

REV.	ECN.NO.	DATE
A	RELEASED	06/08-'03
H	Modify Notes	11/13-'19
I	1.Delete Stop Production Spec 2.Modify plating specifications	06/15-'20

**NOTES:**

**\*Material:**

Housing: LCP UL 94V-0 Rated, Color:Black;  
 Contact: Brass;  
 Plating: Au Plating on contact area,  
 Sn(100u" Min.) plating on solder tail,  
 Ni(50u" Min.) underplating overall.  
 Harpoon: Brass  
 Plating: Sn(100u" Min.) Plating On Solder Tail;  
 Ni(50u" 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.

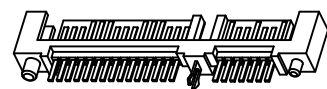
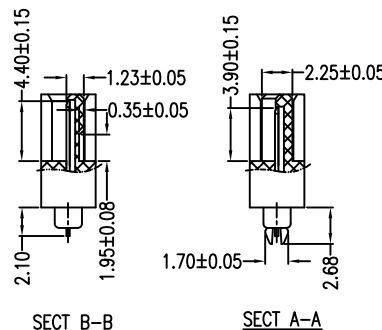
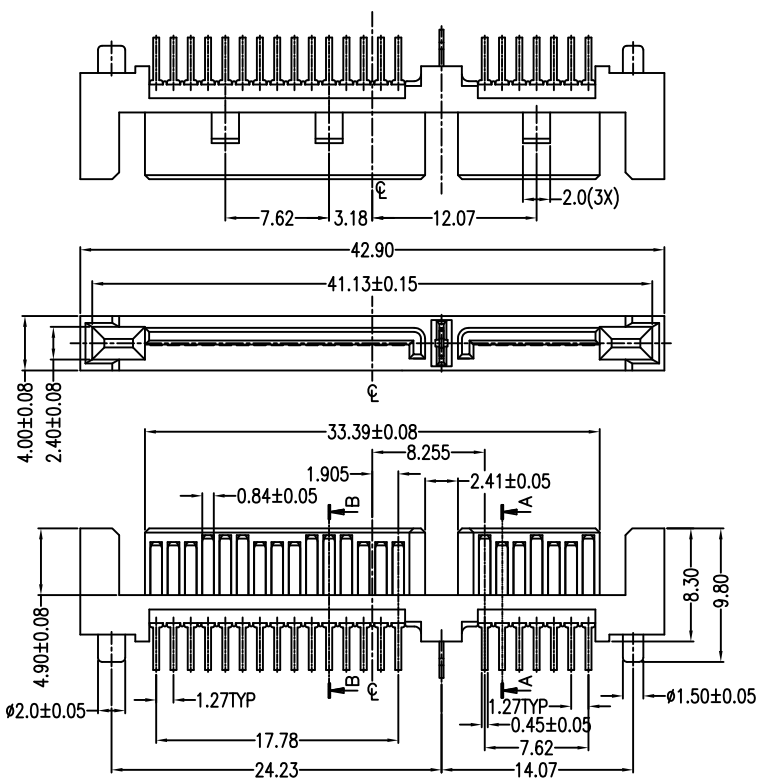
**\*Environmental:**

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

**\*How to Order:**

2SAT-M22-V5D-00  
 Au F:>0.8u"; 5:15u"  
 NO. of Contacts(7+15)  
 Serial ATA CONNECTOR

Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V3.3	P9	V5
S2	A+	P2	V3.3	P10	GND
S3	A-	P3	V3.3	P11	DAS/DSS
S4	GND	P4	GND	P12	GND
S5	B-	P5	GND	P13	V12
S6	B+	P6	GND	P14	V12
S7	GND	P7	V5	P15	V12
		P8	V5		



P.C.B LAYOUT(T=1.60mm)  
COMPONENT SIDE

Singatron Enterprise Co., Ltd.

Tolerance Unless Otherwise Specified	TITLE	SATA 7+15P MALE DIP Type		
.X ~ ±0.35	DWN	06/15-'20	PART NO. 2SAT-M22-V5D-00	
.XX ~ ±0.25	CHKD	SHARON	SCALE 1:1	UNIT: mm
.XXX ~ ±0.15	APVD	JASON	SIZE: A3	SHEET: 1 OF 1
Angle ~ ± 3°	CUSTOMER COPY			