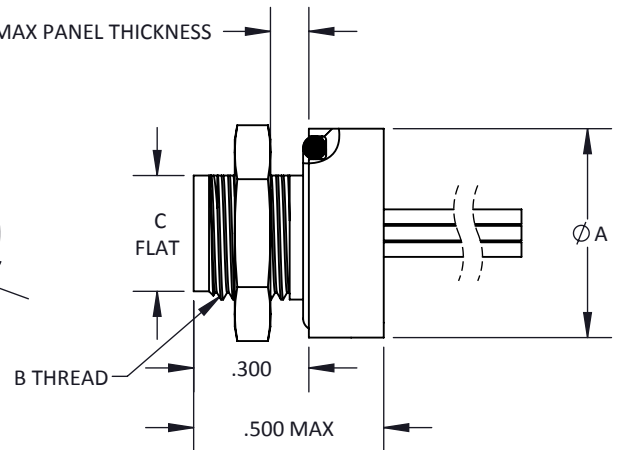


0 - STANDARD KEYING



1 - ALTERNATE KEYING

.062 MAX PANEL THICKNESS



NO. OF CONTACTS	Ø A MAX	B THREAD	C FLAT
7	.562	.350-32 UNS-2A	.323
19	.750	.500-32 UN-2A	.473
37	.875	.625-32 UN-2A	.598

**RECEPTACLE**

TOLERANCE: .XXX ±.005  
.XX ±.01  
ANGLE ±1°

TITLE

**CIRCULAR  
MICROMINIATURE  
METAL SHELL**

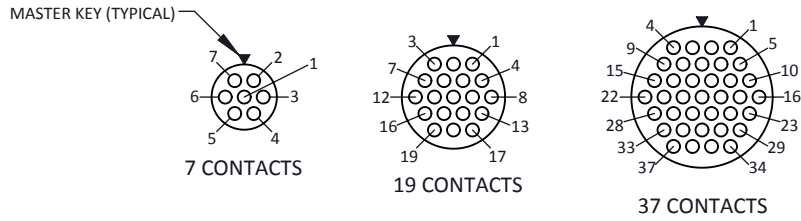
SHT 1 OF 2

DWG. NO.

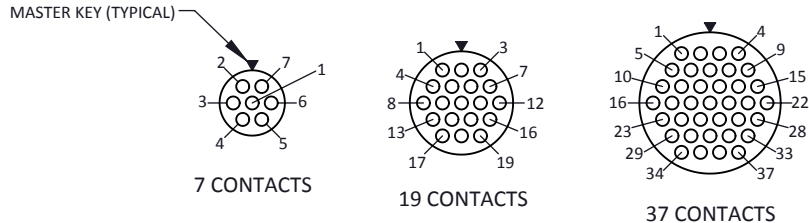
MMC

REV

**E**



SOCKET INSERT MATING FACE (PLUG)



PIN INSERT MATING FACE (RECEPTACLE)

MMC-XX X -X X X X X -X

CRISTEK MICRO-METAL SHELL  
CIRCULAR CONNECTOR

NUMBER OR CONTACTS  
07  
19  
37

GENDER  
P = PLUG, SOCKET CONTACTS  
S = RECEPTACLE, PIN CONTACTS

SHELL FINISH  
B = ELECTROLESS NICKEL (PREFERRED PLATING)  
Y = YELLOW CHROMATE CADMIUM OVER NICKEL  
O = OLIVE DRAB CADMIUM OVER NICKEL PLATE  
P = PASSIVATION

TERMINATION  
0000 = SOLDER CUP (RECEPTACLE ONLY)  
WIRE TYPE  
STRANDED  
H = HARNESS (MIL-W-16878/4)  
M = MILITARY (MIL-W-22759/11) \*  
S = SPACE (MIL-W-22759/33)  
SOLID  
G = GOLD PLATED COPPER  
T = TIN/LEAD PLATED COPPER

KEYING OPTIONS (FROM SHT 1)  
0 = STANDARD  
1 = ALTERNATE

WIRE LENGTH  
STRANDED (+1.00 / -0.00)  
1 = 6 INCHES  
2 = 12 INCHES  
3 = 18 INCHES  
4 = 24 INCHES  
5 = 36 INCHES  
6 = 72 INCHES  
SOLID COPPER (+0.20 / -0.00)  
1 = 0.5 INCH  
2 = 1.0 INCH  
3 = 0.25 INCH

WIRE SIZE  
STRANDED WIRE  
0 = 26 AWG  
1 = 24 AWG  
2 = 28 AWG  
SOLID WIRE  
0 = 25 AWG  
1 = 24 AWG

WIRE COLOR/TYPE  
0 = WHITE STRANDED \*  
1 = YELLOW STRANDED \*  
2 = 10 SOLID COLORS REPEATED \*  
3 = FULL COLOR CODE STRANDED  
9 = SOLID COPPER \*

\* = MOST COMMONLY USED & STOCKED WIRE TYPES

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513 WHERE APPLICABLE. FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:

SHELL AND JAM NUT - ALUMINUM ALLOY OR CRES  
INSULATOR - GLASS FILLED THERMOPLASTIC  
PIN/SOCKET CONTACT - COPPER ALLOY

2. FINISH:

SHELL AND JAM NUT - ELECTROLESS NICKEL (PREFERRED),  
YELLOW CADMIUM OVER ELECTROLESS NICKEL,  
OLIVE CADMIUM OVER NICKEL OR PASSIVATION  
CONTACT - GOLD OVER NICKEL

3. SPECIFICATIONS:

CURRENT RATING ----- 3 AMPS MAX  
TEMPERATURE RATING ----- -55° C TO +125° C  
INSULATION RESISTANCE ----- 5000 MEGOHMS MIN  
DWV AT SEA LEVEL ----- 600 VAC  
DWV AT 70,000 FT ALTITUDE --- 150 VAC  
CONTACT RESISTANCE  
26 AWG ----- 32 MILLIOHMS  
25 AWG ----- 25 MILLIOHMS  
24 AWG ----- 25 MILLIOHMS  
LOW LEVEL CONTACT ----- 10 MILLIOHMS MAX  
RESISTANCE  
CONTACT RETENTION ----- 5 LBS MINIMUM AXIAL LOAD  
ENGAGEMENT FORCE ----- 6 oz MAX  
SEPARATION FORCE ----- 0.5 oz MIN

4. ADDITIONAL INFORMATION:

DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH M83513 WHERE APPLICABLE.

FOR OTHER TERMINATIONS, CONTACT CRISTEK.

TOLERANCE: .XXX ±.005  
.XX ±.01  
ANGLE ±1°

TITLE

CIRCULAR  
MICROMINIATURE  
METAL SHELL

SHT 2 OF 2

DWG. NO.

MMC

REV

E