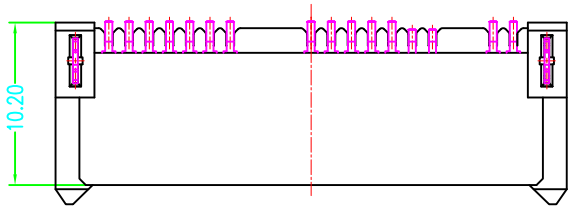
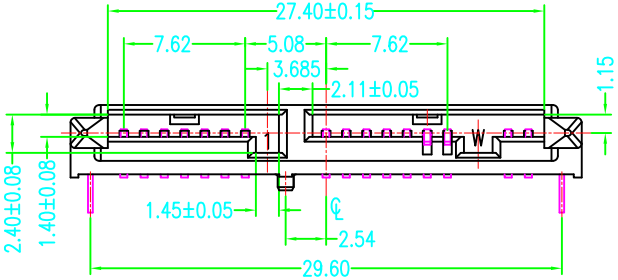
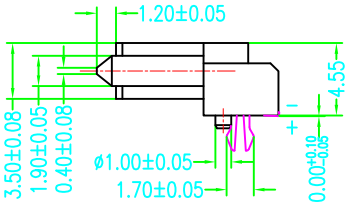
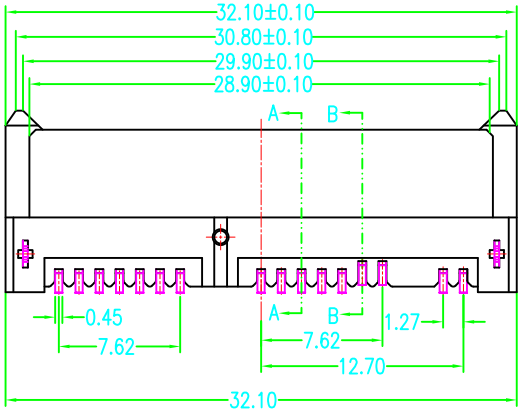
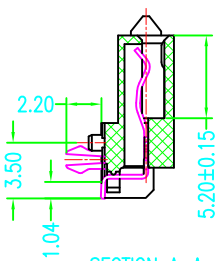
REV.	ECN.NO.	DATE
A	RELEASED	04/14/09



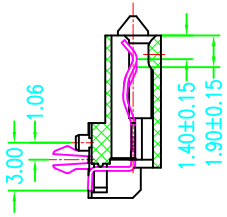




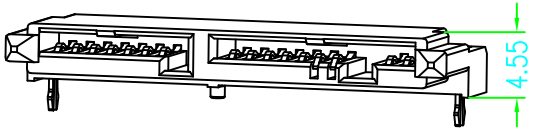


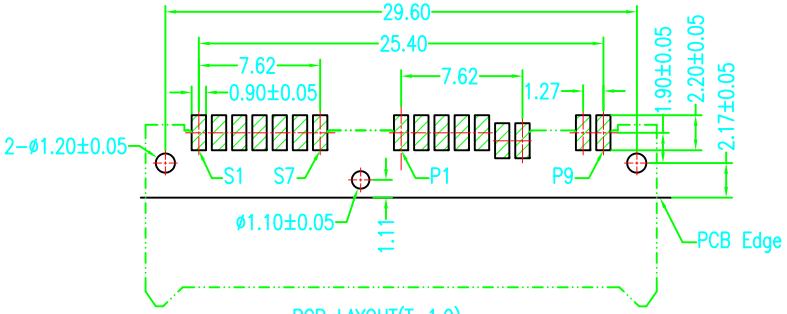


SECTION A–A



SECTION B–B





PCB LAYOUT(T=1.0)
TOP VIEW

Pin Number	Signal Name
S1	GND
S2	RX+
S3	RX−
S4	GND
S5	TX−
S6	TX+
S7	GND

Pin Number	Power Line Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5.5V
P6	+5.5V
P7	DAS/DSS
P8	Optional
P9	Optional

NOTES:

*Material
Housing: LCP, UL 94V–0 rated, Color: Black;
Contact:Phosphor Brass;
Plating: Gold plating over Nickel on contact area; Tin plating on solder tail.

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

*Electrical Specification
Current Rating: 1.5 Ampere per contact;
Contact Resistance: 30 Milliohms max.
Insulation Resistance: 1000 megohms min.
Dielectric Withstanding Voltage: 500 V AC.

*Environmental
Operating Temperature: −55°C to +85°C

*How to Order:
HSAT−F16−R5S−00
- Selective Gold: F:Flash,5:15u",3:30u"
- NO. of Contacts
- SATA Series

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

Drawing By	WHL	Data 04/14−'09
Reviewed By	ZYZ	Data 04/14−'09
Approval By	Richard	Data 04/16−'09

益 富 科 技 有 限 公 司
TEL: 886-3-5511680 FAX: 886-3-5511605

Date	04/14/09
Sheet	1 of 1
Third Angle Projection	
Title	Micro SATA 7+7+2P Reverse SMT Type Female(4.55)
Drawing No.	HSAT−F16−R5S−00
REV	A