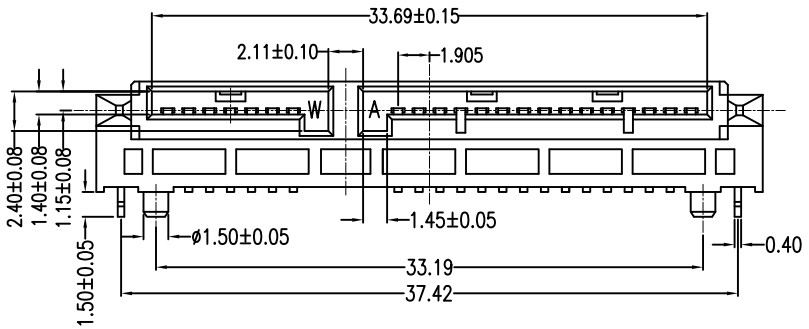
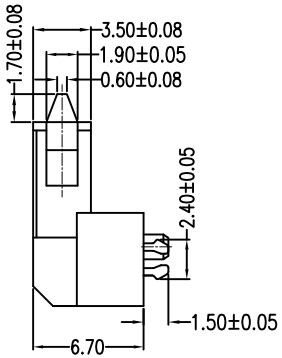
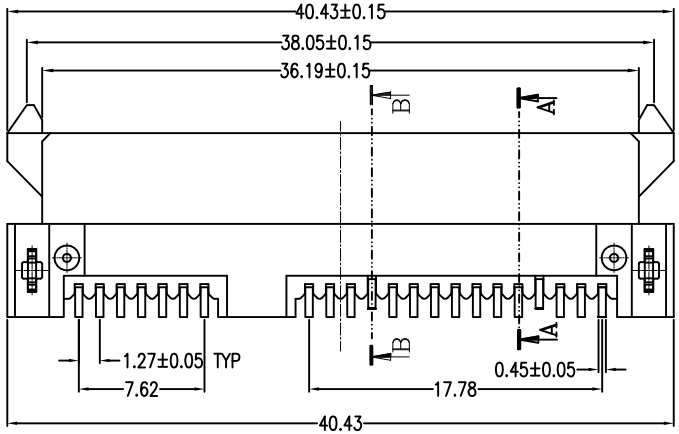
REV.	ECN.NO.	DATE
A	RELEASED	08/10/09
B	Change The Harpoon	02/14/12
C	Modify Drawing	05/21/13

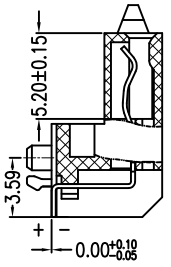


Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A−
S4	GND
S5	B−
S6	B+
S7	GND

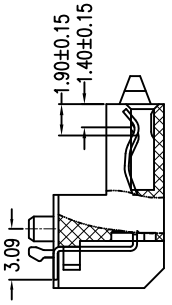
Power Segment			
Name	Type	Name	Type
P1	V3.3	P9	V5
P2	V3.3	P10	GND
P3	V3.3	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



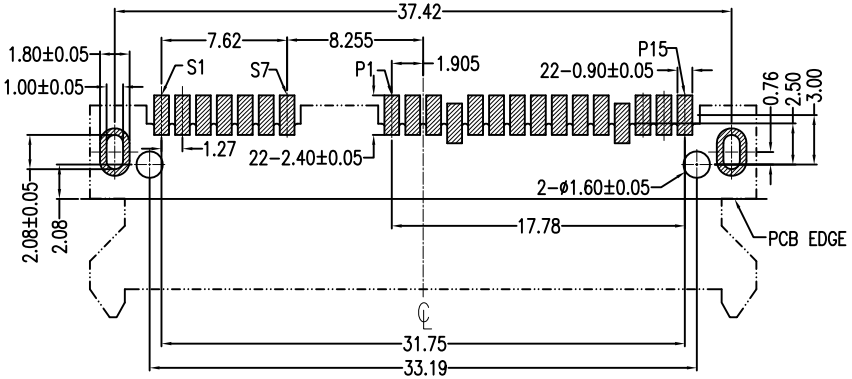




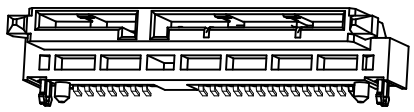
SECT A–A



SECT B–B



P.C.B LAYOUT(T=1.60)
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(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: 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−0M

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

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

Drawing By	Date
May	05/27− '13
Reviewed By	Date
Sharon	05/27− '13
Approval By	Date
Jason	05/27− '13

SINGATRON U.S.A.

Date	05/21/13	Title	SATA 7+15P Under Board SMT Type Female (Post length 1.50)		
Sheet	1 of 1				
Third Angle Projection		Drawing No.	2SAT−022−R5S−0M	REV	C