NOTES:

1. MATERIALS AND FINISHES (PLATING THICKNESS IN MICROMETERS):
   INNER CONDUCTOR - SPRING COPPER, AG5
   OUTER CONDUCTOR - BRASS, COPPER-TIN-ZINC3
   NUT - BRASS, COPPRT-TIN-ZINC3
   INSULATOR - PTFE
   O-RING - SILICONE RUBBER

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 6 GHz
   C. VSWR(RETURN LOSS): 1.1 MAX.
   D. PIM(dBc): -160 (2X43dBm) MAX.
   E. INSERTION LOSS:
   F. INSULATION RESISTANCE: 5000 M MAX.
   G. PROOF VOLTAGE: 2500 VOLTS
   H. CONTACT RESISTANCE:
      OUTER CONTACT: 0.4 m
      INNER CONTACT: 0.8 m

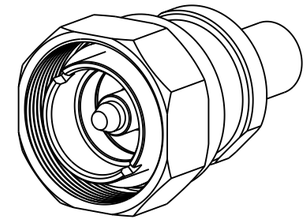
3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -40 C TO +85 C
   C. NUT TORQUE: 25Nm
   D. TENSILE FORCE(CABLE CONNECTOR): 400N
   E. TORSION (CABLE CONNECTOR): 2Nm

4. ENVIRONMENTAL:
   A. WHEATHER STANDARD: IEC 600068 40/085/21
   B. THERMAL SHOCK: IEC 60068-2-14-Na
   C. VIBRATION: IEC 60068-2-6-Fc
   D. SHOCK: IEC 60068-2-27
   E. WATERPROOF STANDARD: IP67

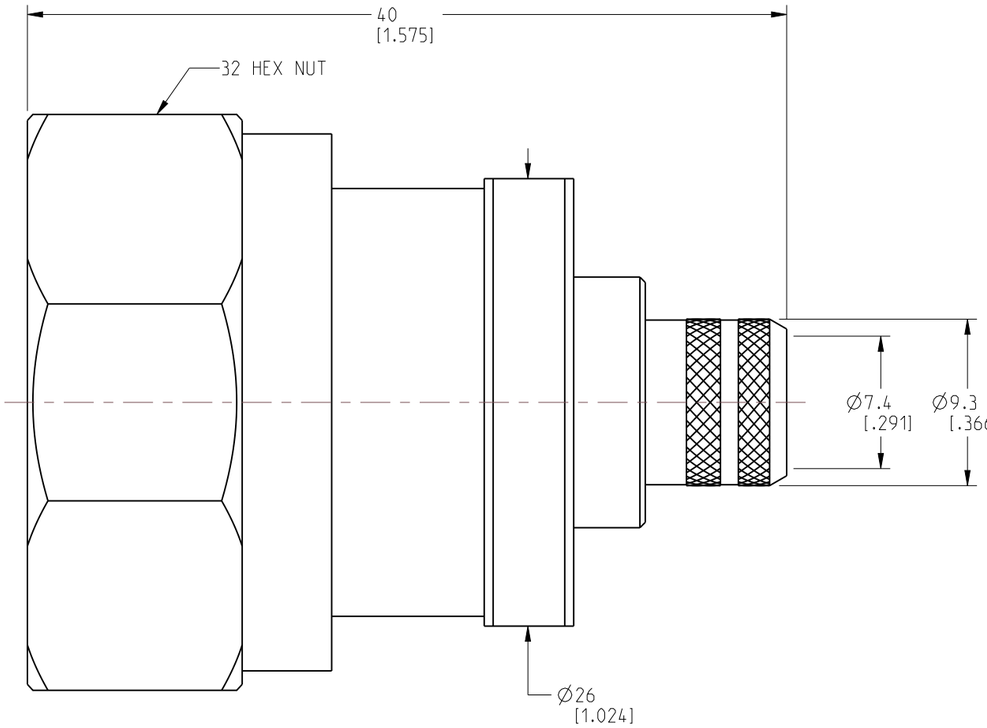
5. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: BAG TO BE MARKED
      "AMPHENOL, 272105, AND DATE CODE"

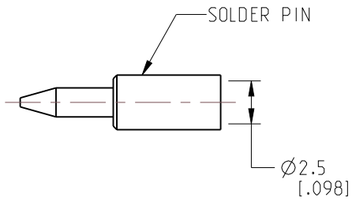
6. CRIMP TOOL SIZE: HEX 10.9+0.1

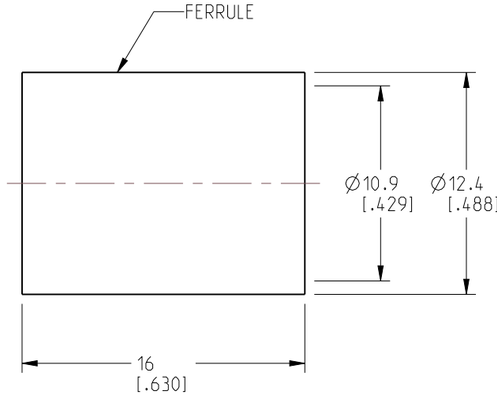
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	MODIFY PLATING TO SILVER	29-DEC-00	--	
B	MODIFY PLATING TO NEXCOTE, UPDATE DRAWING FORMAT	27-MAY-05	--	
C	REVISE MATING FACE TO 32 HEX NUT	27-JUL-08	--	
D	UPDATED PER THE LATEST SUPPLIER PRINT	15-DEC-11	--	KR
E	UPDATED DRAWING FORMAT	17-JUL-26	17979	SEH
F	NO CHANGES TO THIS SHEET	22-JUL-26	17994	SEH



SCALE 1.000







4	FERRULE	COPPER	NEXCOTE	1
3	CONTACT PIN	BRASS	GOLD	1
2	INSULATOR	PTFE	NATURAL	1
2	HOUSING	BRASS	NEXCOTE	1
1	BODY	BRASS	NEXCOTE	1
	DESCRIPTION	MATERIAL	FINISH	QTY

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

NOTICE: These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

THIRD ANGLE PROJ.

REFERENCE | EAR#

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]

ANGLES = ±1°

MATERIAL: SEE NOTES

ENGR.1: S. HOFFLER | ENGR.2 | DATE: 27-OCT-25

TITLE: 7/16M-RG393/U, 213/U, RG-5/U

SHEET NO. 3 OF 3 | SCALE: 3.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	272105	F
	ITEM NO. 272105	
	PART NO. 272105	