

REV.	ECN.NO.	DATE
A	RELEASED	08/25/09
D	Change Housing and Notes	12/12/12
E	Add The P.C.B. Layout T=1.0	09/16/14

**Notes:**

**\*Material**

Housing: LCP, 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) contact underplating overall.  
 Harpoon: Brass  
 Plating: Sn(100u"Min) Plating Over Ni(50u"Min)

**\*Mechanical**

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

**\*Electrical Specification**

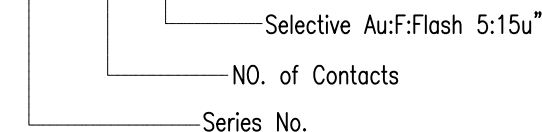
Current Rating: 1.5 Ampere per contact  
 Contact Resistance: 30mΩ max.  
 Insulation Resistance: 1000MΩ min.  
 Dielectric Withstanding Voltage: 500 V AC

**\*Environmental**

Operating Temperature: -55°C to +85°C

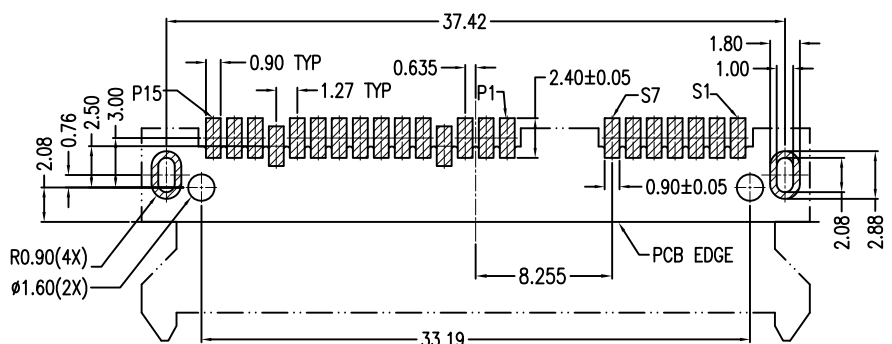
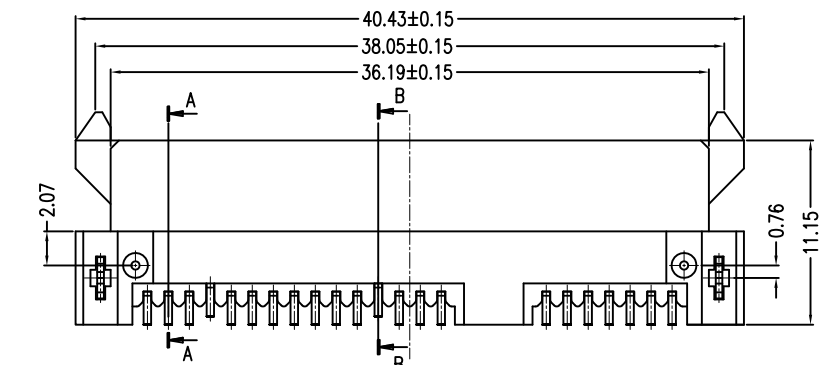
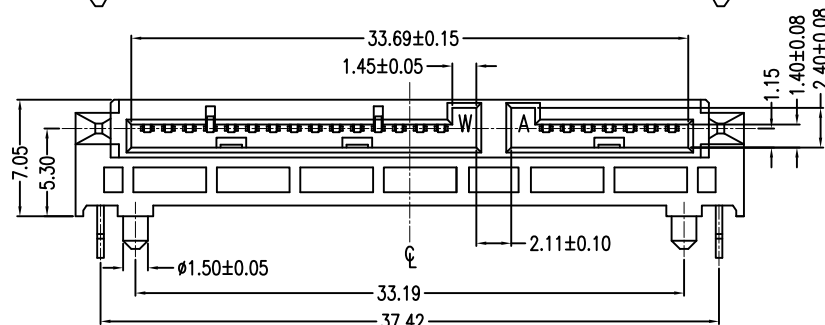
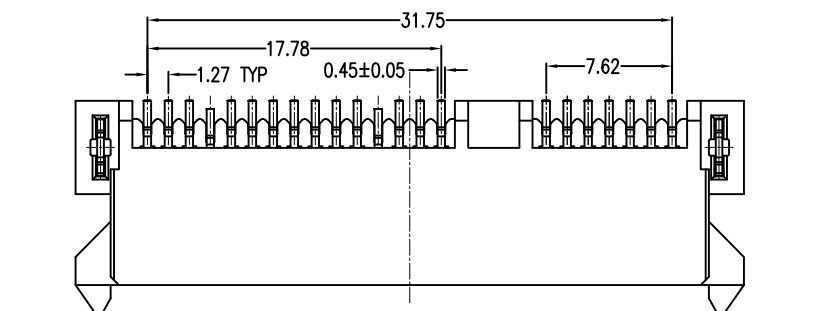
**\*How to order:**

2SAT-022-R5S-0N

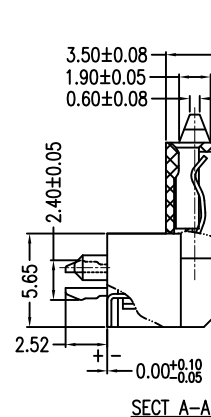


Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

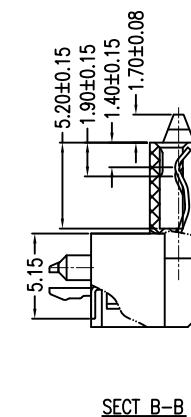
Power Segment	
Name	Type
P1	V33
P2	V33
P3	V33
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/DSS
P12	GND
P13	V12
P14	V12
P15	V12



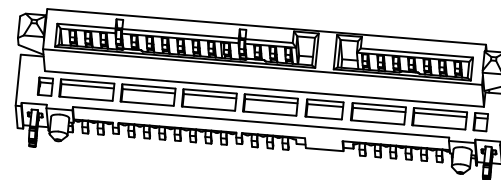
P.C.B LAYOUT (T=1.0/1.2/1.6)  
COMPONENT SIDE



SECT A-A



SECT B-B



Units	mm	Scale	2:1	Drawing By	Date	SINGATRON U.S.A.					
				Jack	09/16-'14	Date	09/16/14	Title	SATA 7+15 90° SMT Type Female(7.05)		
Tolerance Unless Otherwise Specified				Reviewed By	Date	Sheet	1 of 1				
	.X	~	±0.35	Sharon	09/16-'14	Third Angle Projection		Drawing No.	2SAT-022-R5S-0N	REV	E
	.XX	~	±0.25	Approval By		Date					
	.XXX	~	±0.15	Jason	09/18-'14						
	Angle	~	± 3°								