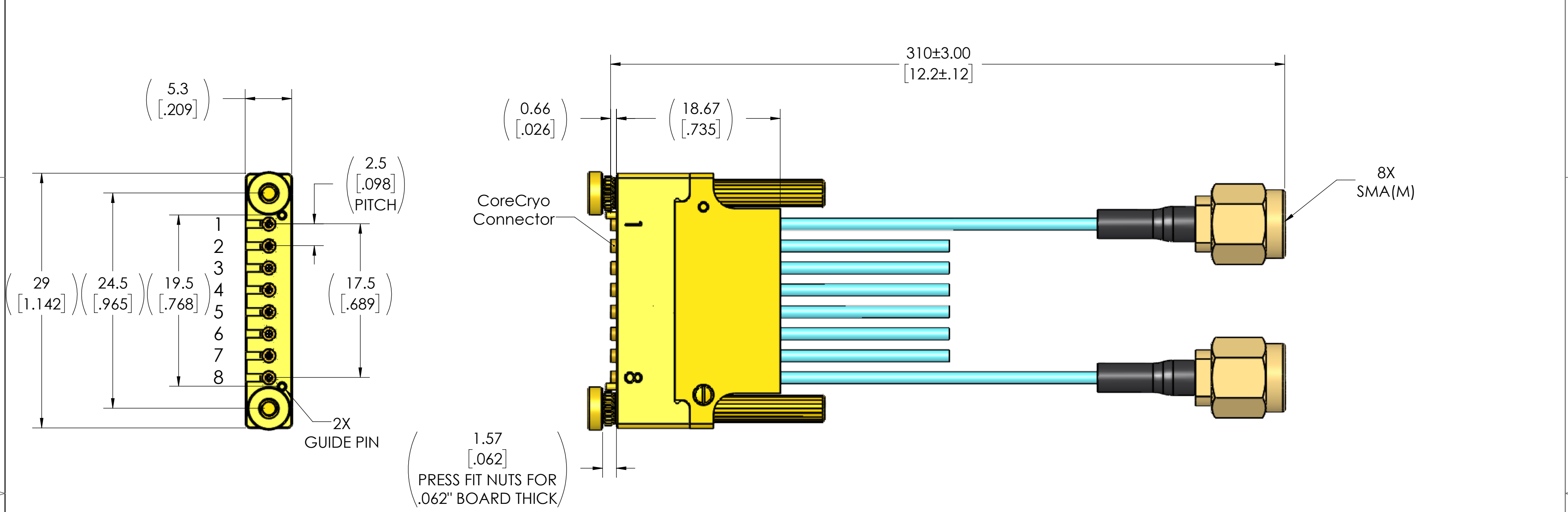


FREQUENCY	RETURN LOSS (dB Max.)	INSERTION LOSS (dB/Ft Max.)
DC TO 14 GHz	-17	-2.2
14 TO 20 GHz	-14	-3.0

REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
205736	A	INITIAL RELEASE	HTRAN	04.12.26



MATERIAL(S):
CoreHC2 connector: (Non-Magnetic)
 Contact, Front Shell, Rear Shell, Ground Slider & Solder Sleeve:
 BeCu Alloy, Gold over Copper Plating
 Spring:
 Stainless Steel SUS130M, Passivate
 Front Insulator:
 Rexolite 1422, PTFE, Peek
 Spring pin:
 Barrel: Phosphor Bronze, Gold over Copper Plating
 Plunger: BeCu Alloy, Gold over Copper Plating
 Spring: NAS 604PH, Gold over Copper Plating
 Tail Needle: BeCu Alloy, Gold over Copper Plating
Precision connector: (Non-Magnetic)
 (Refer to Specification ACDI TM14-0338-00)
HC2 Compliant Carrier: (Non-Magnetic)
 Carrier, Clamp Shell, Dowel Pin, Screw & Press Nut:
 BeCu Alloy, Gold over Copper Plating
 Cable Support: Silicone

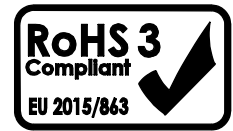
Cable: (Non-Magnetic)
 Conductor: Solid Silver Plated Copper Alloy
 Dielectric: Solid PTFE
 Shielding: Helically wrapped flat silver plated copper tape
 Shielding: Silver Plated Copper Alloy
 Jacket: FEP

ELECTRICAL(S):
 Impedance: 50 Ohms Nominal
 Frequency Range: DC to 20 GHz
 VSWR: See Table
 Insertion Loss: See Table
 Working Voltage: 170 Vrms max @ Sea Level
 DWV: 325 Vrms max @ Sea Level
 Insulation Resistance: 5000 MegOhms min
 Spring Pin:
 Current: 1A Max.
 Contact Resistance: 100mOhm Max.
 Phase Matched: +/-2pS (PAIR)

MECHANICAL(S):
 Mating Characteristics:
 SMA Interface per MIL-STD 348
 CoreHC2 Interface per Amphenol CDI
 Force to Engage:
 CoreHC2 (Individual): .85 Lbs Typ.
 SMA: 2in-lbs max
 Force to Disengage:
 CoreHC2 (Individual): .N/A
 SMA: 2in-lbs max
 Connector Durability:
 CoreHC2: 1,000 Cycles
 SMA: 500 Cycles
 Permeability: Less than 1.05 mu.

ENVIROMENTAL(S):
 Temperature Range: -65°C to +125°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.
 Vibration:
 MIL-STD-202, Method 204, Test Condition D
 Shock:
 MIL-STD-202, Method 213, Test Condition I

DIMENSIONS ARE IN MILLIMETERS [INCHES] ± TOLERANCES UNLESS OTHERWISE NOTED				MATERIAL		SPECIFICATION		PROCUREMENT	
X ± 0.3mm [.012"] XX ± 0.15mm [.006"] XXX ± 0.050mm [.002"] XXXX ± 0.010mm [.0004"] ANGLE ± 0.5°				APPROVAL	INITIALS	DATE	Amphenol		12900 Alondra Blvd. Cerritos, CA 90703
	DRAWN BY	HT	04.12.26	TITLE		CoreCryo 047 NM Assy, 1xRow HC STRIPLINE 8CH to SMA(M)			
	CHECKED BY			SCALE		3:1 SUB-DIRECTORY/			
	TEST ENG			APPLICATION		OUTLINE SHEET 1 OF 1			
	QUALITY			DESIGN ENG	HT	04.12.26	SIZE	CAGE CODE	DRAWING NO.
	MFG ENG			ECO APPRV	SEE ECO	04.12.26	C	30990	TM4CSSS28R2MS031C
									REV. A



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