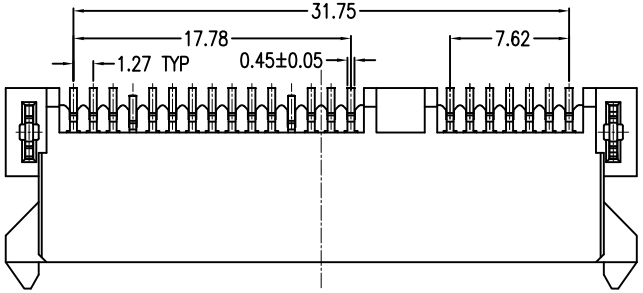
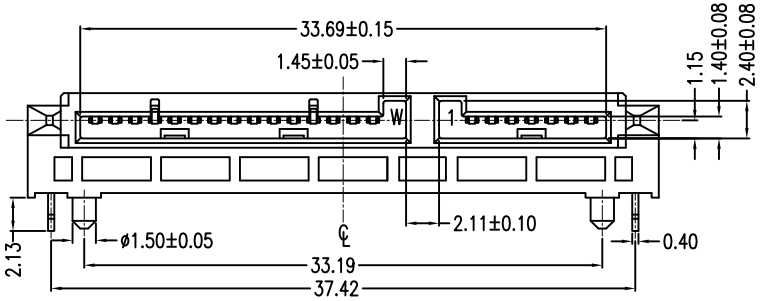
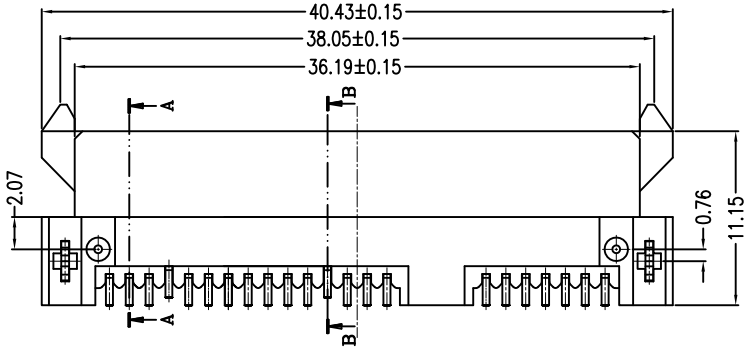
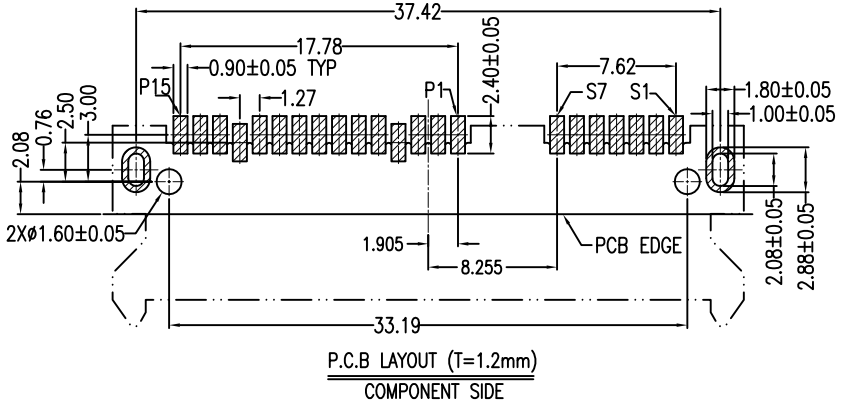
REV.	ECN.NO.	DATE
A	RELEASED	04/14/03
F	Change Harpoon and notes	01/09-'12
G	Change Housing and Notes	12/12-'12





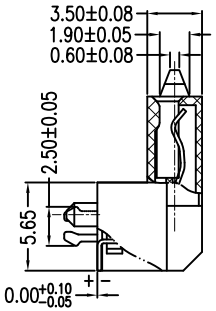




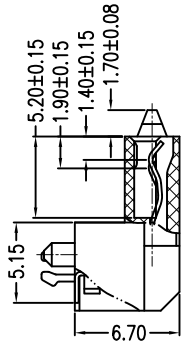
P.C.B LAYOUT (T=1.2mm)
COMPONENT SIDE

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

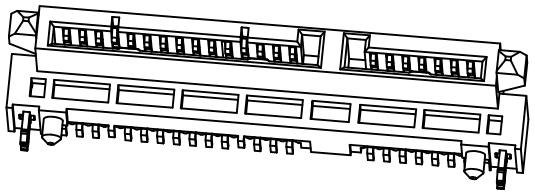
Power Segment	
Name	Type
P1	V33
P2	V33
P3	V33
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/DSS
P12	GND
P13	V12
P14	V12
P15	V12



SECT A-A



SECT B-B



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-05

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

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

Drawing By	Date
May	12/12-'12
Reviewed By	Date
Sharon	12/12-'12
Approval By	Date
Jason	12/12-'12

SINGATRON U.S.A.

Date	12/12-'12
Sheet	1 of 1
Third Angle Projection	
Title	SATA 7+15 90° SMT Type (Female)
Drawing No.	2SAT-022-R5S-05
REV	G