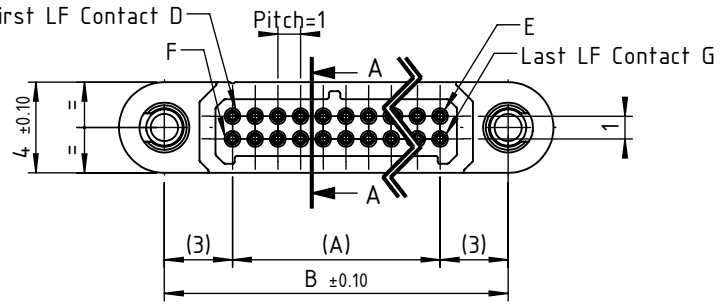
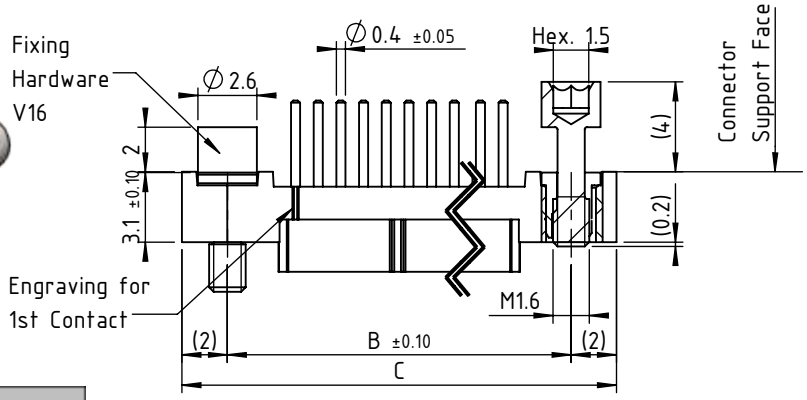


CUT A-A

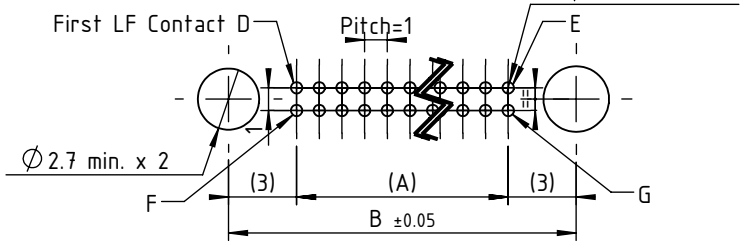


3D View





Recommended PCB Layout



No. Of Contacts	Distance Between axies		Length in mm	LF Contact Reference			
nn	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"

AMM

Product Specifications

Material	
Insulator	LCP (Liquid Crystal Polymer) UL94-V0
Signal Contacts	Male : Copper alloy / Ni + Au 0.20µm to 0.40µm max. Female : Copper zinc alloy / Ni + Au 0.20µm to 0.40µm max.
Fixing Hardware	Stainless steel 300 series
Electrical Features	
Current rating	UP to 4.8A @ 25°C (PCB to cable 20 pins) Up to 2.5A @ 25°C (PCB to PCB 20 pins)
Voltage	Voltage proof @ sea level: 1000V RMS Withstanding voltage @ sea level: 600V RMS
Contact resistance	< 10mΩ (initial)
Insulation resistance	> 2GΩ (after conditioning)
Mechanical Features	
Contact durabitlity	1000 cycles
Contact forces	Engagement: 0.7N max Separation: 0.06N min
Contact retention	> 6N
Fixing Hardware torque	Screw-Lok: 16cN.m
Environmental Features	
Temperature cycling	-65°C to +200°C
Humidity	25°C -65°C / 89% - 94% humidity / 6 days
Vibration	Sinusoidal vibration: 15g / 10Hz – 2000Hz – 10Hz in 20min / 4h per axis in each 3 axes (total 12h)
Shock	Peak accelaration: 100g/Normal Duration 6ms; Wave form: sawtooth

NICOMATIC
www.nicomatic.com

Ind	Date	Drawn	Checked	Approved
b	22/06/20	P.K	K.H	A.DL

Item : Connector AMM 220 female straight on PCB, nn LF Contacts, V16

This document and drawings, sketches, and schematic drawings are the property of the NICOMATIC company. and no parts thereof may be reproduced and used without the written consent of the owner. Law dated 11.03.1902

Catalogue Reference : A222YnnV16	*Compliant matrix :*		General tolerance ±0.2	Scale 3:1	Page 1/1
	Customer reference :				

A4