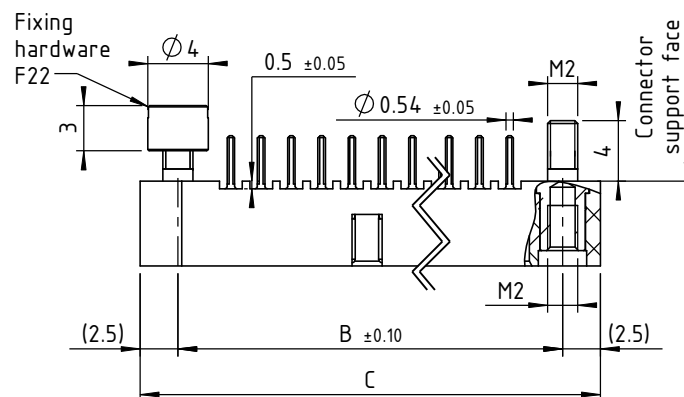
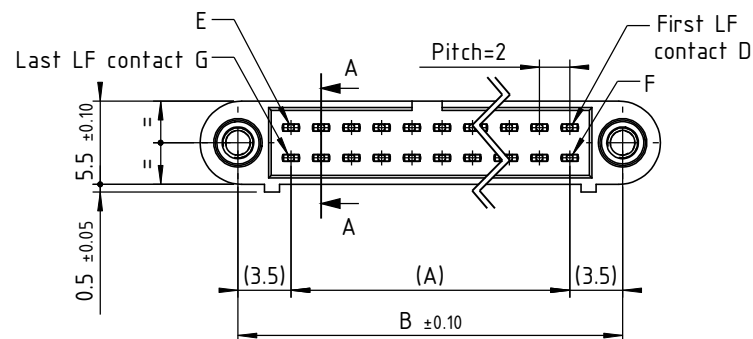
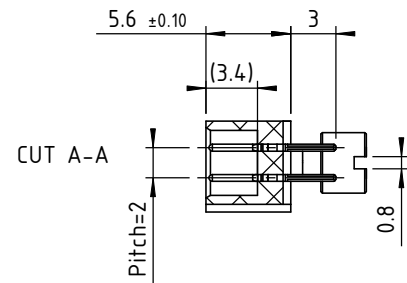
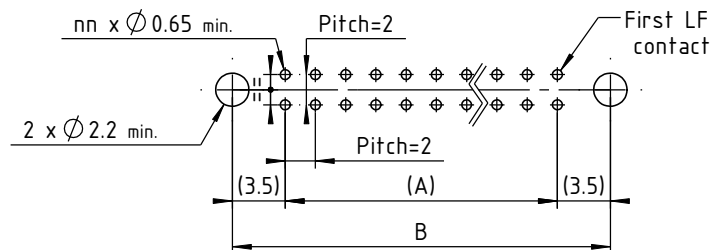




Recommended PCB layout :



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:

Male :

- Contact area Copper alloy / Ni + Au 1μ
- Contact tail Copper alloy / Ni + Au flash 0.1μ

FIXING HARDWARE :

- Jackscrew : Stainless steel

ELECTRICAL for LF Contacts

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

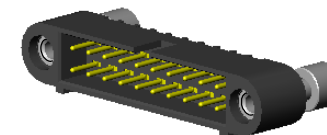
MECHANICAL for LF Contacts

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

ENVIRONMENTAL

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

3D view
scale : 1.5:1



Marking as referenced in the CMM catalogue pages 12 & 13



www.nicomatic.com

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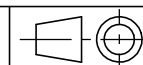
Tools recommended

Screwdriver for standard nut C14743

Folder : X:\Méthodes\Plans clients\Plans clients 2D\10 - CMM220\Connecteurs mâles\221Y\221YnnF22_cl

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Catalogue Reference : **221YnnF22**



General tolerance ± 0.2

Scale 2:1

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