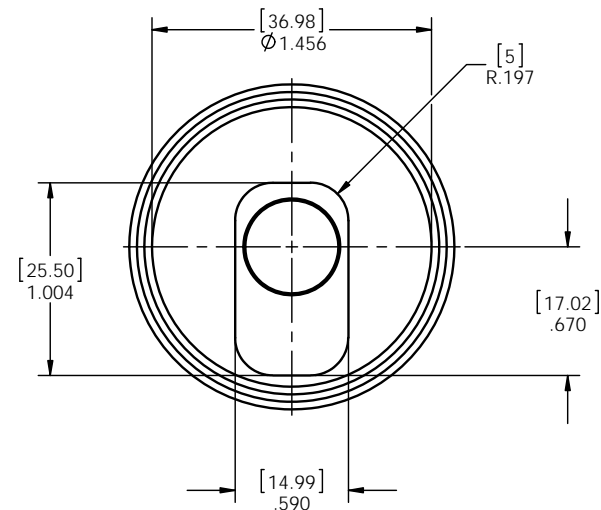
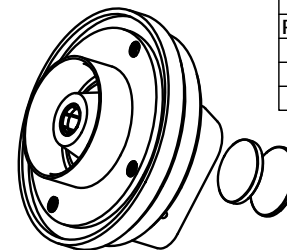
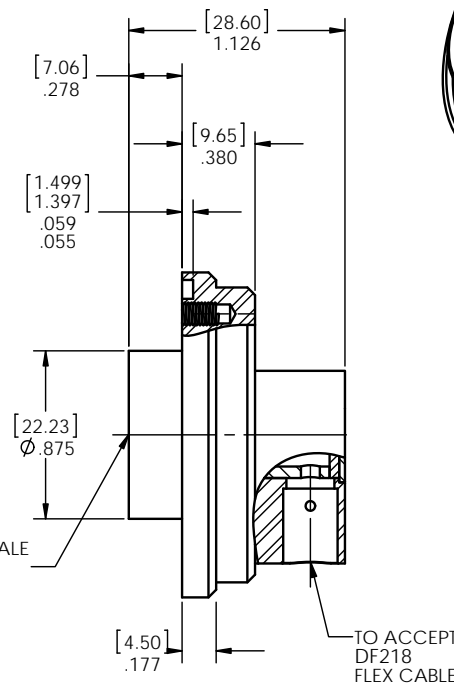


XMP™ FEMALE
INTERFACE

4X
M 3.0 X 0.5 Thread



REVISIONS			
REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	12/05/2013	YP

NOTE(S) :

1. REAR INSULATOR & END CAP TO BE PACKAGED & SHIPPED UNASSEMBLED.

MATERIAL(S) :

Body, & End Cap:
Brass Alloy per ASTM B-16
Center Conductor:
BeCu Alloy per ASTM B-196
Insulators:
PTFE Teflon per ASTM D-1710

ELECTRICAL(S) :

Impedance: 50 Ohms Nominal
Frequency Range: DC to 3 GHz
VSWR: 1.10 : 1 to 3 GHz
Insertion Loss: .05 dB to 3 GHz

MECHANICAL(S) :

Mating Characteristics:
Consult Factory
Force to Engage & Disengage:
Consult Factory
Connector Durability:
Consult Factory
Center Contact Retention:
Axial Force from Interface: 6 pounds min.
Axial Force from Rear End: 3 pounds min.

ENVIRONMENTAL(S) :

Temperature Range: -55°C to +165°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition B
Moisture Resistance:
MIL-STD-202, Method 106, Insulation resistance
at least 200 MegaOhms within 5 minutes after
removal from humidity.
Corrosion:
MIL-STD-202, Method 101, Test Condition B
Vibration:
MIL-STD-202, Method 204, Test Condition D
Shock:
MIL-STD-202, Method 213, Test Condition I

FINISH(ES) :

Body, Center Conductor & End Cap :
Silver plate per QQ-S-365, Type II, Grade A, .000200" min thickness
over Copper underplate per Mil-C-14550, Class 4, .000100" min thickness

APPLICABLE CARLISLE IT DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
-	-	-

NOTICE
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TOLERANCES AND NOTES

EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ± .015
FRACTION 1/32
1. MACHINE FINISH: $\sqrt{}$ RMS
2. BREAK ALL SHARP EDGES .005 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28
9. REMOVE FRAVED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

MATERIAL		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	CARLISLE		Interconnect Technologies	
DRAWN BY	HN	09.18.12		Cerritos, CA 90703	
CHECKED BY	-	-		TITLE	
TEST ENGR	-	-		XMP™ FEMALE HIGH POWER PUSH ON	
QUALITY	-	-		MITTER R/A TO DF218 FLEX CABLE	
DESIGN ENGR	HT	12.10.13		SCALE	
MFG. ENGR	-	-		2:1	
ECO APPRV	-	-		SUB-DIRECTORY/	
				OUTLINE/	
				SHEET 1 OF 1	
				REV.	
				C 30990	
				DRAWING NO.	
				HP701-0-2CC	