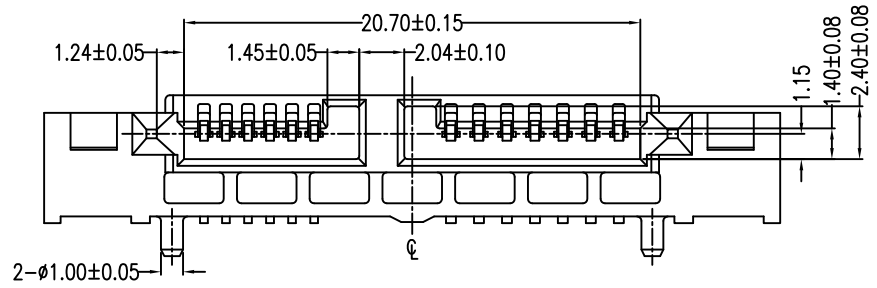


REV.	ECN.NO.	DATE
A	RELEASED	04/23/08
B	Change Layout	07/21/08
C	Change Withdrawal Force: 10N Min-2.5N Min.	01/21-'11



Pin No.	Signal Name	Pin No.	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		

Notes:

*Material

Housing: LCP+50%G.F, UL 94V-0 rated;Color: Black.
 Contact: Phosphor Bronze
 Plating: Au plating on contact area, Sn(100u" min.) plating on solder tail, Ni(40u" min.) underplating overall
 Screw: Fe Plating over Zn

*Mechanical

Insertion Force: 45N max.
 Withdrawal Force: 2.5N min.
 Durability: 500 cycles

*Electrical Specification

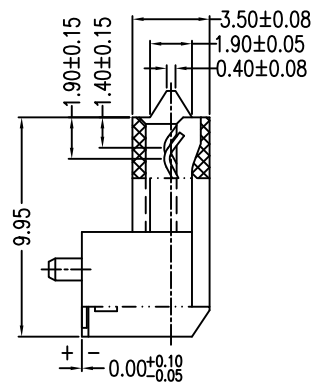
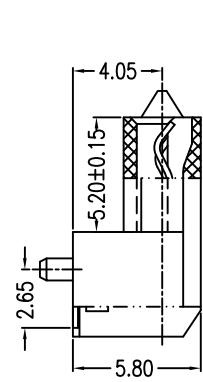
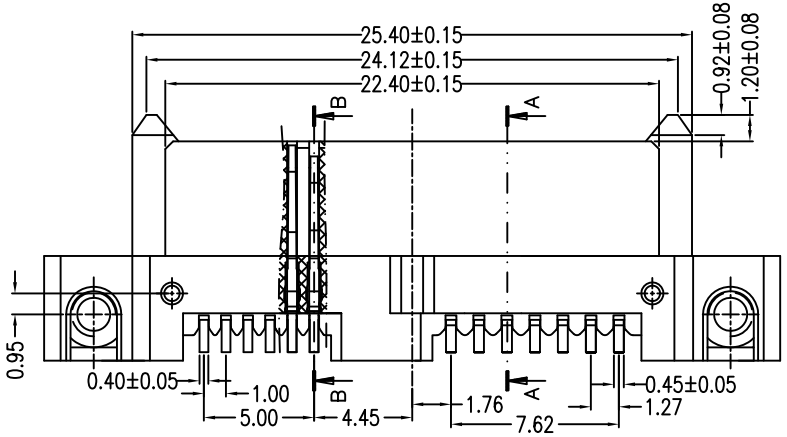
Current Rating: 1.5 Ampere per contact
 Contact Resistance: 30mΩ max.
 Insulation Resistance: 1000MΩ min.
 Dielectric Withstanding Voltage: 500V AC

*Environmental

Operating Temperature: -55°C to +85°C

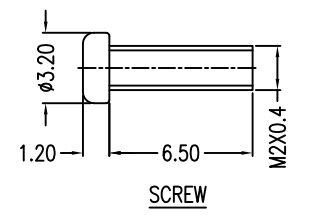
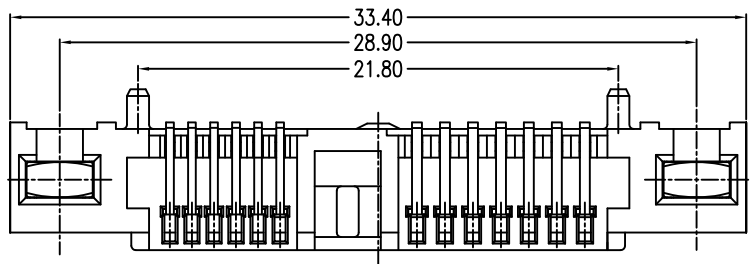
*How to Order:

2SAT-F13-R5S-20
 3: SMT
 Gold F:Flash, 5:15u", 3:30u"
 NO. of Contacts
 Series No.

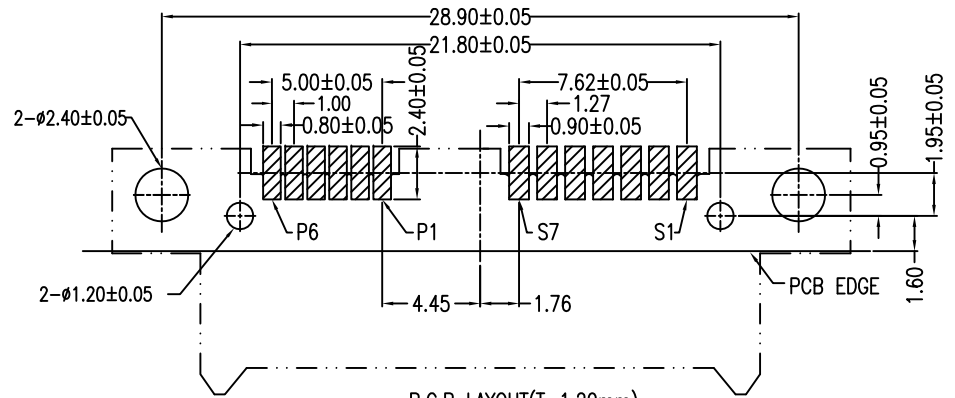
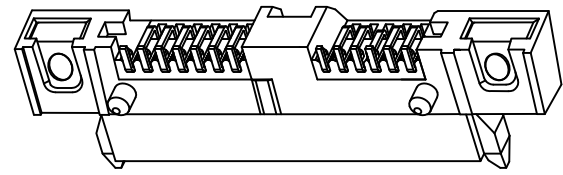


SECT A-A

SECT B-B



SCREW



P.C.B LAYOUT(T=1.20mm)
COMPONENT SIDE

Units	mm	Scale	8:3	Drawing By	Data	SINGATRON U.S.A.					
Tolerance Unless Otherwise Specified				Joan	01/21/11'						
.X ~ ±0.38				Reviewed By	Data	Date	01/21-'11	Title	SATA 7+6P 90° Female Screw SMT Type		
.XX ~ ±0.25				Sharon	01/21/11'	Sheet	1 of 1				
.XXX ~ ±0.20				Approval By	Data	Third Angle Projection		Drawing No.	2SAT-F13-R5S-20	REV	C
Angle ~ ± 3°				Jason	01/24/11'						