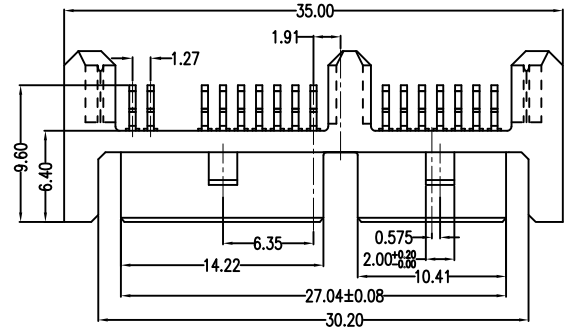


REV.	ECN.NO.	DATE
A	RELEASED	09/30/08
D	Modify Notes	10/16/13
E	Modify Size Tolerance	07/30-'14



Pin Number	Signal Name	Description
S1	GND	Differential Signal
S2	A+	
S3	A-	Differential Signal
S4	GND	
S5	B-	Differential Signal
S6	B+	
S7	GND	

Pin Number	Power Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5V
P6	+5V
P7	Reserved
P8	Optional
P9	Optional

NOTES:

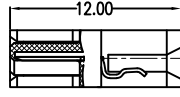
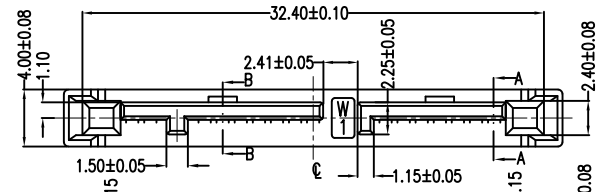
***Material**
Housing: LCP, UL 94V-0 rated, Color: Black;
Contact: Brass;
Plating: Au Plating On Contact Area;
Sn(100u" Min.) Plating On Solder Tail;
Ni(50u" Min.) Underplating Overall

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

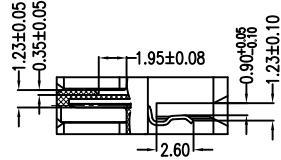
***Electrical Specification**
Current Rating: 1.5 Ampere per contact;
Contact Resistance: 30 Milliohms max.
Insulation Resistance: 1000 megohms min.
Dielectric Withstanding Voltage: 500 V AC.

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

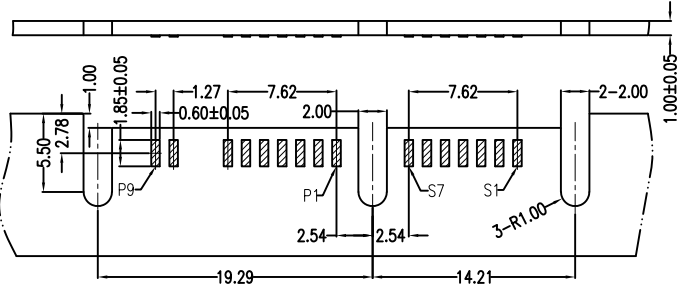
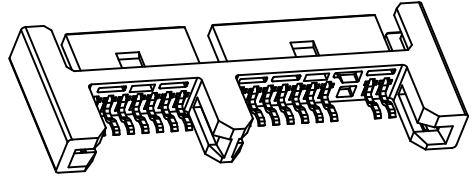
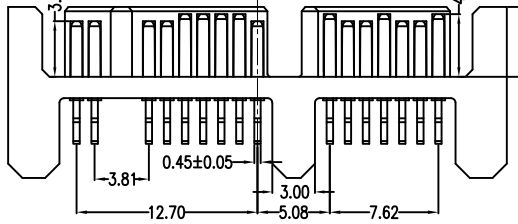
***How to Order:**
2SAT-M16-R5M-20
— M: Straddle
— Au: F:>0.8u", 5:15u", 3:30u"
— NO. of Contacts
— Series No.



Section:A-A



Section:B-B



RECOMMENDED PCB LAYOUT

Singatron Enterprise Co., Ltd.

Tolerance Unless Otherwise Specified	TITLE	Micro SATA 7+7+2P Straddle Male(6.4)		
.X ± 0.35	DWN	XHQ 07/30-'14	PART NO. 2SAT-M16-R5M-20	
.XX ± 0.25	CHKD	Blue 08/01-'14	SCALE 1:1	UNIT: mm
.XXX ± 0.15	APVD	Richard 08/07-'14	SIZE: A3	SHEET: 1 OF 1
Angle ± 3°	REV: E			

CUSTOMER COPY