MATERIAL(S):

Housing body:
Brass Alloy, UNS No. C36000 PER ASTM B-16,
Top body:
6061-T651 Aluminum Alloy

Core HC2 connector:
Spring Pin:
BeCu Alloy/Brass Alloy C3604B/ Phosphor Bronze
Ground Slider & Nut:
Brass Alloy C3604B
Insulator: TPX / PTFE
Dielectric: Ultem/ TPX
Spring: Music Wire
Dowel Pin, Screw & Clip: Stainless Steel.

Cable: UF-77-078-067-020

ELECTRICAL(S):

Impedance: 50 Ohms Nominal
Frequency Range: DC to 40 GHz
VSWR: 1.25:1 DC to 26 GHz
1.40:1 26 to 40 GHz
Insertion Loss:
1.60 dB DC to 26 GHz
2.04 dB 26 to 40 GHz
Working Voltage: 335 Vrms max @ Sea Level
Test Voltage: 500 Vrms
Insulation Resistance: 5000 MegOhms min.
Contact Current: 1A DC max.
Contact Resistance:
Center Contact: 100 m Ω
Phase: Matched In Pairs @ 2.0 pS.

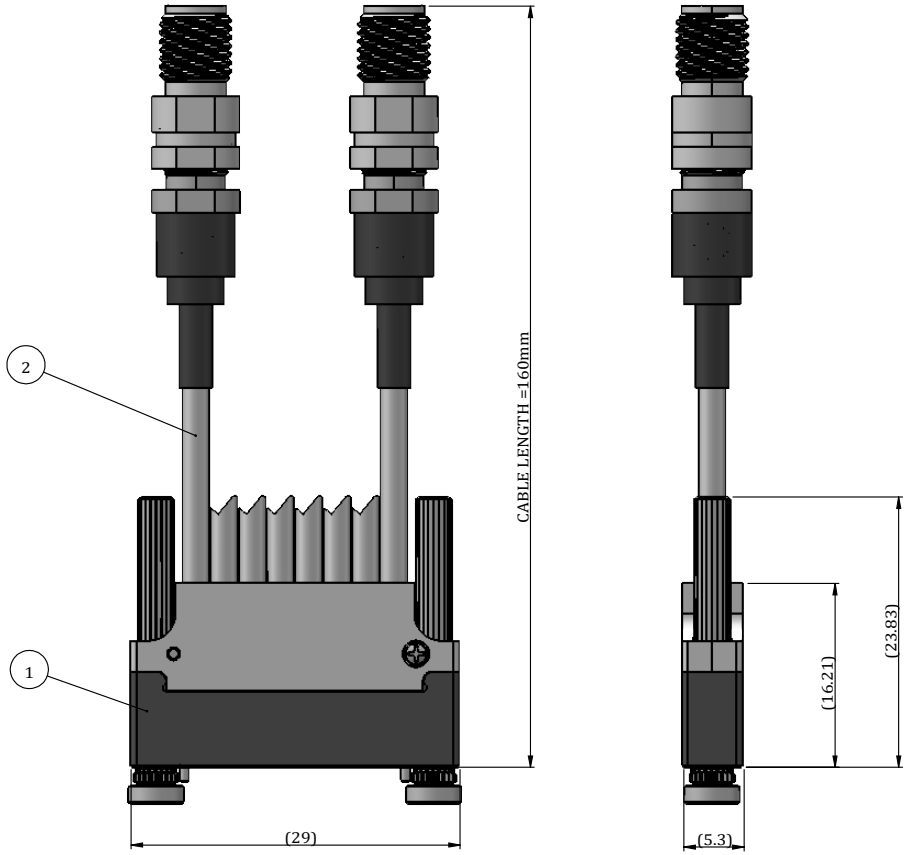
MECHANICAL(S):

Mating Characteristics:
2.92 Interface per MIL-STD-348
CORE HC2 Interface per CarlisleIT
Force to Engage:
2.92: 2 In-lbs max
CoreHC2 (Individual): .5 Lbs Typ.
Connector Durability:
2.92: 500 Cycles @ 12 cycles/min. max
CoreHC2: 20,000 Cycles @ 12 cycles/min. max
Permeability: Less than 2.0 mu.
Coupling Proof Torque:
2.92: 15 in-lb

ENVIRONMENTAL(S):

Temperature Range: -65°C to +150°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition F
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 C
Vibration:
MIL-STD-202, Method 204, Test Condition A, except 5g Peak
Shock:
MIL-STD-202, Method 213, Test Condition I, except 10g Peak

REV.	REGION	DESCRIPTION	DATE	BY
A		PRELIMINARY RELEASED	19.Feb.20	Falcon



NOTE(S):
1. NUTS TO BE PACKED AND SHIPPED UN-ASSEMBLED WITH FULLY ASSEMBLED CABLE ASSEMBLY.
2. NUTS TO BE PRESS FIT INTO PCB ON CUSTOMER SIDE .
3. CUSTOMER NEED TO USE THUMB SCREW TO LOCK CONNECTOR WITH PCB TIGHTLY .
4. NOMINAL TOLERANCE REFER TO ISO2768-F.
5. CABLE LENGTH TOLERANCE REFER TO ISO2768-V, AND TOLERANCE VALUE MULTIPIED BY 2.

ITEM	PART NUMBER	DESCRIPTION	MATERIAL	QTY
2	TM7S-H2S-9FS-016	CoreHC 2.5mm TO 2.92(F) ON .079 CABLE , 16 CM	N/A	8
1	TM7S-SH28R	METALLIC HOUSING BUCKET	N/A	1

ISO2768-V (mm)					
6~30	30-120	120~400	400~1K	1K~2K	>2K
±1	±1.5	±2.5	±4	±6	±8

ISO2768-F (mm)					
0.5~3	3~6	6~30	30~120	120~400	400~1000
±0.05	±0.05	±0.1	±0.1	±0.2	±0.3

☆ KEY DIMENSION
NEED 100% INSPECTION
(XX) REF. DIMENSION
FOR REF. ONLY

DRAWN: Falcon
CHECKED:
APPROVED:

CARLISLE INTERCONNECT TECHNOLOGIES

Dongguan City,Guangdong
P.R. China 523533

MATERIAL:

PROJECT NAME:
CoreHC 079 Assy, 1xRow HC2
8CH to 2.92(F), 16cm,Metallic Housing

PART NUMBER:
TM7S-SH28S-9FS-016

SIZE A4

PART NAME:
FINISHED GOODS ASSY

REVISION: A

DATA: 19.Feb.20

SCALE 3:2

DO NOT SCALE DRAWING

SHEET 1 OF 1

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