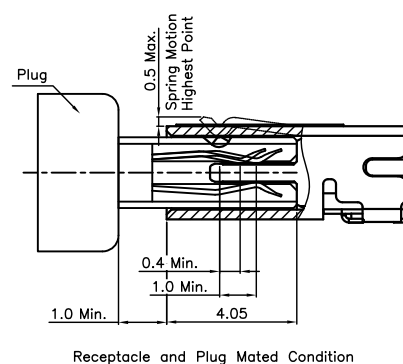
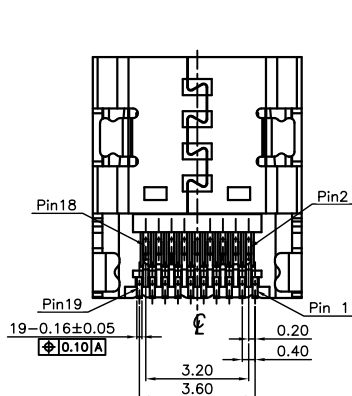
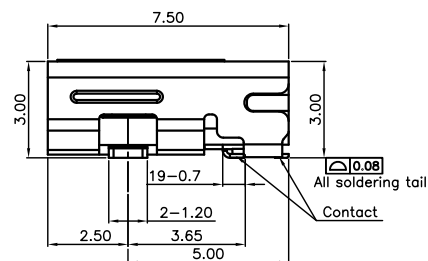
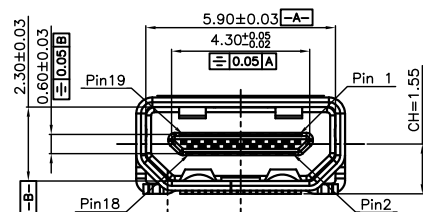
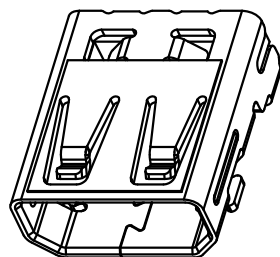
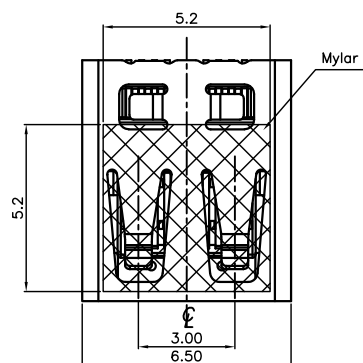
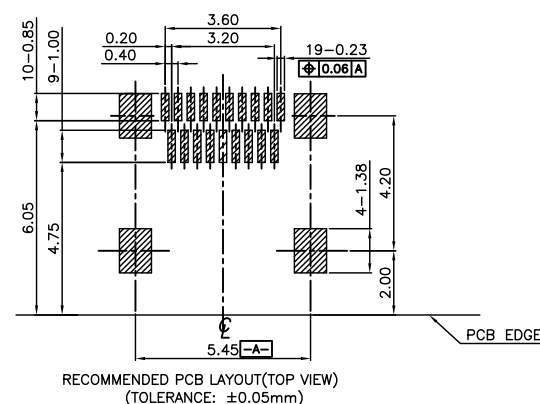




Receptacle and Plug Mated Condition

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±5°C.

RECOMMENDED PCB LAYOUT(TOP VIEW)
(TOLERANCE: ±0.05mm)

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



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TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 X' ±2" X.X' ±0.5' UNIT: mm [inch] SCALE:1:1 SIZE: A4	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: HDMI D TYPE 板上型CH=1.55 双排SMT 外壳全贴	
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO.	HYCW21-HDMI D19-155B
	APPROVED BY: 邱国夷	DATE : 2014-02-23	DRAW NO:	HYC-SIM1605061436
			SHEET NO.	1 OF 1