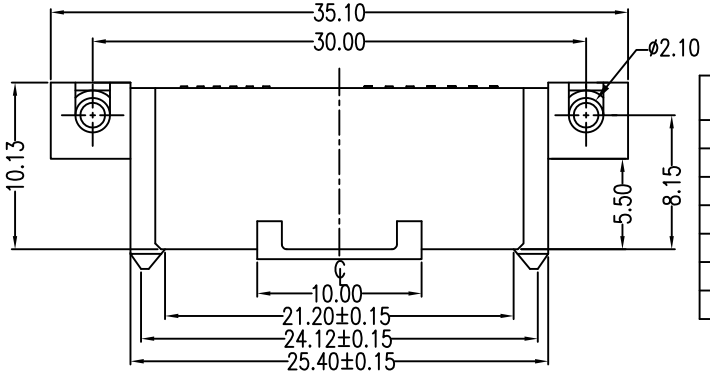
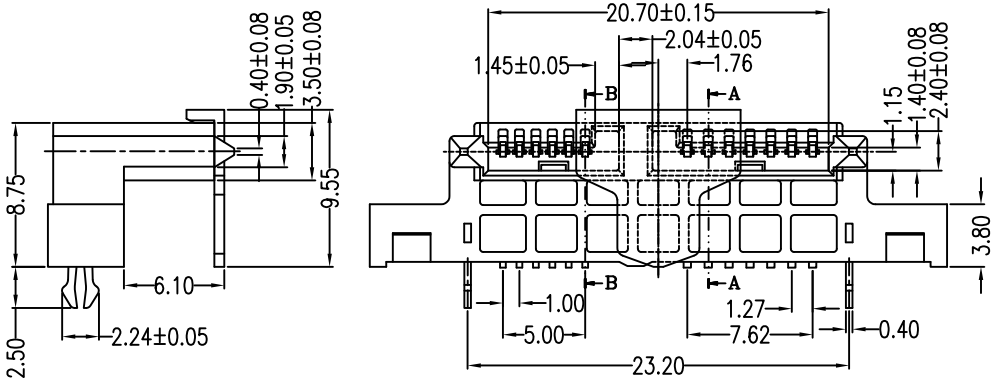
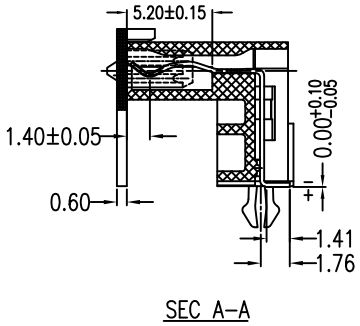
REV.	ECN.NO.	DATE
A	RELEASED	08/27/09

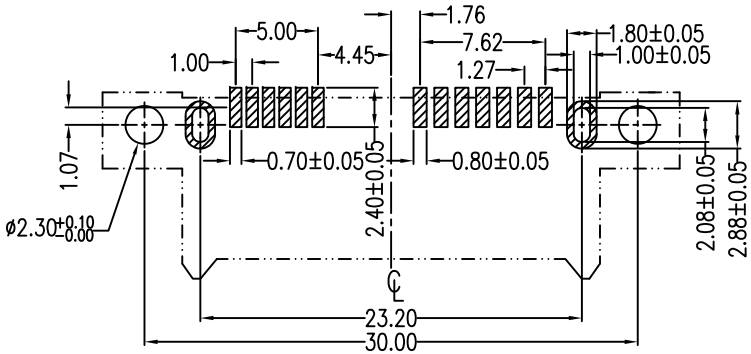


Pin Number	Signal Name	Pin Number	Power Line Designation
S1	GND	P1	DP
S2	A+	P2	+5V
S3	A−	P3	+5V
S4	GND	P4	MD
S5	B−	P5	GND
S6	B+	P6	GND
S7	GND		

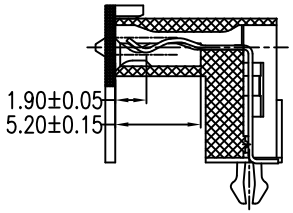




SEC A−A



PCB Layout
TOP VIEW (T=1.20mm)



SEC B−B

Notes:

*Material

Housing: LCP+50%G.F, UL 94V−0 rated;
Color: Black.
Contact: Phosphor Bronze
Plating: Gold Plating over Nickel(40~80u") on contact area; Tin(100~250u") plating on solder Tail.
Harpoon: Brass
Plating: Tin(100~250u") Plating over Nickel(40~80u")

*Mechanical

Insertion Force: 45N max.
Withdrawal Force: 10N min.
Durability: 500 cycles

*Electrical Specification

Current Rating: 1.5 Ampere per contact
Contact Resistance: 30 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 500 VAC

*Environmental

Operating Temperature: −55°C to +85°C

*How to Order:

2SAT−F13−RFS−70
- Gold:F:Flash,5:15u",3:30u"
- NO. of Contacts
- Series No.

Units	mm	Scale	2:1
Tolerance Unless Otherwise Specified			
.X	~	±0.38	
.XX	~	±0.25	
.XXX	~	±0.20	
Angle	~	± 3°	

Drawing By	Mini	Data 08/27−'09
Reviewed By	Sharon	Data 08/27−'09
Approval By	Jason	Data 08/27−'09

SINGATRON U.S.A.

Date	08/27/09
Sheet	1 of 1
Third Angle Projection	
Title	SATA 7+6P Female Screw SMT Type(8.75)
Drawing No.	2SAT−F13−RFS−70
REV	A