



## Product Specifications

### Material

Insulator	Special LCP (Liquid Crystal Polymer thermoplastic) UL 94-V0
LF Contacts	Male : Copper alloy / Ni + Au 0.15 to 0.4max Female : Copper zinc alloy / Ni + Au 0.15 to 0.4max
Fixing Hardware	Passivated Stainless steel 300 series

### Electrical Features

Contact current capacity	UP to 4.8A@25°C (PCB to cable 20 pins) Up to 2.5@25°C (PCB to PCB 20 pins)
Working voltage	Withstanding voltage @ seal level : 600 V RMS Voltage proof @ sea level : 1000 V RMS
Contact resistance	Contact resistance (initial) < 10 mΩ max
Insulation resistance	insulation resistance (after conditioning) > 2 Gohm

### Mechanical Features

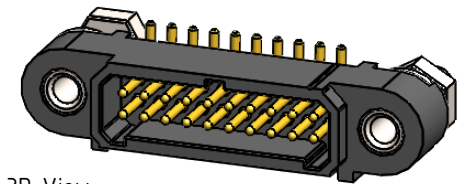
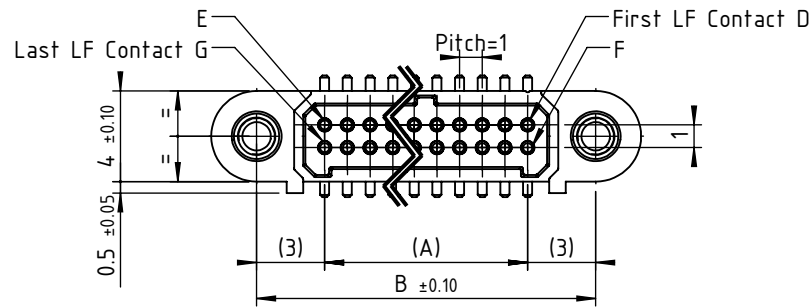
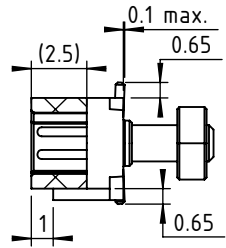
Contact durability	1000 min operations
Contact force	Engagment (max) : 0.7 N Separation (min) : 0.06 N
Contact retention	Contact retention > 6 N
Max torque	Screw-Lok torque 16 cNm

### Environmental Features

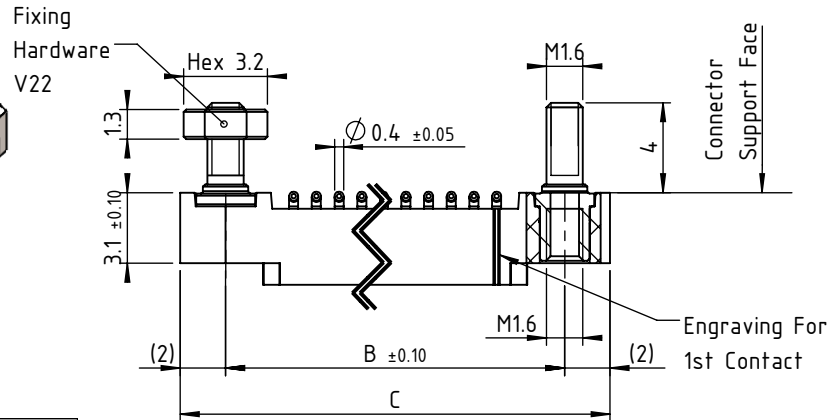
Temperature cycling	-65°C to 200°C
Humidity severity	25 °C -65 °C / 89 % - 94 % humidity / 6 days
Vibration severity (min)	Sinusoidal vibration / 15g / 10 Hz - 2000 Hz - 10 Hz in 20 min / 4h per axe in each 3 axes (total 12h) "No electrical interruption greater than one microsecond during vibration test"
Shock severity	Peak acceleration: 100g/Normal Duration 6ms, Wave form: sawtooth

a	17/09/18	P.K	T.V	V.G
Ind	Date	Drawn	Checked	Approved

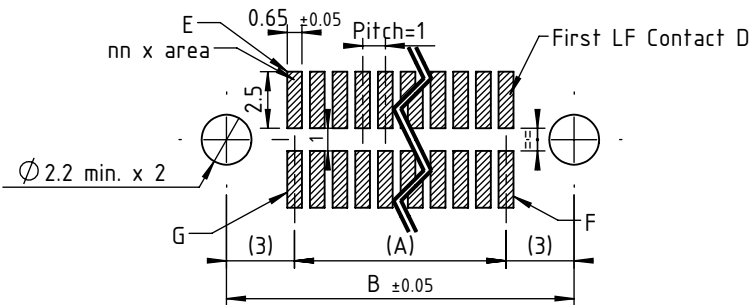
Item : Connector AMM 220 male SMT on PCB, nn LF Contacts, V22.



3D View



### Recommended PCB Layout



No. Of Contacts	Distance Between axes			Length in mm	LF Contact Reference			
	A	B	C		D	E	F	G
4	1	7	11	1	2	3	4	
6 ♦	2	8	12	1	3	4	6	
8	3	9	13	1	4	5	8	
10 ♦	4	10	14	1	5	6	10	
12	5	11	15	1	6	7	12	
14	6	12	16	1	7	8	14	
16	7	13	17	1	8	9	16	
18	8	14	18	1	9	10	18	
20 ♦	9	15	19	1	10	11	20	
22	10	16	20	1	11	12	22	
24	11	17	21	1	12	13	24	
26	12	18	22	1	13	14	26	
28	13	19	23	1	14	15	28	
30	14	20	24	1	15	16	30	
32	15	21	25	1	16	17	32	
34 ♦	16	22	26	1	17	18	34	
36	17	23	27	1	18	19	36	
38	18	24	28	1	19	20	38	
40	19	25	29	1	20	21	40	
42	20	26	30	1	21	22	42	
44	21	27	31	1	22	23	44	
46	22	28	32	1	23	24	46	
48	23	29	33	1	24	25	48	
50 ♦	24	30	34	1	25	26	50	

NOTE:

1. Tape and Reel packaging
2. ♦ Configurations are available in stock"
3. "Feel free to ask for technical support"

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Catalogue Reference :

A221TnnV22

Compliant matrix :  
Customer reference :



General tolerance ±0.2  
Scale 3:1  
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