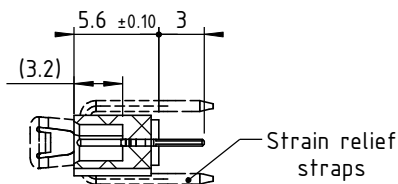


D

C

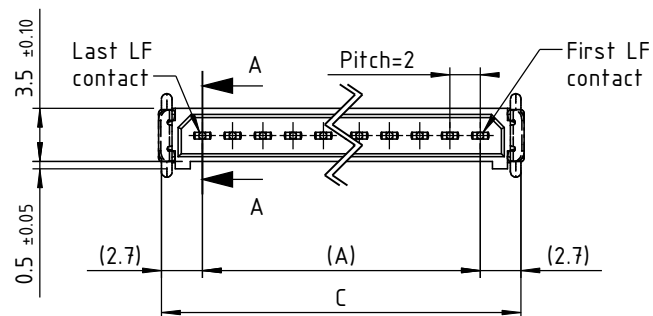
B

A



CUT A-A

Strain relief straps



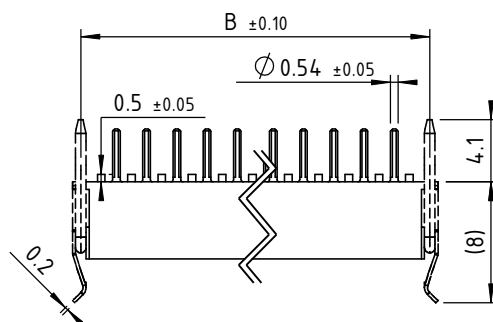
L : latches fitted

Leave blank : no latches

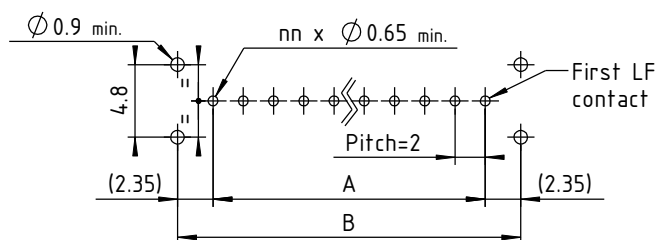
The strain relief straps are only sold separately.
They are not delivered mounted on connectors.

CONNECTOR SERIE 100 MALE

LF contact number nn	Length without Latches in mm		
	A	B	C
2	2	6.7	7.4
3	4	8.7	9.4
4	6	10.7	11.4
5	8	12.7	13.4
6	10	14.7	15.4
7	12	16.7	17.4
8	14	18.7	19.4
9	16	20.7	21.4
10	18	22.7	23.4
11	20	24.7	25.4
12	22	26.7	27.4
13	24	28.7	29.4
14	26	30.7	31.4
15	28	32.7	33.4
16	30	34.7	35.4
17	32	36.7	37.4
18	34	38.7	39.4
19	36	40.7	41.4
20	38	42.7	43.4
21	40	44.7	45.4
22	42	46.7	47.4
23	44	48.7	49.4
24	46	50.7	51.4
25	48	52.7	53.4



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

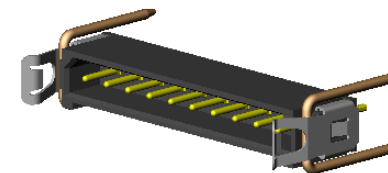
- All contacts : 3 A max. @ 25°C
2.2 A max. @ 85°C
- Working voltage (sea level) : Tested at 800 V DC
- Proof voltage : Tested at 1200 V DC
- Contact resistance (initially) : max. 10 mΩ
- Insulation resistance : 1000 MΩ min

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

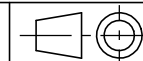


Marking as referenced in the CMM catalogue pages 12 & 13

 www.nicomatic.com Mail : nicomatic@nicomatic.fr Tel : +33 (0)4.50.36.13.85	2	09/12/08	H.L.	E.M.	D.Z.
	Iss	Date	Drawn	Checked	Approved
Item : Connector CMM100 male straight on PCB, nn pts, latch L in option					
Folder : X:\Méthodes\Plans clients\Plans clients 2D\07 - CMM100\Connecteurs Mâles\101Y\101Ynn(L)_d					

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Catalogue Reference : 101Ynn(L)



General tolerance ±0.2

Scale 2:1

Page 1/1

D

A4