

Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		

**Notes:**

**\*Material**

Housing: LCP+50%G.F, UL 94V-0 rated;  
 Contact: Phosphor Bronze;  
 Plating: Gold Plating on contact area,  
 Tin(100u" Min) plating on solder Tail,  
 Nickel(40u" Min) contact underplating overall.

**\*Mechanical**

Insertion Force: 45N Max;  
 Withdrawal Force: 10N Min;  
 Durability: 50 cycles.

**\*Electrical Specification**

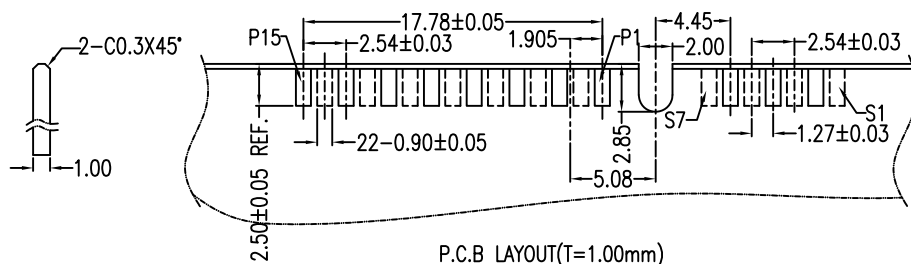
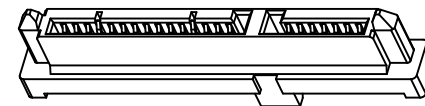
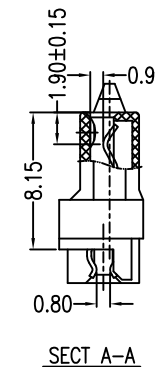
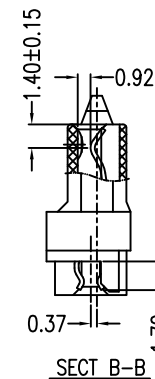
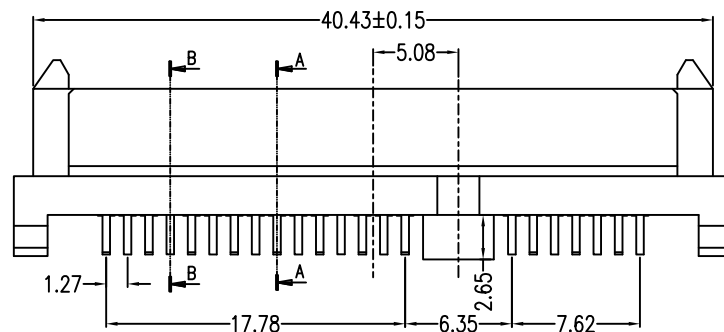
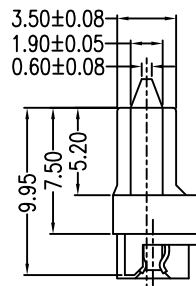
Current Rating: 1.5 Ampere per contact;  
 Contact Resistance: 30mΩ Max.;  
 Insulation Resistance: 1000MΩ Min;  
 Dielectric Withstanding Voltage: 500V AC.

**\*Environmental**

Operating Temperature: -55°C to +85°C.

**\*How to Order:**

2SAT-F22-V5M-0B  
 ↳ Gold F:Flash 5:15u"  
 ↳ Number of Contacts  
 ↳ Series No.



P.C.B LAYOUT(T=1.00mm)

Units	mm Scale	2:1	Drawing By	Date	SINGATRON U.S.A.			
			Jimmy	10/25/10				
			Reviewed By	Date	Date	10/25-'10	Title	SATA 7+15P Straight Straddle Female(Double Row) (5.00)
			Sharon	10/26/10	Sheet	1 of 1		
			Approval By	Date	Third Angle Projection			
			Jason	10/26/10	Drawing No.	2SAT-F22-V5M-0B	REV	A