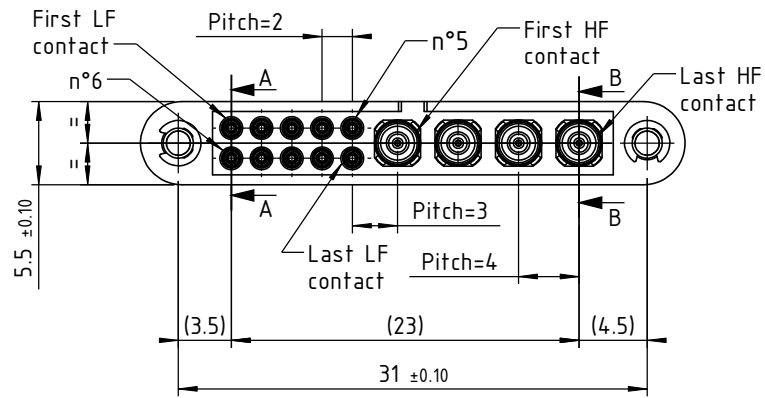


CUT A-A

CUT B-B



**TECHNICAL FEATURES for 30 HF CONTACTS**

**MATERIAL**

- Body: Copper alloy / Ni + Au 0.5µ
  - Inner contact: Copper alloy / Ni + Au 0.75µ
  - Insulator: PTFE
  - Retaining clip: Beryllium alloy / Ni 3µ
- Do not comply with radiation**

**MECHANICAL**

- Mechanical operations: 2500 cycles min.
- Insertion force: From 0.60 to 5N per contact
- Withdrawal force: From 0.50 to 2N per contact
- Secure overlapping: 1.30 mm
- Contact replacement in insulator: 30 cycles

**ELECTRICAL**

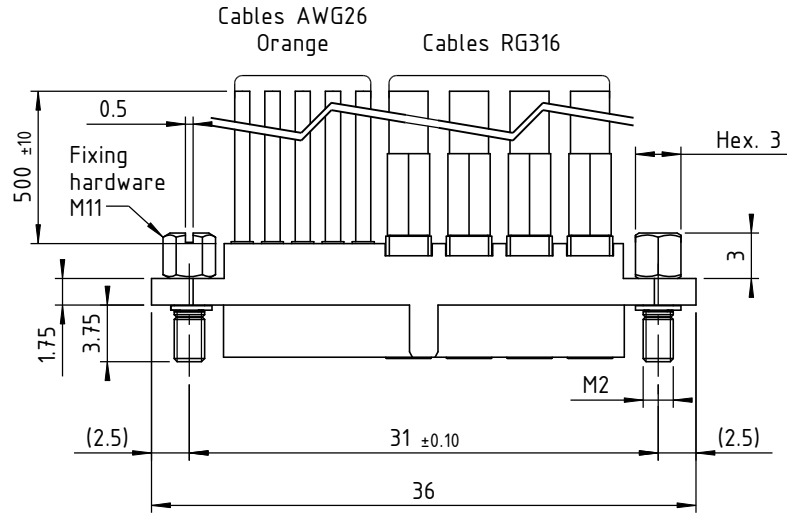
- Impedance: 50Ω
- Insulator resistance: 10<sup>6</sup> mΩ / 250V (RMS)
- SWR (Stationary Wave Rate): < 1.05 + 0.04 F (GHz)
- Frequency range: 6 GHz (depending on cable)
- Insulation between 2 contacts: -100dB

**WIRES SPECIFICATION**

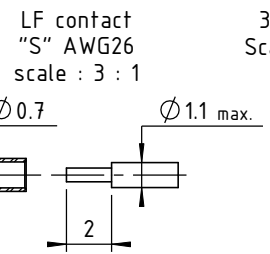
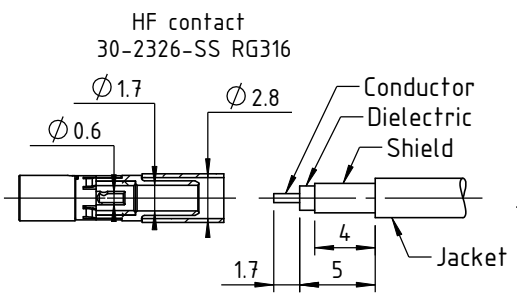
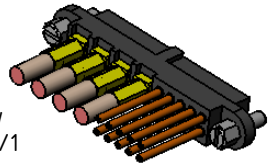
MIL-C-17  
RG316  
Standing : 7x0.17  
Finished Diameter: 2.95 mm max. (0.102 inch)  
Conductor : Silver plated copper cover soft steel  
Insulation : Extruded FEP  
Temperature Rating : -90° to 180°C  
Voltage Rating : 900 V  
Frequency range : 3 GHz maxi.

**WIRES SPECIFICATION**

MIL-W-22759/11  
AWG26 Orange  
Standing : 19x38  
Finished Diameter : 1.1 mm max. (0.04 inch)  
Conductor : Silver coated copper  
Insulation : Extruded PTFE  
Temperature Rating : 200°C  
Voltage Rating : 600 V



3D view Scale : 1/1



**TECHNICALS FEATURES**

**MATERIAL**

**INSULATOR** : Special PPS (Polyphenylene sulphide Fiberglass filled thermoplastic) UL 94-V0

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

**CRIMPING SIGNAL CONTACTS :**

- Female :**
- Body: Copper alloy / Ni + Au 0.2µ
  - Socket body: beryllium copper / Ni + Au 1.25µ

**FIXING HARDWARE :**

- Jackscrow : Stainless steel

**ELECTRICAL for LF Contacts**

- All contacts: 3 A max. @ 25°C, 2.2 A max. @ 85°C, Tested at 800 V DC
- Working voltage (sea level): Tested at 1200 V DC
- Proof voltage: max. 10 mΩ
- Contact resistance (initially): 1000 MΩ min
- Insulation resistance:

**MECHANICAL for LF Contacts**

- Mechanical operations: 2500 cycles min.
- Contact insertion and withdrawal force: 2 N max. / 0.2 N min. per contact
- Contact retention in insulator: 10 N min.
- Contact replacement in insulator: 3 cycles

**ENVIRONMENTAL**

- Temperature range: From -60°C to +260°C
- Vibration severity: 0.75mm, 10 g RMS 6 hours long random with superimposed sinusoid. No intermittencies measured when using an H.S.L.I. (High Speed Logic Interrupt) detector with a trip threshold of 2 ns.
- Shock severity: 100g for 6 ms
- Solvent resistance: HcFc 141 bMGX (ATOHEM) solvent
- Salt spray test: 96 hrs
- Humidity test: 56 days @ 90% humidity

Tooling recommended	
Designation	Part Number
HF series 30 contacts removal	12368
LF contacts insertion & Withdrawal Tool	C12935
Daniels HX3 Tool (HF contacts)	C12238 (Hex 2.8)
Daniels MH800 Tool (LF contacts)	MH800
Positionner LF contact	C12929 (setting 6)
Positionner HF inner contact	K1131 (setting 3&4)

Crimping referee to cable instructions ICLF01 & IC30HF02  
Marking referee page 12-13 of CMM catalogue

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	Iss	Date	Drawn	Checked	Approved
Item : Female harness 222S10M11-0004-2326SS Lg 500mm, Connector CMM220 F crimp, 10 LF contacts, 4 HF contacts 30-2326-SS, M11					

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**Catalogue Reference : HB10002D3A-AAA500**

	General tolerance	±0.2	Scale	2:1	Page	1/1