

4
3
2
1

A

B

C

D



TECHNICAL FEATURES

MATERIAL

SHELL: Aluminium 6061 type alloy
Finish Nickel plating

INSERT: Special PPS (Polyphenylene Sulfide Fibreglass filled thermoplastic) UL 94-V0
Radiation resistance / No humidity absorption / Oxygen free
Thermal vacuum outgassing: TML < 1% and VCM < 0.1%
Insert retention: 50 pounds per sq.inch

FIXING HARDWARE:

- Jackscrow : Passivated stainless steel 300 series
M2,5 Max. torque 0,30 N.m (circlip version) / 0.40 N.m (others)
(Treadlocker recommended)

LF CONTACTS

Male: Contact area : Copper alloy / Ni + Au > 1µ
Tail : Copper alloy / Ni + Au flash 0,1µ min

ELECTRICAL FOR LF CONTACTS

- Rated current : 3 A max@25°C / 2.2 A max@85°C
- Rated voltage (sea level) : 200 Vrms
- Withstanding voltage (sea level) : 600 Vrms
- Breakdown voltage (sea level) : 800 Vrms
- Contact resistance (initial) : 8.7 mΩ max
- Insulation resistance : 5 GΩ min

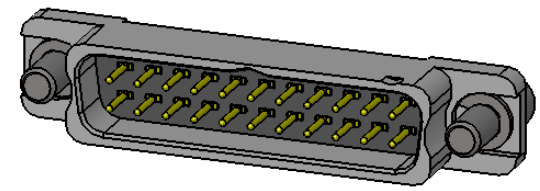
MECHANICAL FOR LF CONTACTS

- Contact durability : 500 cycles min.
- Contact engagement / separation force : 1.7 N max. / 0.2 N min per contact
- Contact retention in insulator (initial) : 10 N min

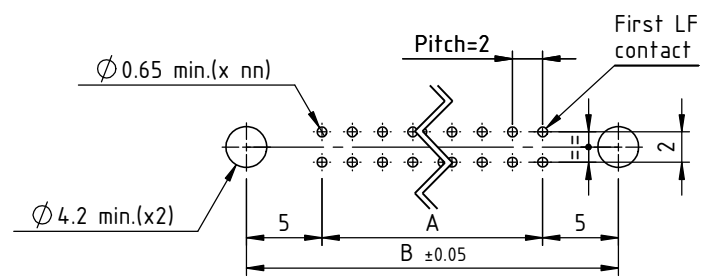
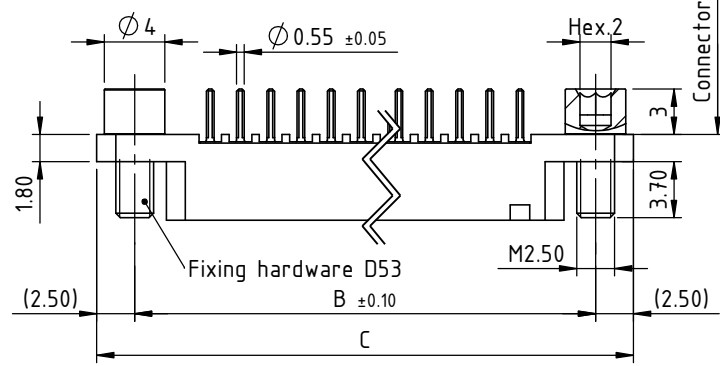
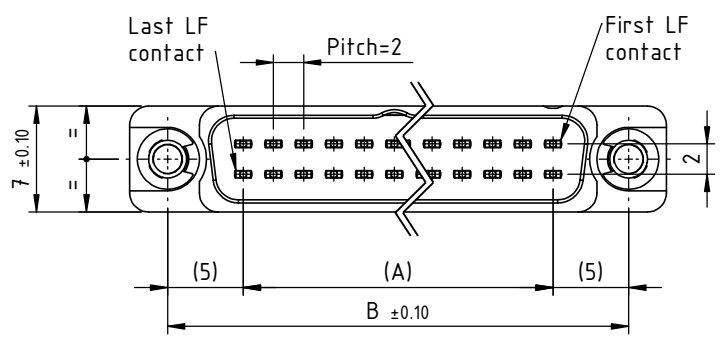
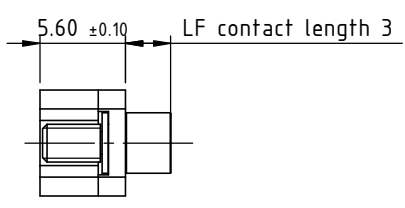
ENVIRONMENTAL

- Temperature range : From -55°C to +125°C. (Complies with PbFree reflow T° profile)
- Vibration severity : 10 to 2000Hz / 20g / 3 axis / 12 cycles per axis.
(no signal interruption > than 1 µs)
- Shock severity : 100g for 6 ms sawtooth. (no signal interruption > than 1 µs)
- Salt spray : 96h, 5% NaCl
- Fluid resistance : lubricating oil Aircraft turbine engines, synthetic base and coolant-dielectric fluid synthetic silicate ester base lubricant (coolanol 25 or equivalent)

The DMM micro-connectors specifications are mesured under MIL-DTL-83513G and EIA test procedures



Marking as referenced in the DMM catalogue



PCB layout

LF contact number nn	Length in mm		
	A	B	C
04	2	12	17
06	4	14	19
08	6	16	21
10	8	18	23
12	10	20	25
14	12	22	27
16	14	24	29
18	16	26	31
20	18	28	33
22	20	30	35
24	22	32	37
26	24	34	39
28	26	36	41
30	28	38	43
32	30	40	45
34	32	42	47
36	34	44	49
38	36	46	51
40	38	48	53
42	40	50	55
44	42	52	57
46	44	54	59
48	46	56	61
50	48	58	63
52	50	60	65
54	52	62	67
56	54	64	69
58	56	66	71
60	58	68	73

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	Iss	Date	Drawn	Checked	Approved
Item : Connector DMM220 male straight on PCB, nn LF contacts, D53					
Folder : \\192.168.1.251\Methodes\Plans clients\Plans clients 20V46 - DMM\13 - DMM 220V01 - Mâle\01-Y\0221YnnD53_cl					

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Catalogue Reference : **D221YnnD53**

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