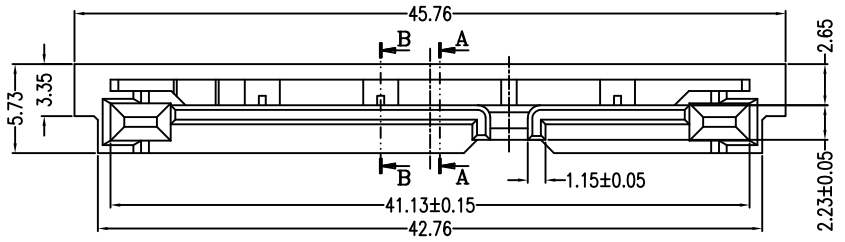
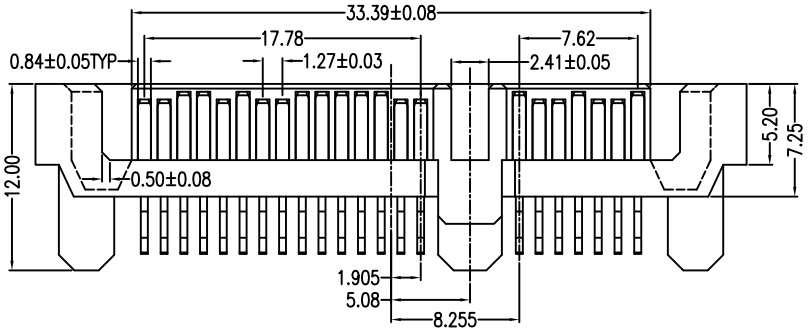
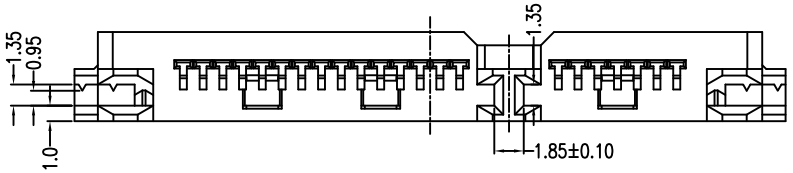
REV.	ECN.NO.	DATE
A	RELEASED	11/13–'02
G	add Tray package	08/02–'11
H	Cancel the glass fiber	10/15–'13

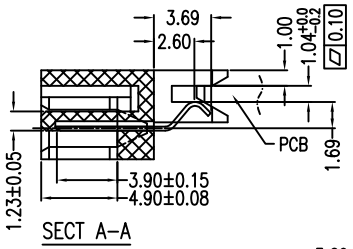
Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A–
S4	GND
S5	B–
S6	B+
S7	GND

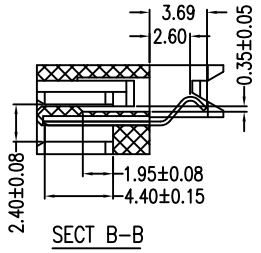
Power Segment	
Name	Type
P1	V3.3
P2	V3.3
P3	V3.3
P4	GND
P5	GND
P6	GND
P7	V5
P8	V5
P9	V5
P10	GND
P11	DAS/DSS
P12	GND
P13	V12
P14	V12
P15	V12

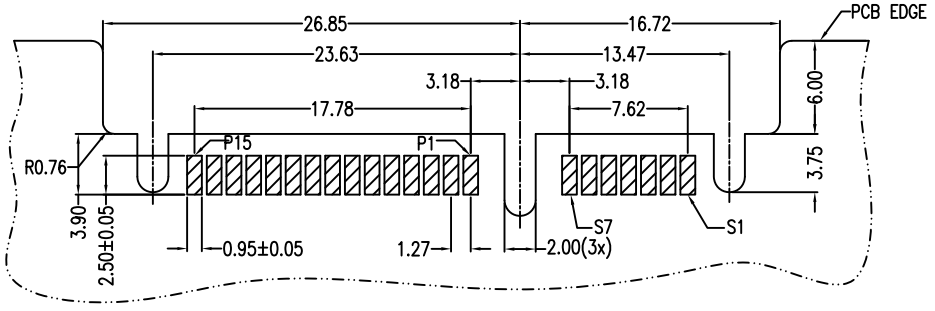


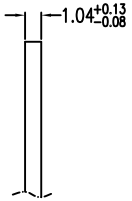


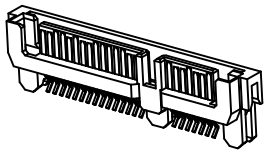












P.C.B. LAYOUT(T=1.04mm)
COMPONENT SIDE

Notes:

***Mateial**
Housing: LCP UL94 V–0; Color: Black
Contact: Brass
Plating: Au plating on contact area;
Sn(100u" Min.)plating on Solder Tail,
Ni(40u" Min.) underplating overall.

***Mechanical**
Insertion Force: 45N Max.
Withdrawal Force: 10N Min.
Durability: 500 cycles

***Electrical Specification**
Current Rating: 1.5 Ampere per contact
Contact Resistance: 30mΩ Max.
Insulation Resistance: 1000MΩ Min.
Dielectric Withstanding Voltage: 500V AC

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

***How to order:**

HSAT–M22–R5M–10
- R5M: Gold: F:Flash; 5:15u"
- M22: Number of contacts
- HSAT: Serial ATA Series

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

Drawing By	Jack	Date 11/15–'13
Reviewed By	Sharon	Date 11/15–'13
Approval By	Jason	Date 11/15–'13

益富科技有限公司
TEL: 886-3-5511680 FAX: 886-3-5511605

Date	10/15–'13
Sheet	1 of 1
Third Angle Projection	
Title	Serial ATA 7+15 Pins Straddle Male
Drawing No.	HSAT–M22–R5M–10
REV	H