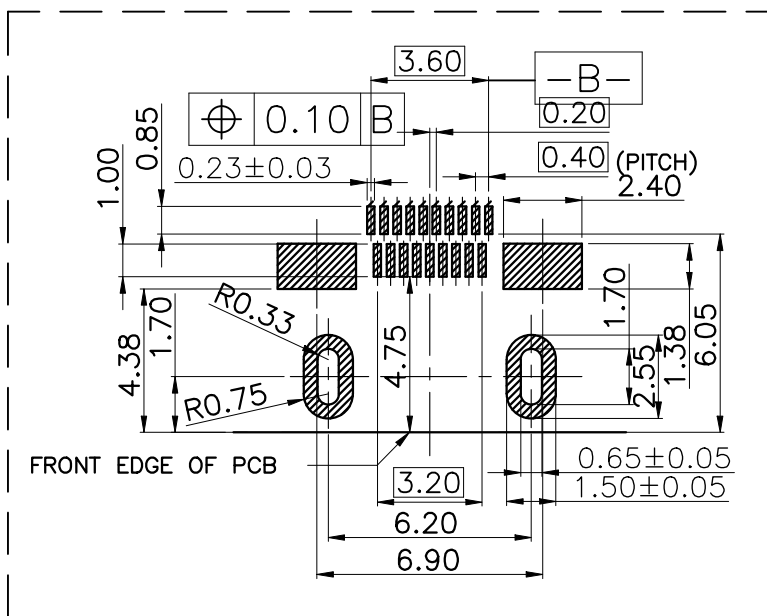
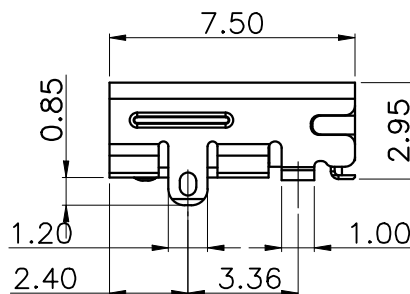
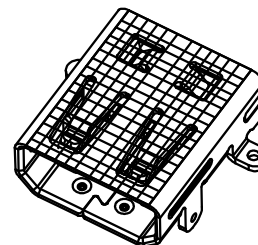
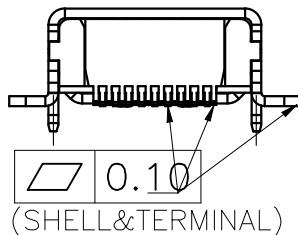
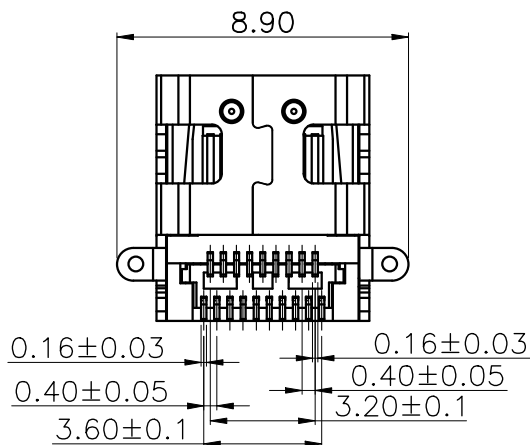
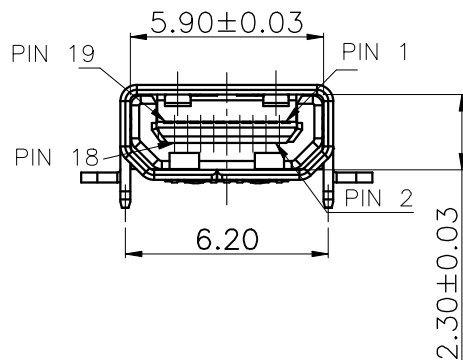
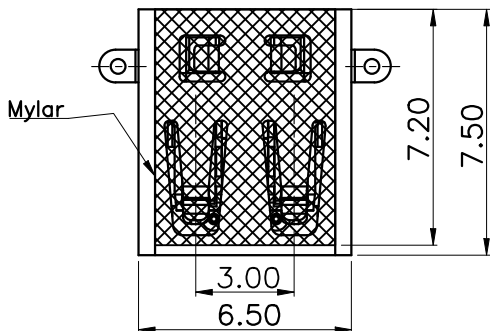


ROHS



RECOMMENDED PCB LAYOUT(.XX±0.05)  
CONNECTOR SIDE(TOP VIEW)

| REV. | ECN NO. | DESCRIPTION | DRAW | DATE |
|------|---------|-------------|------|------|
|      |         |             |      |      |

NOTE:

- 1.MATERIAL AND FINISH SEE THE TABLE.
- 2.MECHANICAL CHARACTERISTICS  
INSERTION FORCE: 44.1N MAX  
EXTROCTION FORCE: 5N MIN(AFTER 5000 CYCLES 3N MIN.), 25N MAX.  
MATING CYCLE:5000 CYCLES
- 3.ELECTRICAL CHARACTERISTICS  
RATING CURRENT: 0.5A  
RATING VOLTAGE: 40V  
CONTACT RESISTANCE: 10 MILLOHMS OHMS MAX (EXCLDUING CONDUCTOR RESISTANCE)  
INSULATION RESISTANCE:  
a, UNMATED: 100M OHMS MIN AT 500 VDC  
b, MATED: 10M OHMS MIN AT 150 VDC  
DIELECTRIC WITHSTANDING VOLTAGE:  
250V AC/1MINUTE  
OPERATING TEPERATURE: -20°C--+85°C  
STORAGE TEMPERATURE: -20°C--+65°C

| PIN | Signal Assignment | PIN | Signal Assignment |
|-----|-------------------|-----|-------------------|
| 1   | Hot Plug Detect   | 2   | Utility           |
| 3   | TMDS Data2+       | 4   | TMDS Data2 Shield |
| 5   | TMDS Data2-       | 6   | TMDS Data1+       |
| 7   | TMDS Data1 Shield | 8   | TMDS Data1-       |
| 9   | TMDS Data0+       | 10  | TMDS Data0 Shield |
| 11  | TMDS Data0-       | 12  | TMDS Clock+       |
| 13  | TMDS Clock Shield | 14  | TMDS Clock-       |
| 15  | CEC               | 16  | DDC/CEC Ground    |
| 17  | SCL               | 18  | SDA               |
| 19  | +5V Power         |     |                   |

|                   |       |                                                             |                    |            |                                                                                       |
|-------------------|-------|-------------------------------------------------------------|--------------------|------------|---------------------------------------------------------------------------------------|
| COSTOMTER DRAWING |       | LAILIAN 深圳市莱联电子有限公司<br>SHENZHEN LAILIAN ELECTRONICS CO.,LTD |                    |            |                                                                                       |
| DRAWING           |       | TITLE                   HDMI-D连接器19PIN母端卧贴                  |                    |            |                                                                                       |
| CHECK             |       |                                                             |                    |            |                                                                                       |
| APPROVAL          |       |                                                             |                    |            |                                                                                       |
| TOLERANCES ARE    |       | PART NO.                                                    | LAIL-HDMI-D03-A-WT | UNITS      | mm                                                                                    |
| 30-150            | ±0.35 |                                                             |                    |            |                                                                                       |
| 10-30             | ±0.2  |                                                             |                    |            |                                                                                       |
| 5-10              | ±0.15 |                                                             |                    |            |                                                                                       |
| 0-5               | ±0.1  |                                                             |                    |            |                                                                                       |
| ANGLE             |       | DWG.NO.                                                     |                    | Projection |  |
| ±3°               |       |                                                             |                    |            |                                                                                       |