

D

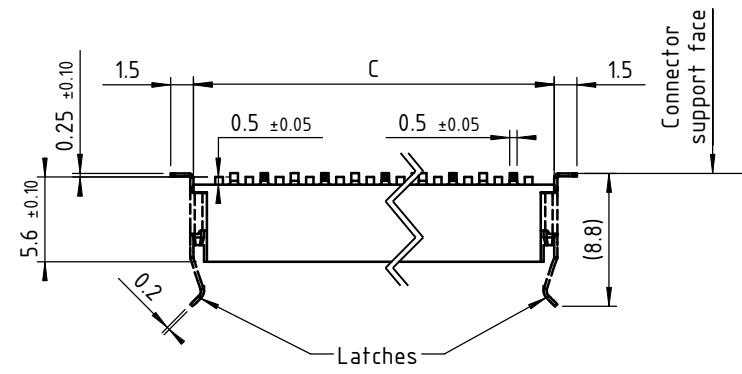
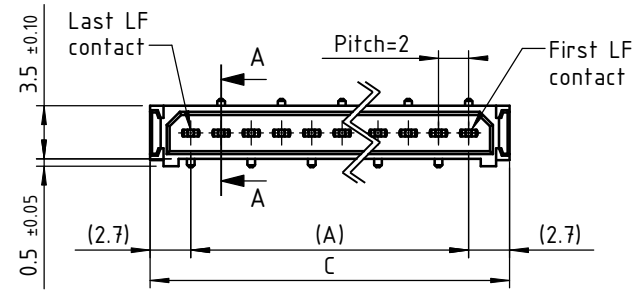
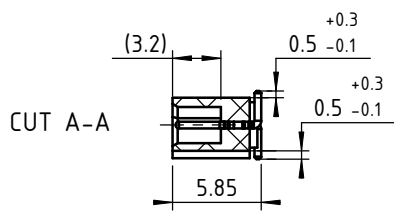
C

B

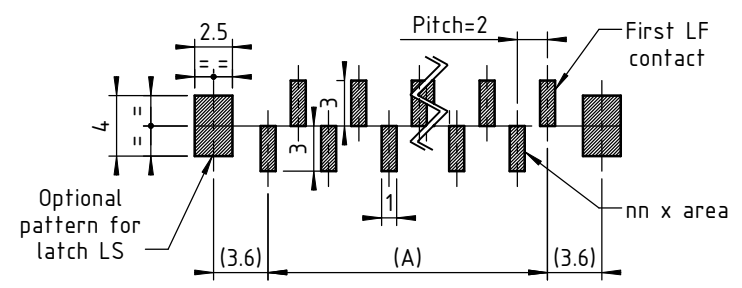
A

4

4



Recommended PCB layout:



### TECHNICALS FEATURES

#### MATERIAL

INSULATOR : Special PPS (Polyphenylene Sulfide Fiberglass 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 :

- Latch (optional) : Beryllium alloy / Ni 3µ

#### ELECTRICAL for LF Contacts

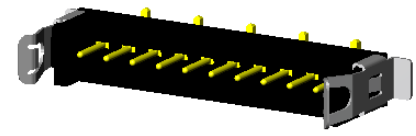
- All contacts : 3 A max. @ 25°C  
2.2 A max. @ 85°C
- Working voltage (sea level) : Tested at 800 V DC
- Proof voltage : Tested at 1200 V DC
- Contact resistance (initially) : max. 10 mΩ
- Insulation resistance : 1000 MΩ min

#### 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



LS : latches fitted  
Leave blank : no latches

### CONNECTOR SERIE 100 MALE

LF contact number nn	Length without Latches in mm	
	A	C
2	2	7.4
3	4	9.4
4	6	11.4
5	8	13.4
6	10	15.4
7	12	17.4
8	14	19.4
9	16	21.4
10	18	23.4
11	20	25.4
12	22	27.4
13	24	29.4
14	26	31.4
15	28	33.4
16	30	35.4
17	32	37.4
18	34	39.4
19	36	41.4
20	38	43.4
21	40	45.4
22	42	47.4
23	44	49.4
24	46	51.4
25	48	53.4

Marking as referenced in the CMM catalogue pages 12 & 13

 www.nicomatic.com Mail : nicomatic@nicomatic.fr Tel : +33 (0)4.50.36.13.85	2	15/11/10	N.P.	A.V.	E.M.
	Iss	Date	Drawn	Checked	Approved
Item : Connector CMM100 male straight SMT, nn LF contacts, optional latch LS					
Folder : X:\Méthodes\Plans clients\Plans clients 2D\07 - CMM100\Connecteurs Mâles\101T\101Tnn(LS)_cl					

Tools recommended	
Latch Separation tool	P/N C14790

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Catalogue Reference : 101Tnn(LS)

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