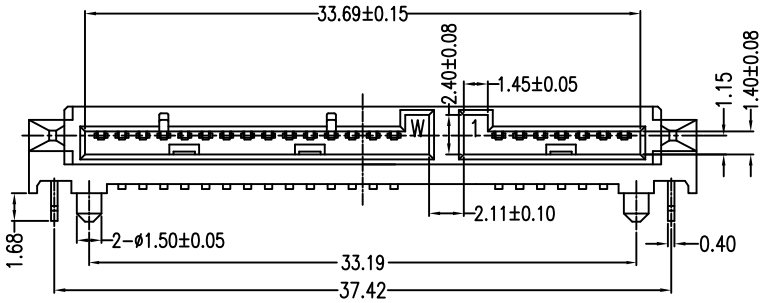
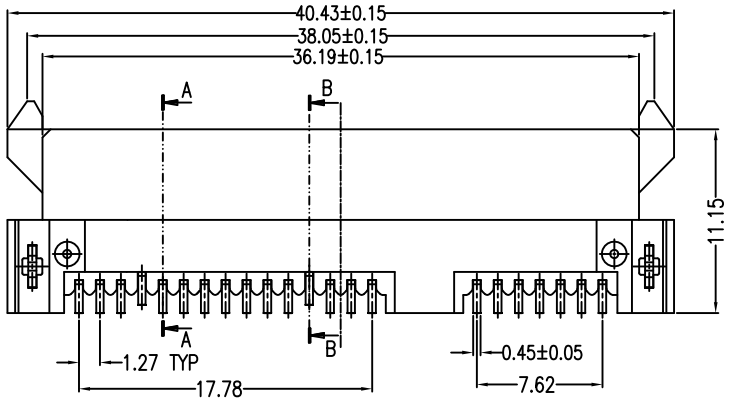
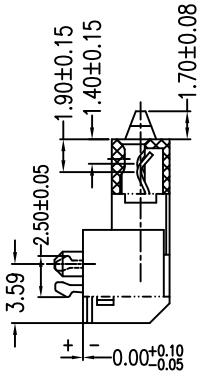
REV.	ECN.NO.	DATE
A	RELEASED	04/23/08
C	Change Notes	10/07-'11
D	Change Harpoon and notes	01/09/12



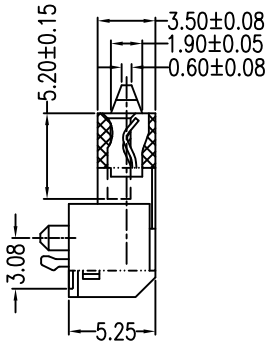
Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

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		

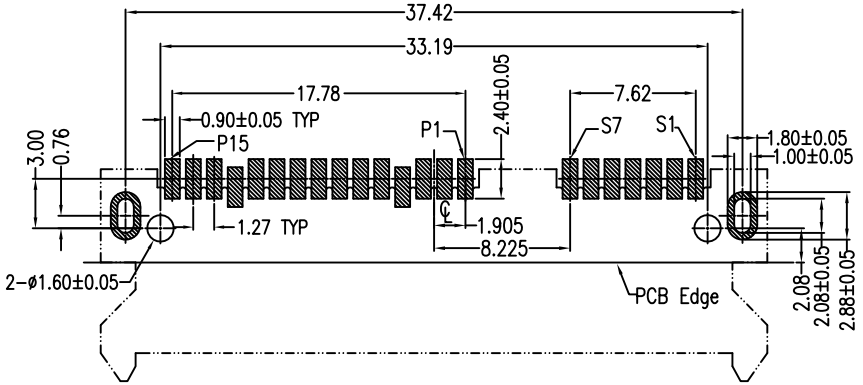




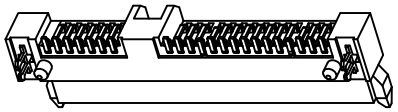
SECTION A-A



SECTION B-B



P.C.B LAYOUT (T=1.20)
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: 500 V AC

*Environmental

Operating Temperature: -55°C to +85°C

*How to order:

2SAT-022-R5S-0H

- Selective Au: F:Flash 5:15u"
- NO. of Contacts
- 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	01/09/12
Reviewed By	Data
Sharon	01/09/12
Approval By	Data
Jason	01/10/12

SINGATRON U.S.A.

Date	01/09/12	Title	Serial ATA 7+15P SMT Female (H=5.25)	
Sheet	1 of 1			
Third Angle Projection		Drawing No.	2SAT-022-R5S-0H	REV D