

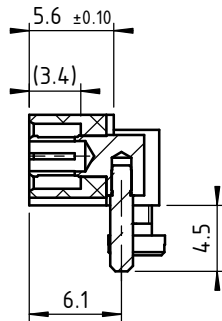
4

3

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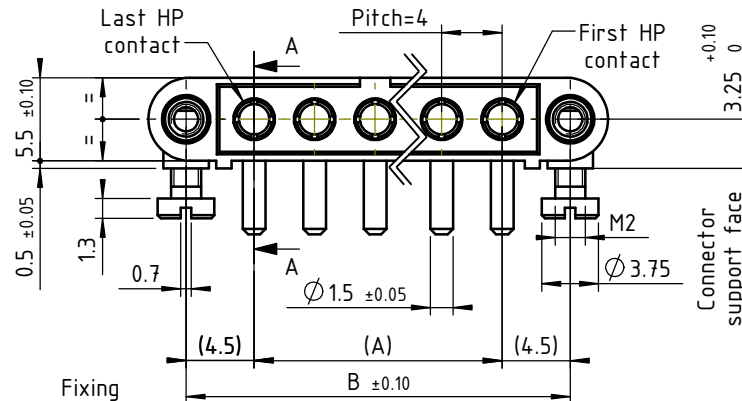
1

CUT A-A

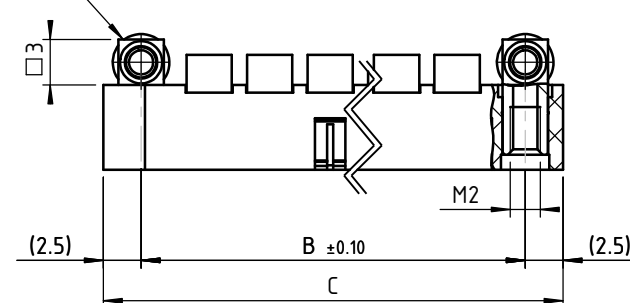
**CMM Series 220 MALE**

HP contacts number zz	Distance between axes		Length in mm
	A	B	
02	4	13	18
03	8	17	22
04	12	21	26
05	16	25	30
06	20	29	34
07	24	33	38
08	28	37	42
09	32	41	46
10	36	45	50
11	40	49	54
12	44	53	58
13	48	57	62
14	52	61	66
15	56	65	70

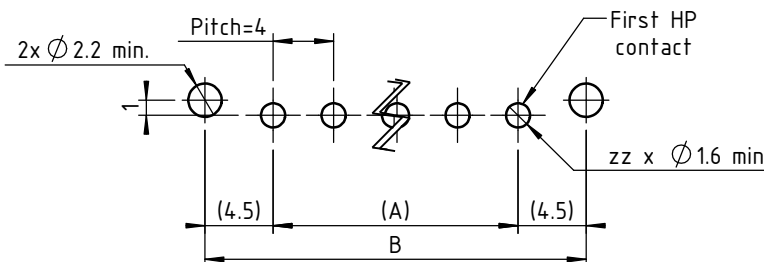
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Fixing hardware F23



Recommended PCB layout:

**TECHNICALS FEATURES****MATERIALS**

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

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

**FIXING HARDWARE :**

- Jackscrew : Stainless steel

**TECHNICAL FEATURES for 30 HP CONTACTS****MATERIAL**

- Body and contact tail : Copper alloy / Ni + Au 0.5µ

**MECHANICAL**

- Endurance : 500 cycles min up to 2500.
- Insertion force : From 0.60 to 5N per contact
- Extraction force : From 0.50 to 2N per contact
- Secure overlapping : 1.30 mm

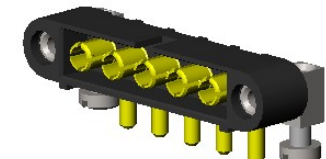
**ELECTRICAL**

- Intensity : 20 A
- Contact resistance : max. 6 mΩ
- Maximum voltage (sea level) : 1000V (RMS)
- Operating voltage (sea level) : 180 V AC/500 mA

**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

3D view  
scale : 1.5:1



Marking as referenced in NICOMATIC catalogue page 12-13



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3	27/07/16	C.Ga.		C.B.
Iss	Date	Drawn	Checked	Approved

Item : Connector CMM220 male 90° on PCB,  
zz HP contacts 30-3400-45, F23

Folder : X:\Méthodes\Plans clients\Plans clients 2D\10 - CMM220\Connecteurs mâles\221D\221D00F23-00zz-340045\_cl

Catalogue  
Reference :

221D00F23-00zz-340045



General tolerance ±0.2

Scale 2:1  
Page 1/1

