



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

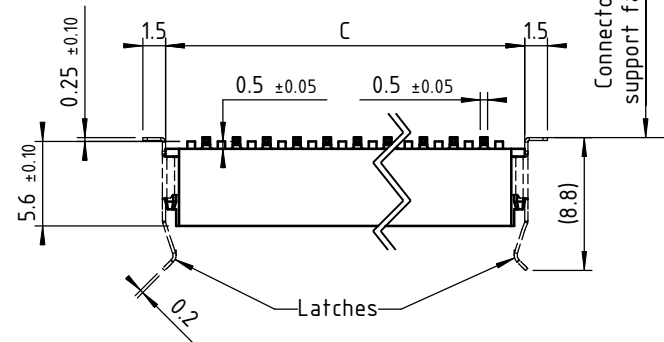
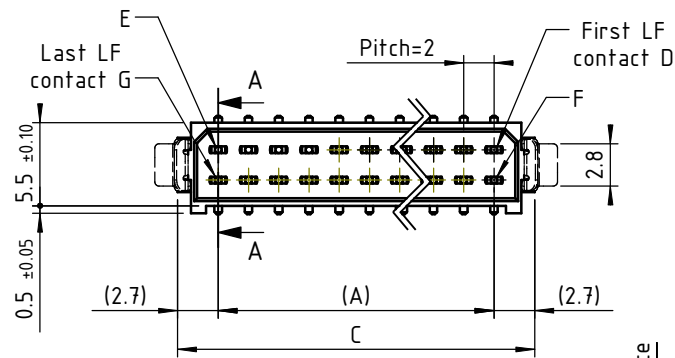
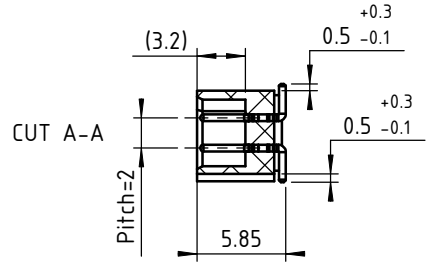
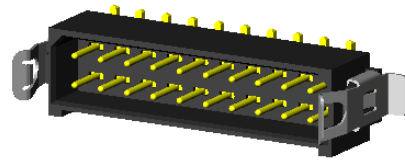
- All contacts : 3 A max. @ 25°C
2.2 A max. @ 85°C
- Working voltage (sea level) : Tested at 800 V DC
- Proof voltage : Tested at 1200 V DC
- Contact resistance (initially) : max. 10 mΩ
- Insulation resistance : 1000 MΩ min

MECHANICAL for LF Contacts

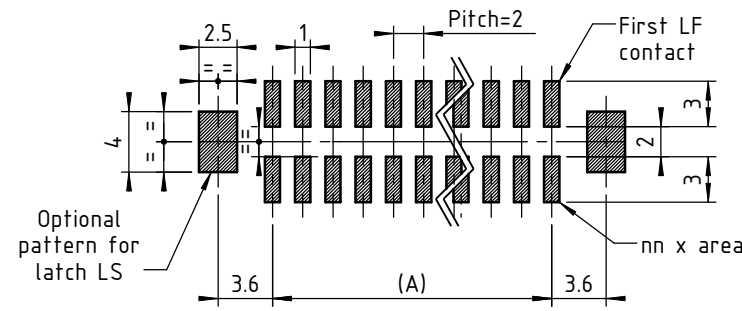
- Mechanical operations : 500 cycles min. up to 2500.
- Contact insertion and withdrawal force : 2 N max. / 0.2 N min.

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



Recommended PCB layout :



LS : latches fitted
Leave blank : no latches

CONNECTOR SERIE 200 MALE

LF contact number	Length without Latches in mm		Signal contacts reference mark number			
	A	C	D	E	F	G
04	2	7.4	1	2	3	4
06	4	9.4	1	3	4	6
08	6	11.4	1	4	5	8
10	8	13.4	1	5	6	10
12	10	15.4	1	6	7	12
14	12	17.4	1	7	8	14
16	14	19.4	1	8	9	16
18	16	21.4	1	9	10	18
20	18	23.4	1	10	11	20
22	20	25.4	1	11	12	22
24	22	27.4	1	12	13	24
26	24	29.4	1	13	14	26
28	26	31.4	1	14	15	28
30	28	33.4	1	15	16	30
32	30	35.4	1	16	17	32
34	32	37.4	1	17	18	34
36	34	39.4	1	18	19	36
38	36	41.4	1	19	20	38
40	38	43.4	1	20	21	40
42	40	45.4	1	21	22	42
44	42	47.4	1	22	23	44
46	44	49.4	1	23	24	46
48	46	51.4	1	24	25	48
50	48	53.4	1	25	26	50

Marking as referenced in the CMM catalogue pages 12 & 13

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	Iss	Date	Drawn	Checked	Approved
Item : Connector CMM200 male straight SMT, nn LF contacts, optional latches LS					
Folder : X:\Méthodes\Plans clients\Plans clients 2D\08 - CMM200\Connecteurs mâles\201T\201Tnn(LS)_cl					

Tools recommended	
Latch Separation tool	P/N C14790

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Catalogue Reference : **201Tnn(LS)**

	General tolerance ±0.2	Scale 4:1	Page 1/1
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