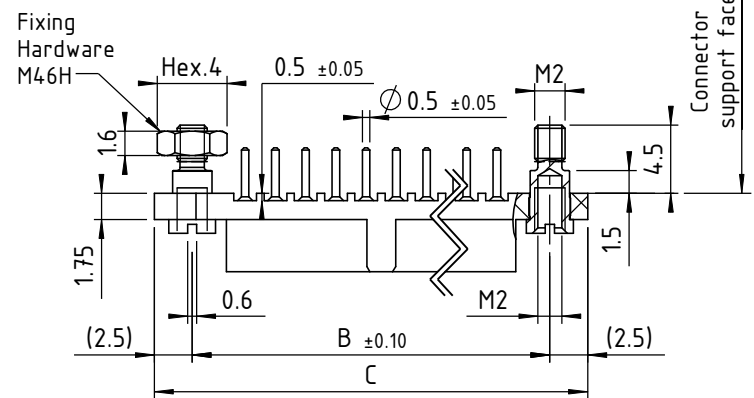
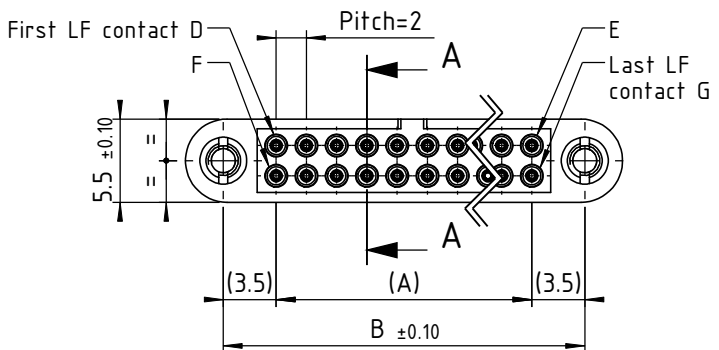
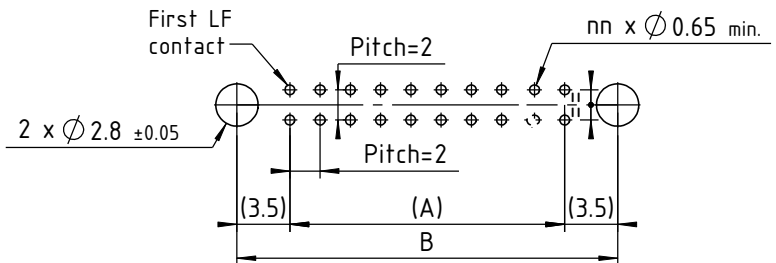


CUT A-A



Recommended PCB layout :



Minimum PCB thickness for fixing M46H: 1.5mm

TECHNICALS FEATURES

MATERIAL

INSULATOR : Special PPS (Polyphenylene Sulfide Fibreglass filled thermoplastic) UL 94-V0

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

SIGNAL CONTACTS for PCB:

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

FIXING HARDWARE :

- **Jackscrew** : Stainless steel

ELECTRICAL for LF Contacts

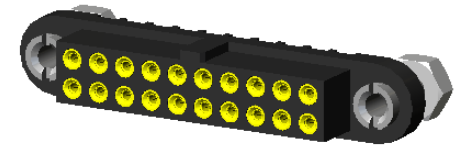
- **All contacts** : 3 A max. @ 25°C
2.2 A max. @ 85°C
- **Working voltage (sea level)** : Tested at 800 V DC
- **Proof voltage** : Tested at 1200 V DC
- **Contact resistance (initially)** : max. 10 mΩ
- **Insulation resistance** : 1000 MΩ min

MECHANICAL for LF Contacts

- **Mechanical operations** : 500 cycles min. up to 2500.
- **Contact insertion and withdrawal force** : 2 N max. / 0.2 N min.

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 (ATOCHEM) solvent
- **Salt spray test** : 96 hrs
- **Humidity test** : 56 days @ 90% humidity



Marking as referenced in the CMM catalogue pages 12 & 13

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	Iss	Date	Drawn	Checked	Approved
Item : Connector CMM220 female straight on PCB, nn LF contacts, M46H					
Folder : X:\Méthodes\Plans clients\Plans clients 2D\10 - CMM220\Connecteurs femelles\222Y\222YnnM46H_cl					

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Catalogue Reference : 222YnnM46H

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