

更改 REV	變更內容 MODIFICATION
A	ECXXXXX

Notes:

1. Materials

- a. Housing: LCP+30% G/F, Black, UL94 V-0;
- b. Contact: Phosphor Copper (C5191), Gold Plating at mating area, Matte Tin or Au Plating at solder tail, all over Nickel;
- c. Shell: Phosphor Copper (C5191);

2. Ratings

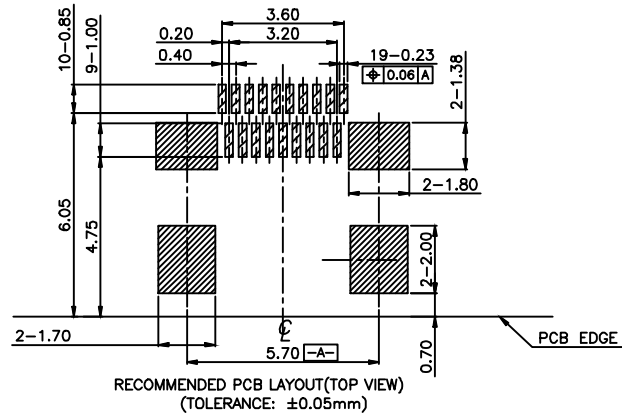
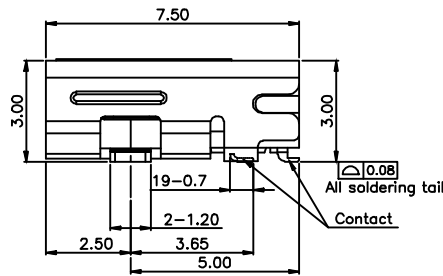
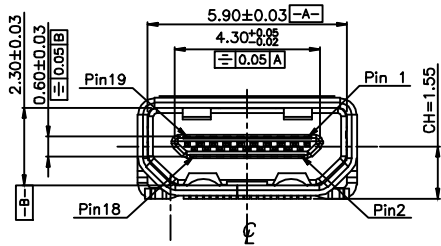
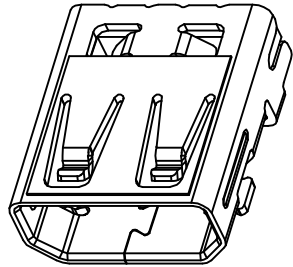
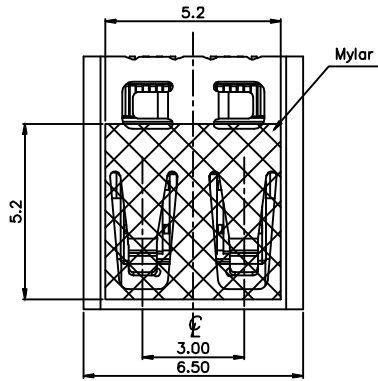
- a. Current Rating: 0.3A ;
- b. Operating Temperature: -40°C ~ 85°C

3. Electrical Requirement:

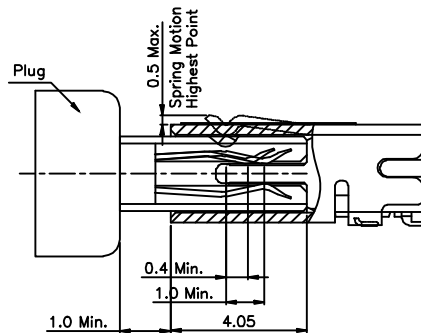
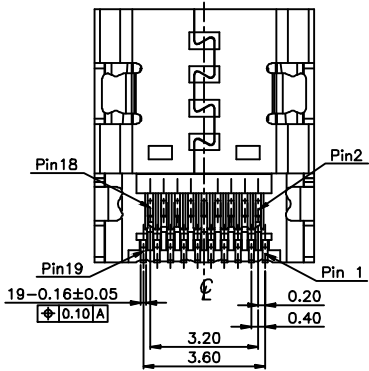
- a. LLCR: Excluding Conductor Resistance 10mΩ Max.(Target design value),
Contact: 30mΩ Max. changed (Final), Shell: 50mΩ Max. Changed (Final);
- b. Dielectric Withstanding Voltage: 150V AC (RMS) for 1 minute (Mated), 250V AC (RMS) for 1 minute (Unmated);
- c. Insulation Resistance: 10MΩ Min. @ 150V DC (Mated), 100MΩ Min. @ 500V DC (Unmated);

54. Mechanical Performance:

- a. Insertion force: 44.1N (4.5Kgf) Max.;
- b. Withdrawal force: 4.9~25N (0.5~2.5Kgf);
- c. Durability life: 5,000 Cycles;
- 5. IR Reflow: the peak temperature on board shall be maintained for 10 seconds at 260°C



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



Receptacle and Plug Mated Condition

GENERAL TOLERANCE	
X± 0.50	X*± 5°
.X± 0.30	.X*± 2°
.XX± 0.20	.XX*± 1°

KINGCONN	皇海科技股份有限公司
名稱(TITLE)	HDMI Type D 19 Pin
	板上型 CH=1.55 雙排SMT 外殼全貼

單位(UNIT)	料號(PART NO.)	圖號(DWG NO.)
mm	7HDMI-F0-2001	7HDMI-F0-2001
審核(APPROVAL)	核對(CHECKED)	製圖(DRAWN)
比例(SCALE)	張數(SHEET)	更改(REV)
1:1	1/1	A

