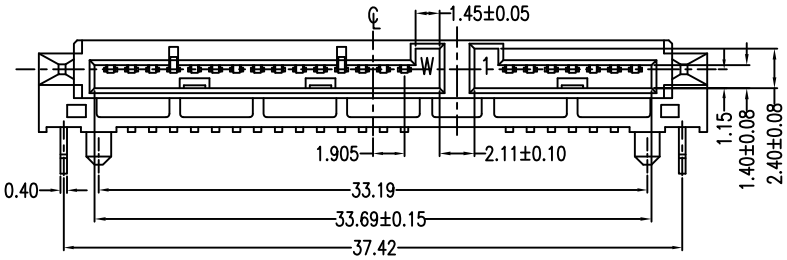
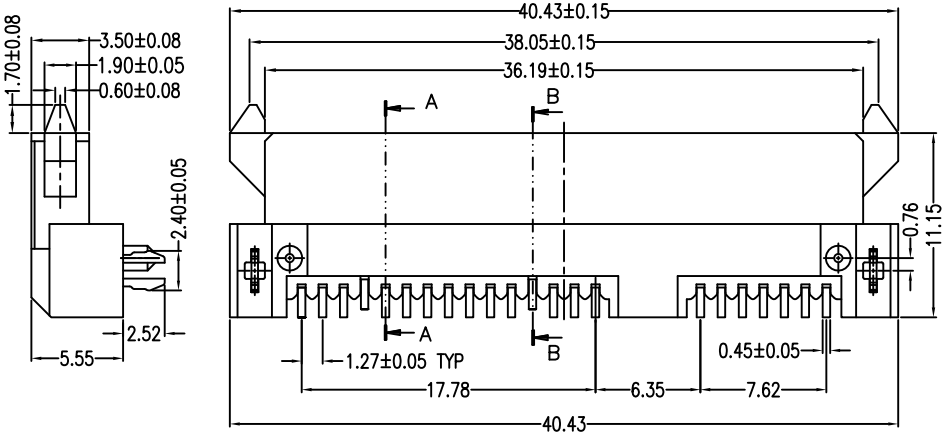
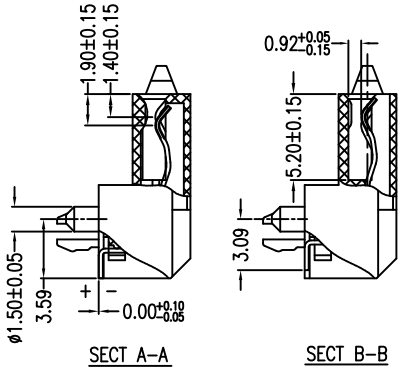
REV.	ECN.NO.	DATE
A	RELEASED	12/10/08
B	change harpoon	04/07/09
C	Add CAV No.	02/14/12

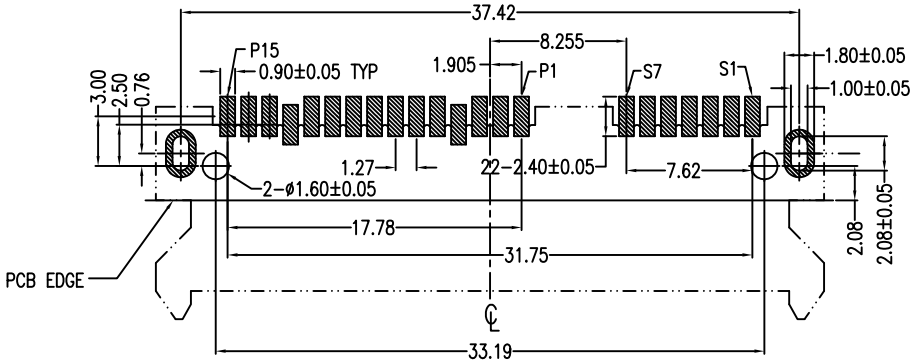


Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A−
S4	GND
S5	B−
S6	B+
S7	GND

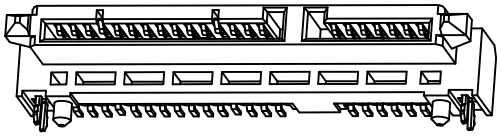
Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		







P.C.B LAYOUT(T=1.00mm/1.20mm/1.60mm)
Component Side



NOTES:

*Material

Housing: LCP+50%GF, 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(40u"Min)

*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:

2SAT−022−R5S−0K

- R5S: Selective Au: F:Flash 5:15u"
- 022: NO. Of Contacts(7+15)
- 2SAT: Series No.

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

Drawing By	Data
May	02/14−'12
Reviewed By	Data
Sharon	02/14−'12
Approval By	Data
Jason	02/14−'12

SINGATRON U.S.A.

Date	02/14/12	Title	SATA 7+15P 90° Female SMT Type (H=5.55)		
Sheet	1 of 1				
Third Angle Projection		Drawing No.	2SAT-022-R5S-0K	REV	C