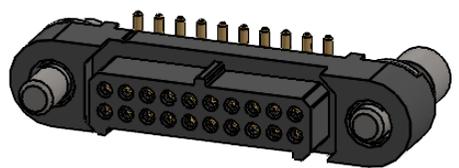
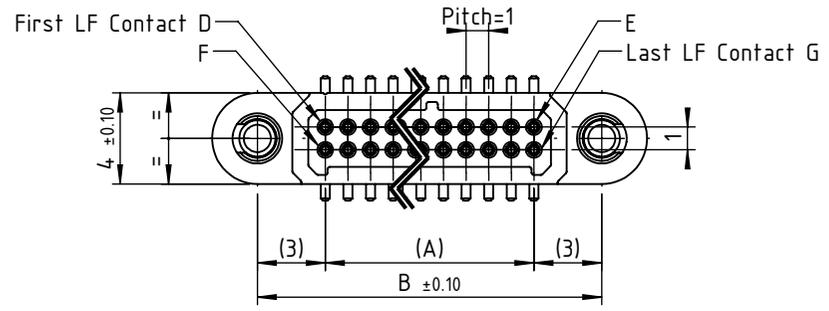
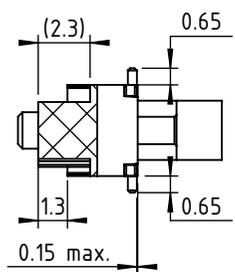


D

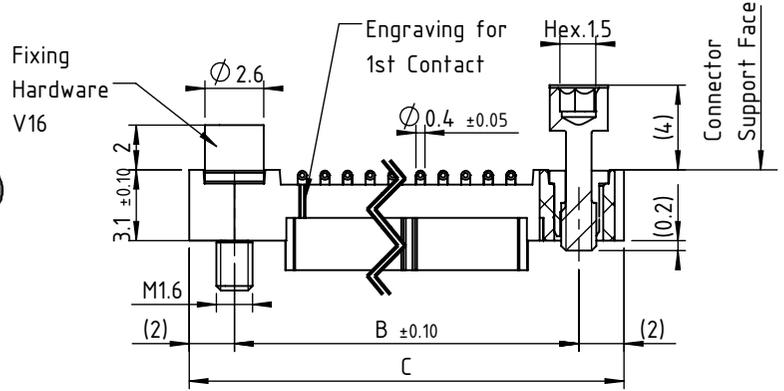
C

B

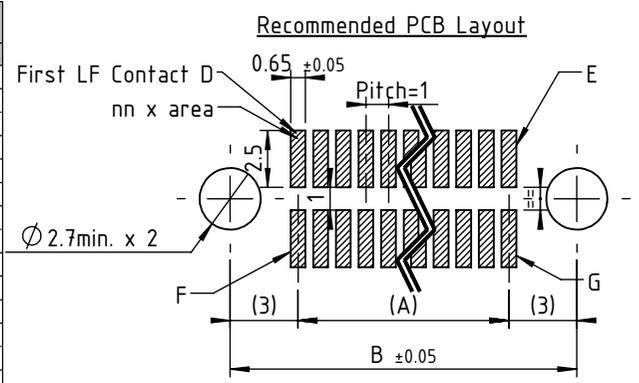
A



3D View



| No. Of Contacts | Distance Between axes |    | Length in mm | LF Contact Reference |    |    |    |
|-----------------|-----------------------|----|--------------|----------------------|----|----|----|
|                 | A                     | B  |              | 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"

### Product Specifications

| Material               |   |
|------------------------|---|
| Insulator              | LCP (Liquid Crystal Polymer) UL94-V0  |
| Signal Contacts        | Male : Copper alloy / Ni + Au 0.2µm to 0.40µm max.<br>Female : Copper zinc alloy / Ni + Au 0.2µm 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)<br>Up to 2.5A @ 25°C (PCB to PCB 20 pins)                              |
| Voltage                | Voltage proof @ sea level: 1000V RMS<br>Withstanding voltage @ sea level: 600V RMS                              |
| Contact resistance     | < 10mΩ (initial)  |
| Insulation resistance  | > 2GΩ (after conditioning)  |
| Mechanical Features    |   |
| Contact durability     | 1000 cycles   |
| Contact force          | Engagement: 0.7N max<br>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 acceleration: 100g/Normal Duration 6ms; Wave form: sawtooth  |

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|        |   |       |         |          |
|--------|---|-------|---------|----------|
| b      | 18/06/20  | P.K   | K.H     | A.DL     |
| Ind    | Date  | Drawn | Checked | Approved |
| Item : | Connector AMM 220 Female SMT on PCB, nn LF Contacts, V16. |       |         |          |

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Catalogue Reference : A222TnnV16

Compliant matrix :  
Customer reference :

|  |                        |           |          |
|--|------------------------|-----------|----------|
|  | General tolerance ±0.2 | Scale 3:1 | Page 1/1 |
|--|------------------------|-----------|----------|

D

A4