

REV.	ECN	DESCRIPTION	APPROVED
A	YTXXXX	RELEASE TO CUSTOMER.	SKY 04/08/07

NOTES:

*Material

Body: LCP+50%G.F UL94V-0 Color:Black
Insert(Molding): LCP+30%G.F UL94V-0 Color:Black
Retainer: LCP+50%G.F UL94V-0 Color:Black
Contact: Phosphor Bronze;
Plating: Gold plating over Nickel(40~80U")
on contact area,Tin(100~250U")
Plating on Solder Tail.

Shell: Brass;

Plating: Nickel(40~80U") Plating.

*Environmental

Operating Temperature: -40°C to +85°C.

*Electrical Specification

Current Rating: 0.5 Ampere per contact

Contact Resistance: 30 mΩ max.

Insulation Resistance: 100MΩ Min

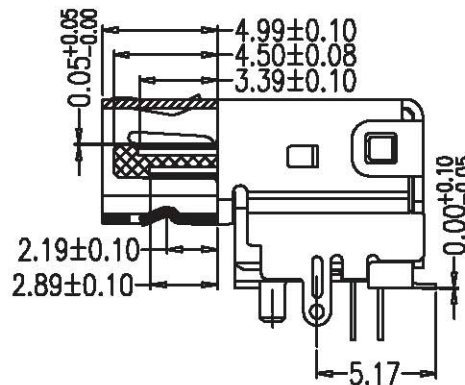
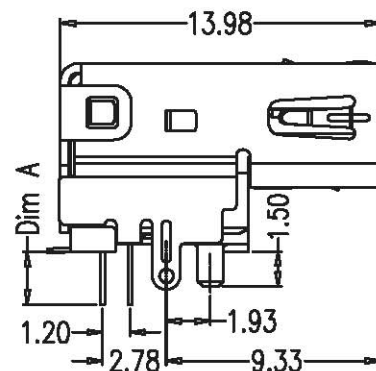
Dielectric Withstanding Voltage: 500V AC Min

*Mechanical

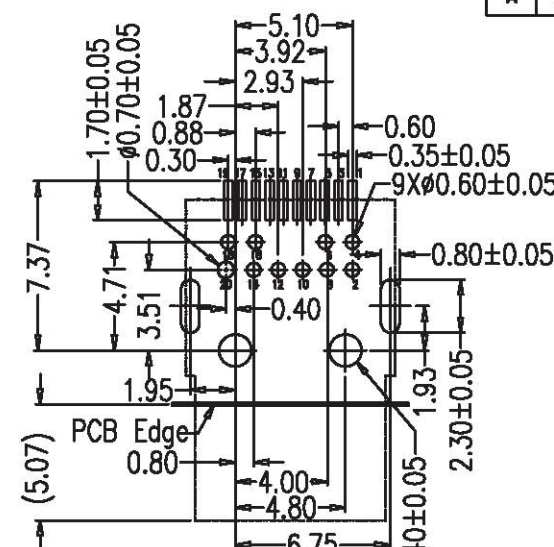
Insertion Force: 4.5Kg Max

Withdrawal Force: 1.0~4.0Kg Min

Durability: 10000 Cycles



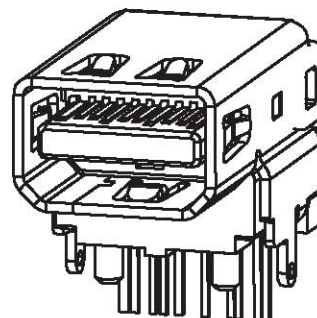
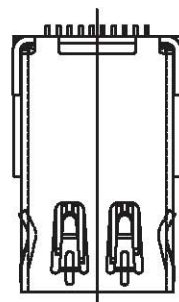
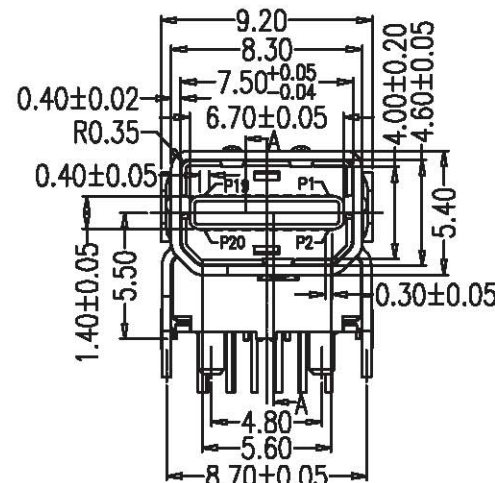
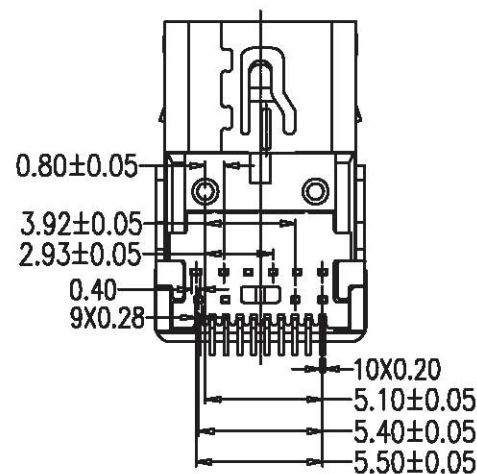
Section:A-A



P.C.B Layout
Component side

Unit:mm

Dim A	P.C.B Thickness
2.15~2.30	1.20
3.10	1.60



Top Row			Bottom Row		
Pin NO.	Signal Type	Pin Name	Pin NO.	Signal Type	Pin Name
1	GND	GND	2	In	HotPlug Detect
3	Out	ML_Lane 0(p)	4	CONFIG	CONFIG1
5	Out	ML_Lane 0(n)	6	CONFIG	CONFIG2
7	GND	GND	8	GND	GND
9	Out	ML_Lane 1(p)	10	Out	ML_Lane 3(p)
11	Out	ML_Lane 1(n)	12	Out	ML_Lane 3(n)
13	GND	GND	14	GND	GND
15	Out	ML_Lane 2(p)	16	I/O	AUX_CH(p)
17	Out	ML_Lane 2(n)	18	I/O	AUX_CH(n)
19	GND	GND	20	PWR Out	DP_PWR

UNIT	mm	Projection		Seconn International Enterprise Co., Ltd.			
TOLERANCES				TITLE			
General Tolerance		Angle Tolerance		Mini Display Port 20P Female SMT+Dip Shell 2 feet Dip (Apple5.5)			
.x = ± 0.35		x.° = ± 3.0°					
.xx = ± 0.25		.x.° = ± 2.0°					
.xxx = ± 0.150		.xx° = ± 1.0°		PART NO. MDP1-S20A1-RQ0X			
DRAWN	Kevin	DATE	2007/4/8				
SCALE	1/1	SIZE	A4	SHEET	1/1	REV	A0