

REV.	ECN NO.	DATE
A	RELEASED	05/03-'11
D	Cancel the glass fiber	10/15-'13
E	Change VIEW	01/13-'14

NOTES:

*Material

Housing: LCP UL 94V-0 rated, Color: Black;
Contact: Brass;
Plating: Au Plating on contact area
Sn(100u"Min) plating on contact 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: 30mΩ max.
Insulation Resistance: 1000MΩ min.
Dielectric Withstanding Voltage: 500 V AC.

*Environmental

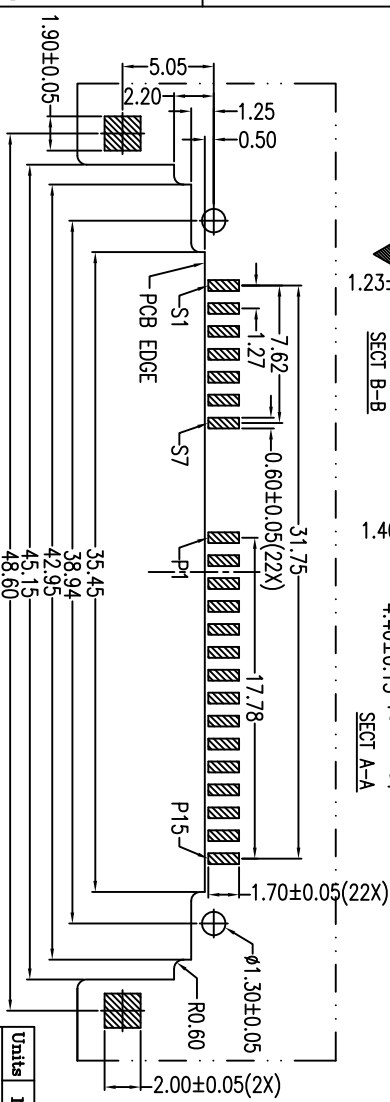
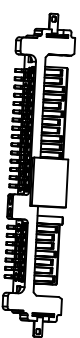
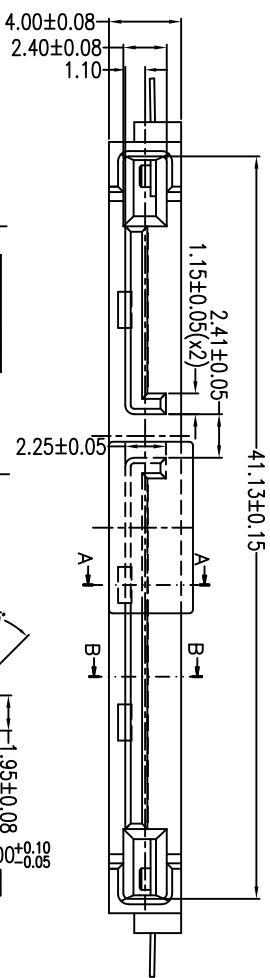
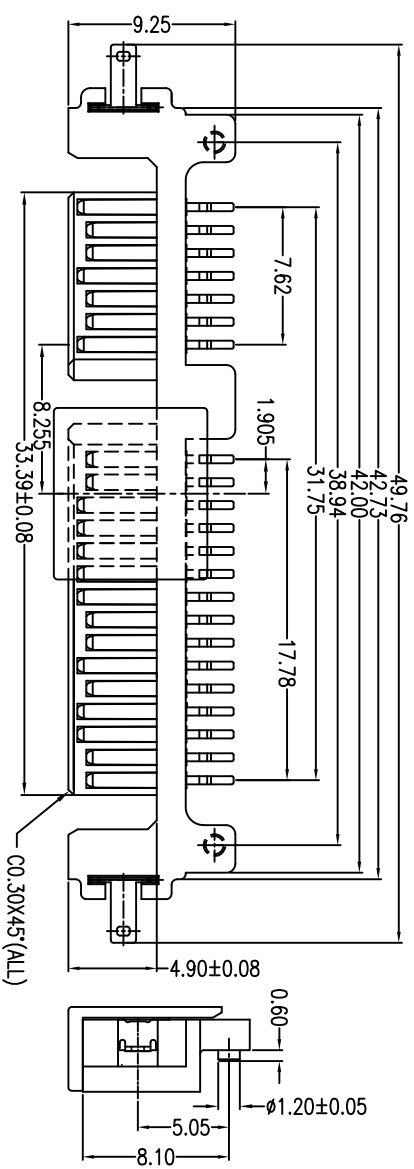
Operating Temperature: -55°C to +85°C

*How to order

HSAT-M22-R5S-10R
Au F:>0.8u" 5:15u"
Number of Contacts
Series No.

Power Segment	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

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



PCB LAYOUT(L=1.60)
COMPONENT SIDE

Units	mm	Scale	2:1
Tolerance Unless Otherwise Specified			
.X	±	0.38	
.XX	±	0.25	
.XXX	±	0.20	
Angle	±	3°	
Drawing By	Ares	Date	01/13-'14
Reviewed By	Sharon	Date	01/16-'14
Approval By	Jason	Date	01/16-'14
益富科技有限公司		TEL: 886-3-5511660 FAX: 886-3-5511605	
Date	01/13-'14	Title	Serial ATA 7+15P SMT (Reverse)
Sheet	1 of 1	Subside (Type)	Male(4.00)
Third Angle Projection		Drawing No.	HSAT-M22-R5S-10R
		REV	E