

NOTES:

1. MATERIALS AND FINISHES:

MAIN BODY:
 BODY = ZINC ALLOY, NICKEL PL. 100 MIN. THICK OVER COPPER
 HOUSING = PPA, 33% GLASS FILLED, COLOR PER TABLE

CONTACT = BERYLLIUM COPPER, GOLD PL. 5 MIN. THICK OVER PHOSPHORUS CONTENT
 9%~13% ELECTROLESS NICKEL PL. 100 MIN. THICK

BULLET CONTACT = BRASS, GOLD PL. 5 MIN. THICK OVER PHOSPHORUS CONTENT
 9%~13% ELECTROLESS NICKEL PL. 100 MIN. THICK

INSULATOR = PTFE, COLOR: NATURAL.

INSULATOR DISC = ULTEM 1000, NATURAL

LOCK WASHER = PHOSPHOR BRONZE, NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE

HEX NUT = BRASS, NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE

INNER FERRULE = BRASS, GOLD PL. 5 MIN. THICK OVER PHOSPHORUS CONTENT

9%~13% ELECTROLESS NICKEL PL. 100 MIN. THICK

2. ELECTRICAL:

- A. IMPEDANCE : 50 OHM, NOMINAL
- B. FREQUENCY RANGE: DC - 6 GHz
- C. VSWR: 1.40 MAX.
- D. DIELECTRIC WITHSTANDING VOLTAGE: 800 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY: 100 CYCLES MIN.
- B. TEMPERATURE RANGE: -40°C TO 85°C
- C. MEETS IP67 SEALING REQUIREMENTS
- D. INTERFACE PER DIN 72594-1
- E. IP-67 ON INTERFACE END ONLY

4. PACKAGING:

- A. QUANTITY: TRAY PACK
- B. MARKING: TRAY TO BE MARKED "AMPHENOL RF, 2FA1-NXSP-C10E1 & DATE CODE"

SEE TABLE

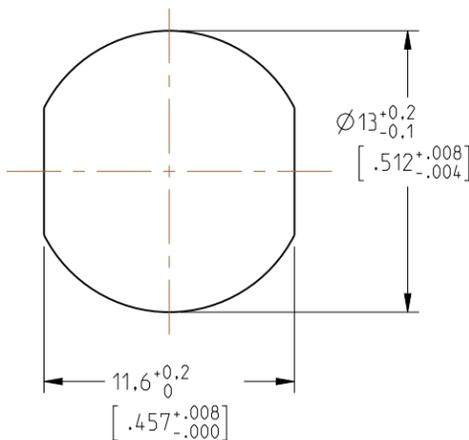
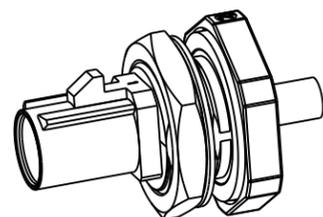
5. ASSEMBLY

- A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
- B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK OVER INNER FERRULE.
- C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE. BOTTOMING ON INNER FERRULE.
- D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING ON INSULATOR.
- E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS
- F. CRIMP BODY OVER INNER FERRULE USING .128" HEX

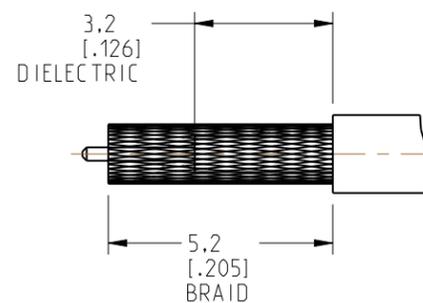
6. SHOWS CABLE ENTRY DIMENSIONS

CODING	DRAWING NO.	COLOR	RAL NO.
A	2FA1-NASP-C10E1	JET BLACK	9005
B	2FA1-NBSP-C10E1	CREAM	9001
C	2FA1-NCSP-C10E1	SIGNAL BLUE	5005
D	2FA1-NDSP-C10E1	CLARET VIOLET	4004
E	2FA1-NESP-C10E1	LEAF GREEN	6002
F	2FA1-NFSP-C10E1	NUT BROWN	8011
G	2FA1-NGSP-C10E1	BLUE GREY	7031
H	2FA1-NHSP-C10E1	HEATHER VIOLET	4003
I	2FA1-NISP-C10E1	BEIGE	1001
K	2FA1-NKSP-C10E1	CURRY	1027
L	2FA1-NLSP-C10E1	CARMINE RED	3002
M	2FA1-NMSP-C10E1	PASTEL ORANGE	2003
N	2FA1-NNSP-C10E1	PASTEL GREEN	6019
Z	2FA1-NZSP-C10E1	WATER BLUE	5021

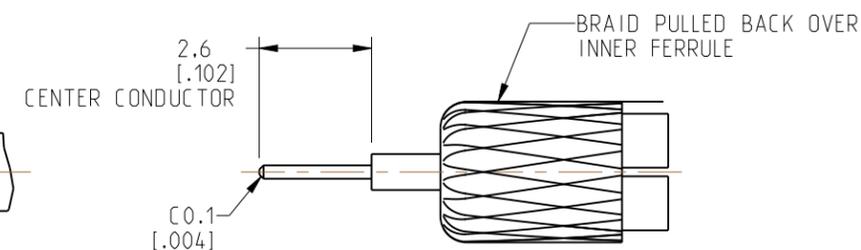
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	19-Dec-25	17737	SH



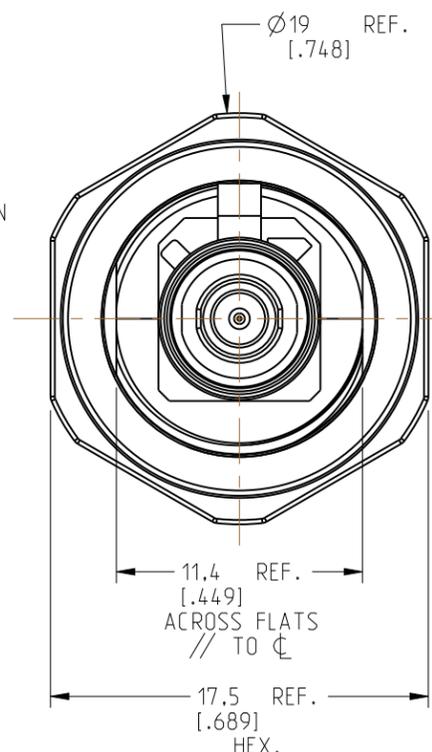
RECOMMEND MOUNTING HOLE DIMENSIONS



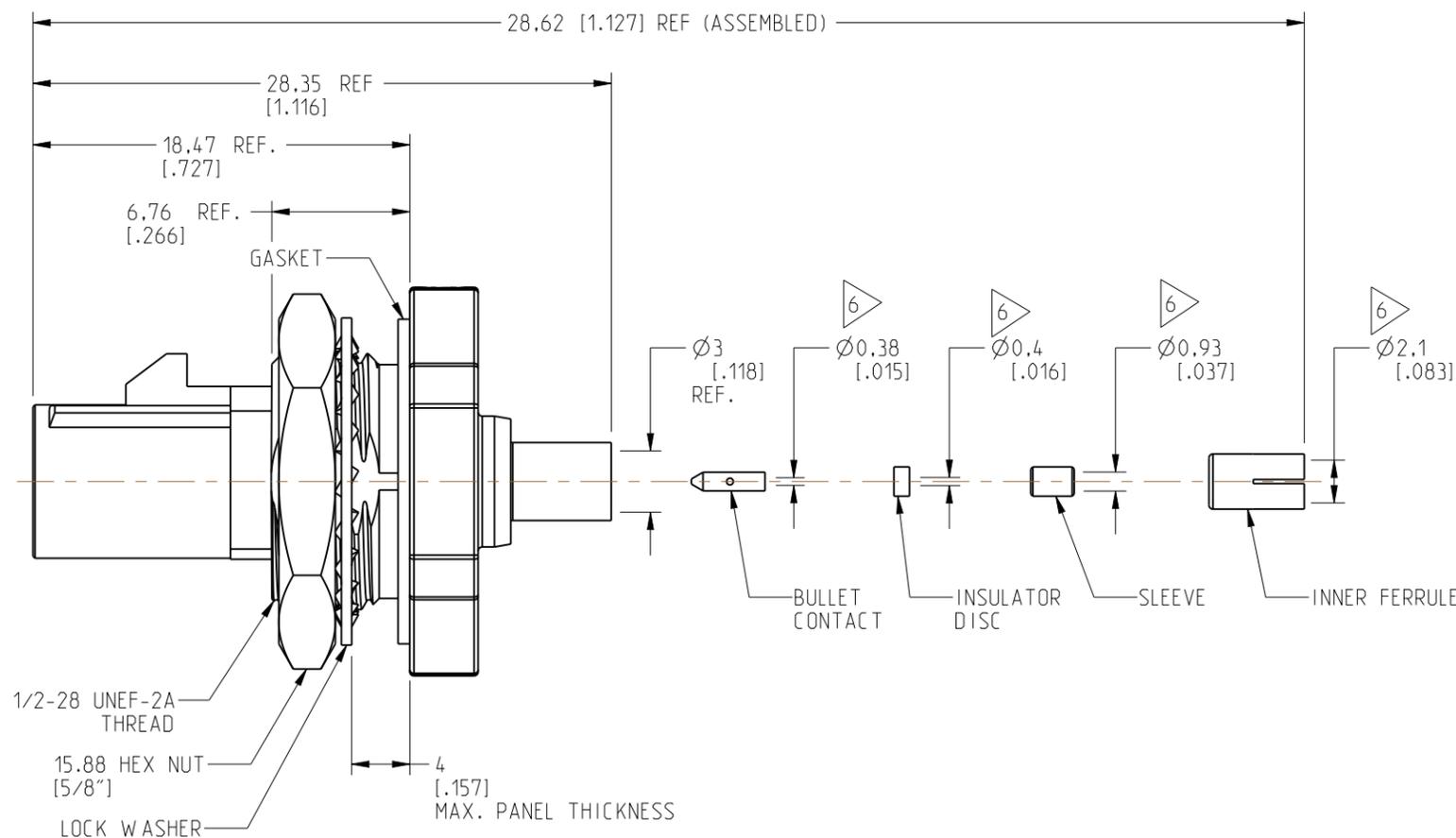
RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)



RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)



LOCK WASHER & HEX NUT ARE NOT SHOWN IN THIS VIEW



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:
 <0.5mm = ±0.05mm [-0.020 = ±0.002]
 0.5 - 6mm = ±0.1mm [+0.020 - 0.236 = ±0.004]
 >6.00 - 30mm = ±0.2mm [+0.236 - 1.181 = ±0.008]
 >30.00 - 120mm = ±0.3mm [+1.181 - 4.725 = ±0.012]

MATERIAL SEE NOTES

TITLE
 FAKRA SMB PLUG
 REAR BULKHEAD, IP-67
 FOR RG 178 CABLE

SIZE B	DRAWING NO.	2FA1-NXSP-C10E1	REV A
	ITEM NO.	2FA1-NXSP-C10E1	
	PART NO.	2FA1-NXSP-C10E1	

THIRD ANGLE PROJ.	REFERENCE 2FA1-NXSP-C13E2	EAR# 13193
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ENGR.1 S. HOFFLER	ENGR.2 M. ZHANG	DATE 11-Dec-25
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SHEET NO. 2 OF 2	SCALE: 3.0:1.0
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