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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: 16507086-04

ELECTRICAL(S) :

Impedance: 50 Ohms Nominal
Frequency Range: DC to 26 GHz
VSWR: 1.25:1 DC to 26 GHz
Insertion Loss:
1.60 dB DC to 26 GHz
Phase: Matched In Pairs @ 2.0 pS.

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

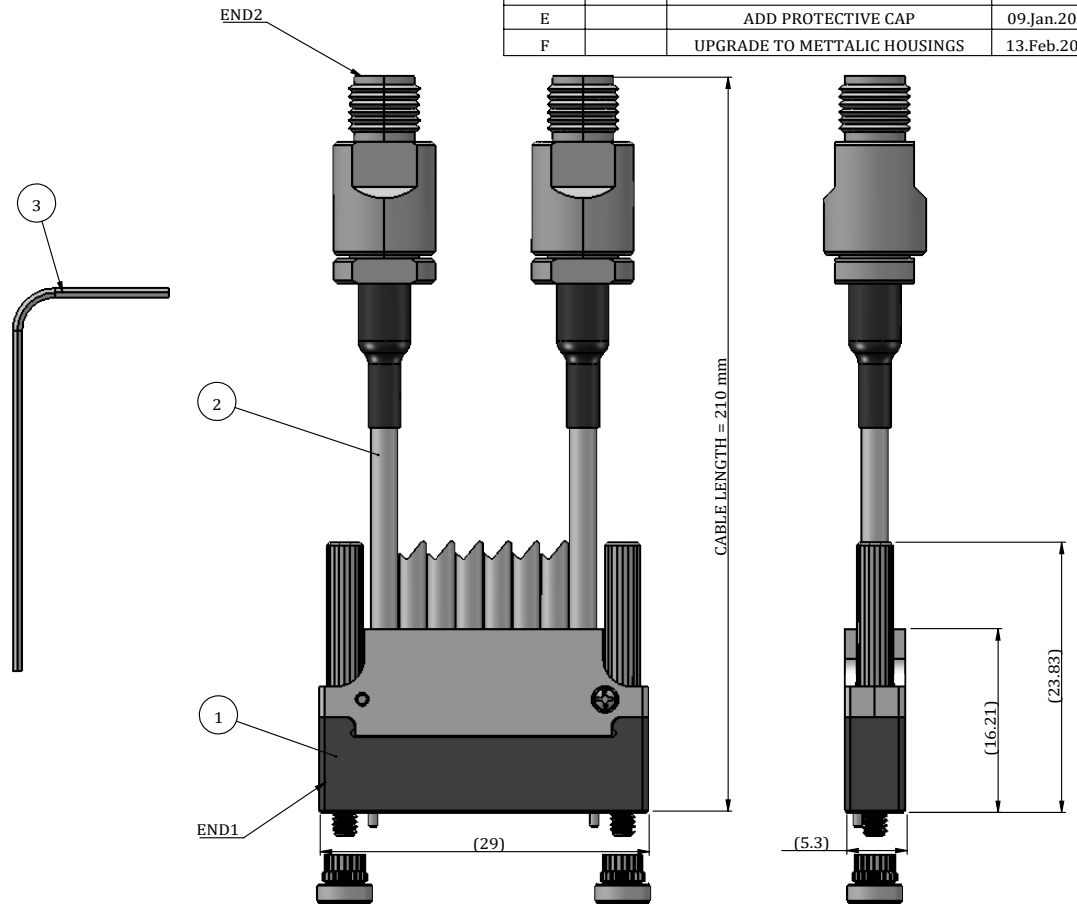
MECHANICAL(S) :

Mating Characteristics:
SMA Interface per MIL-STD-348
CORE HC2 Interface per CarlisleIT
Force to Engage:
SMA: 2 In-lbs max
CoreHC2 (Individual): .5 Lbs Typ.
Connector Durability:
SMA: 500 Cycles @ 12 cycles/min. max
CoreHC2: 20,000 Cycles @ 12 cycles/min. max
Permeability: Less than 2.0 mu.
Coupling Proof Torque:
SMA: 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	02.Feb.20	Falcon
B		CABLE TYPE UPDATE	24.May.19	Falcon
C		ADD HEX WRENCH	01.Aug.19	Falcon
D		HOUSING TO INCLUDE C6635-4	13.Aug.19	Falcon
E		ADD PROTECTIVE CAP	09.Jan.20	Tenny
F		UPGRADE TO METTALIC HOUSINGS	13.Feb.20	Falcon

**NOTE(S):**

- 1 , NUTS AND HEX WRENCH 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.
- 6 , THIS CABLE ASSEMBLY WILL USE STRANDED CENTER CONDUCTOR, AND BLACK FLEXIBLE PVC JACKET.
- 7 , CAPS PROVIDED ON END 1 TM12-0108-00 AND END 2 TM12-0102-00 NOT SHOWN.
- 8 , PEM NUTS PROVIDED FOR MOUNTING TO PCB ARE C6635-4 FOR 0.125"/3.17mm PCB THICKNESS.

ITEM	PART NUMBER	DESCRIPTION	MATERIAL	QTY
5	TM12-0102-00	PROTECTIVE CAP	N/A	8
4	TM12-0108-00	PROTECTIVE CAP CORE HC 8 POS STRAIGHT	N/A	1
3	TM15-0067-00	HEX WRENCH FOR HC2 , 0.05" , 1.27mm	N/A	1
2	TM7S2-H2S-2FS-021	CoreHC 2.5mm TO SMA(F) ON .078 CABLE , 21CM	N/A	8
1	TM7S-SH2BR-LN	METALLIC HOUSING BUCKET	N/A	1

☆ KEY DIMENSION NEED 100% INSPECTION (XX) REF. DIMENSION FOR REF. ONLY	DRAWN: Falcon	Dongguan City,Guangdong P.R. China 523533
	CHECKED:	
	APPROVED:	
INFORMATION CONTAINED ON THIS DRAWING IS CONFIDENTIAL AND MAY ALSO CONTAIN PROPRIETARY CARLISLE/CUSTOMER INFORMATION. DRAWING CONTENT IS ONLY INTENDE FOR USE OF THE ABOVE CUSTOMER IF YOU ARE NOT THE INTENDED RECIPIENT OR AUTHORIZED EMPLOYEE OF ABOVE COMPANY NAME, YOU ARE HEREBY NOTIFIED ANY USE, DUPLICATION, RECONSTRUCTION, OR DISTRIBUTION OF DRAWING INFORMATION IS STRICTLY PROHIBITTED.		MATERIAL: PROJECT NAME: PART NUMBER: TM40-0158-00 CoreHC 078 Assy, 1xRow HC2 8CH to SMA(F), 21cm, Metallic Housing
SIZE A4	PART NAME: FINISHED GOODS ASSY	REVISION: F DATA: 13.Feb.19
SCALE 3:2	DO NOT SCALE DRAWING	SHEET 1 OF 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

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