

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: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$

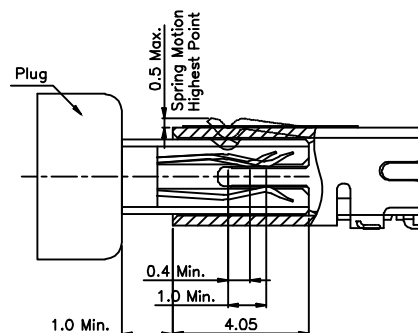
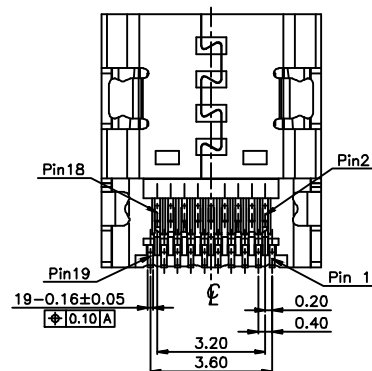
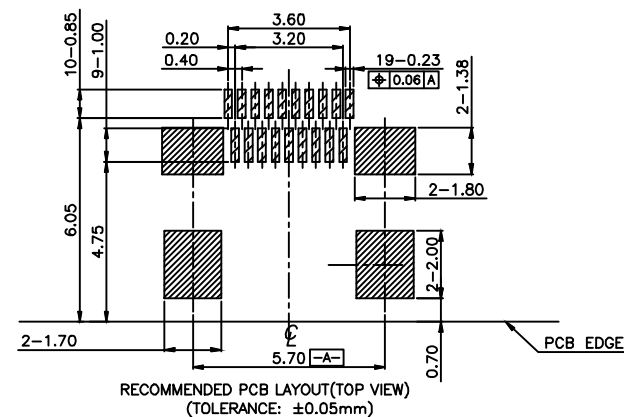
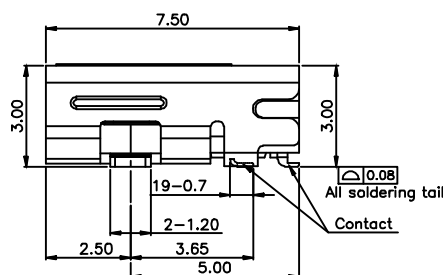
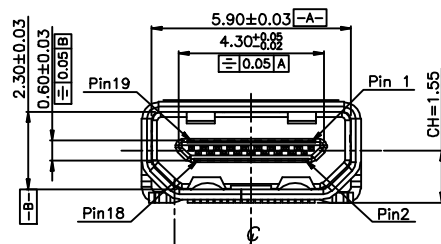
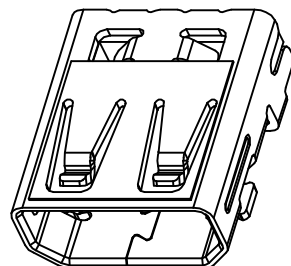
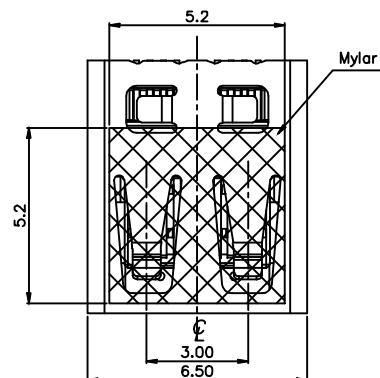
3. Electrical Requirement:

- 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



Receptacle and Plug Mated Condition

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

GENERAL TOLERANCE		KINGCONN	皇海科技股份有限公司	
X± 0.50	X*± 5 °		名 稱(TITLE) HDMI Type D 19 Pin 板上型 CH=1.55 雙排SMT 外殼全貼	
.X± 0.30	.X*± 2 °			
.XX± 0.20	.XX*± 1 °			
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 1:1	張 數 SHEET 1 / 1
			更 改 REV	A

