

REV.	ECN.NO.	DATE
A	RELEASED	04/14-'09
C	Correct ingress dimensions	08/15-'19
D	Modify Signal Name	11/05-'19

NOTES:

***Material**

Housing: LCP, UL 94V-0 rated, Color: Black;
 Contact: Phosphor Bronze;
 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: 30 Milliohms max.
 Insulation Resistance: 1000 megohms min.
 Dielectric Withstanding Voltage: 500 V AC.

***Environmental**

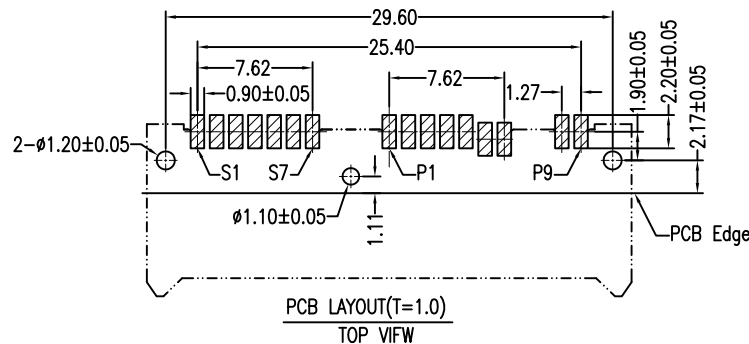
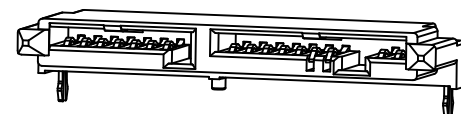
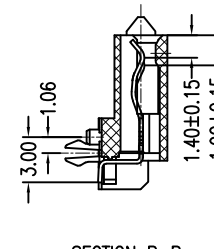
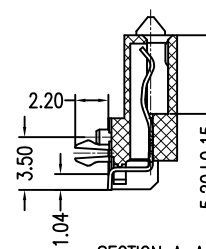
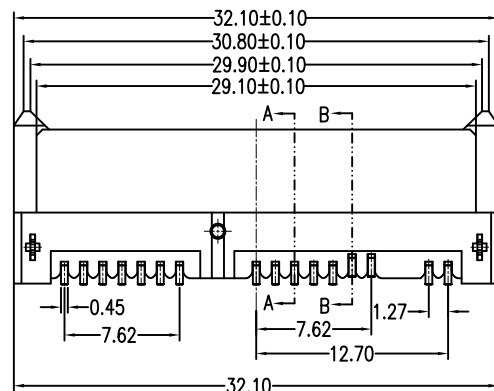
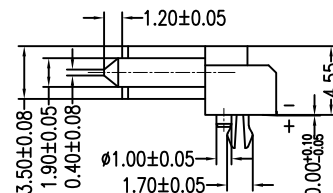
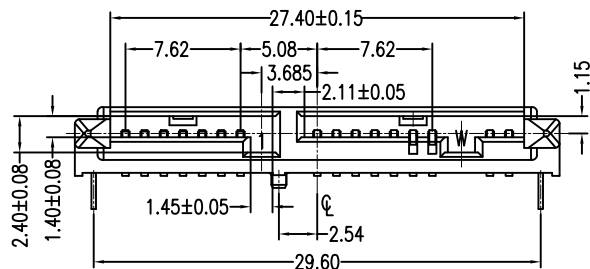
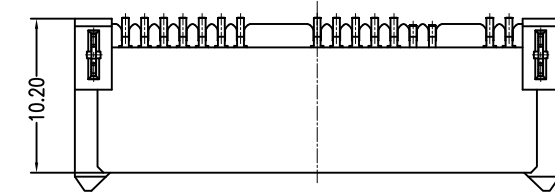
Operating Temperature: -55°C to +85°C

***How to Order:**

2SAT-F16-R5S-00
 Au F:>0.8u"; 5:15u"
 NO. of Contacts
 Series No.

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



Tolerance Unless Otherwise Specified	
.X	±0.35
.XX	±0.25
.XXX	±0.15
Angle	± 3°

Singatron Enterprise Co., Ltd.			
TITLE	Micro SATA 7+7+2P Reverse SMT Type Female(4.55)		
DWN	Rainy 11/05-'19	PART NO. 2SAT-F16-R5S-00	
CHKD	Sharon 11/06-'19	SCALE 1:1	UNIT: mm
APVD	Jagon 11/13-'19	SIZE: A3	SHEET: 1 OF 1 REV: D
CUSTOMER COPY			