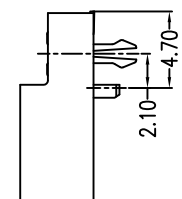
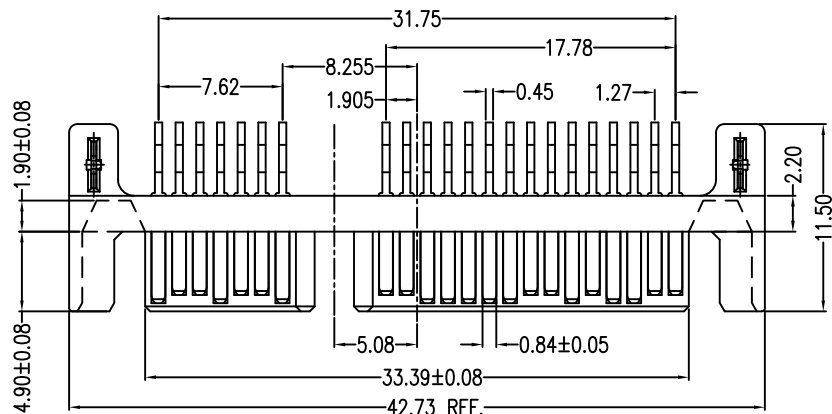


REV.	ECN.NO.	DATE
A	RELEASED	10/01-'06
C	Modify the tongue 0.20x45— 0.30x45	06/20-'11
D	Cancel the glass fiber	10/15-'13



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

Power Segment	
Name	Type
P1	V3.3
P2	V3.3
P3	V3.3
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/DSS
P12	GND
P13	V12
P14	V12
P15	V12

**NOTES:**

**\*Material**  
Housing: LCP UL 94V-0 rated, Color: Black;  
Contact: Brass;  
Plating: Au plating on contact area,  
Sn(100u" Min) plating on solder tail,  
Ni(40u" Min) underplating over all;  
Harpoon: Brass, Sn(100u" Min) plating on solder tail,  
Ni(50u" Min) underplating over all.

**\*Mechanical**

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

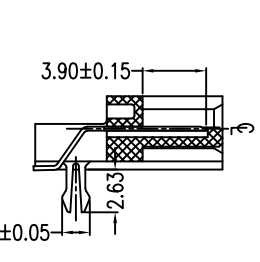
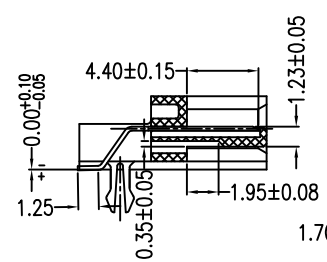
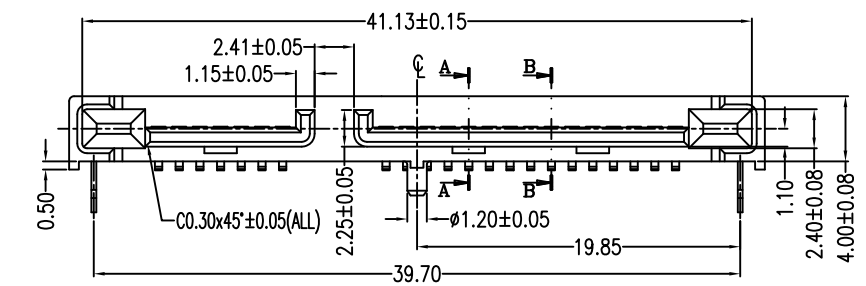
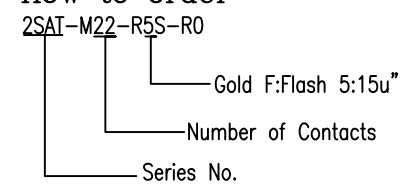
**\*Electrical Specification**

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

**\*Environmental**

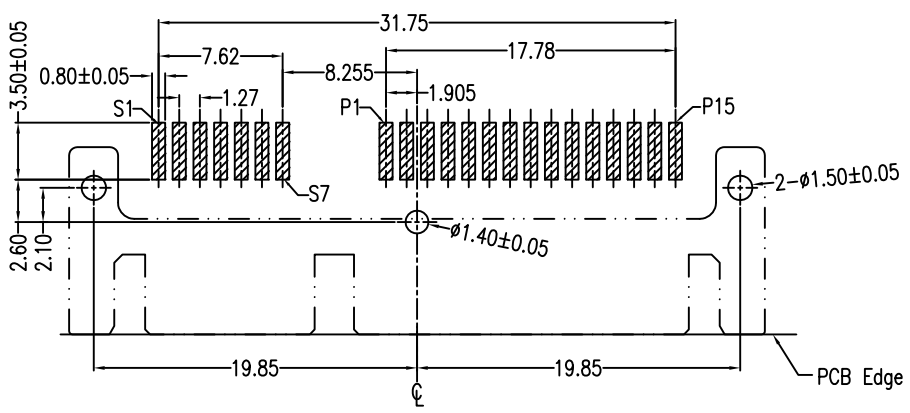
Operating Temperature: -55°C to +85°C

**\*How to order**

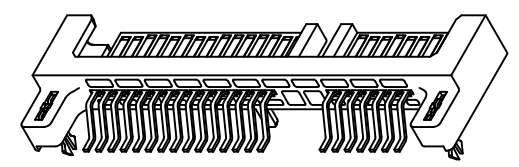


SECT A-A

SECT B-B



PCB LAYOUT(T=1.60±0.05mm)  
COMPONENT SIDE



Units	mm	Scale	1:1	Drawing By	Date	SINGATRON U.S.A.			
Tolerance Unless Otherwise Specified				May	11/15-'13				
.X	~	±0.38		Reviewed By	Date	Date	10/15/13	Title	Serial ATA 7+15P SMT (90°) (Reverse) Male
.XX	~	±0.25		Sharon	11/15-'13	Sheet	1 of 1		
.XXX	~	±0.20		Approval By	Date	Third Angle Projection		Drawing No.	2SAT-M22-R5S-R0
Angle	~	± 3°		Jason	11/15-'13	REV	D		