

Pin Number	Signal Name	Description
S1	GND	
S2	A+	Differential Signal
S3	A-	
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

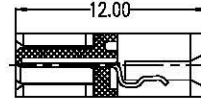
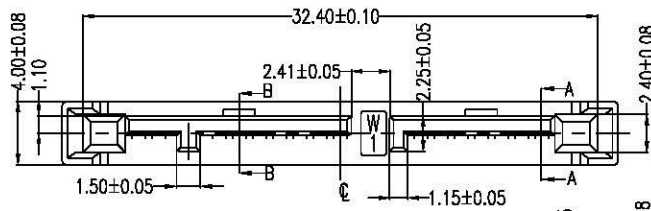
**NOTES:**

- Material:**  
Housing: LCP+50%G.F, UL 94V-0 Rated.  
Color: Black.  
Contact: Brass.  
Plating: Gold Plating over Nickel on Contact Area.  
Tin Plating on Solder Tail.

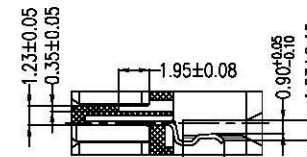
- Mechanical:**  
Insertion Force: 45N Max.  
Withdrawal Force: 10N Min.  
Durability: 500 Cycles

- Electrical Specification:**  
Operation Voltage: 100VAC Max.  
Current Rating: 1.5 Ampere per Contact.  
Contact Resistance: 30mΩ Max.  
Insulation Resistance: 1000MΩ Min.  
Dielectric Withstanding Voltage: 500 VAC.

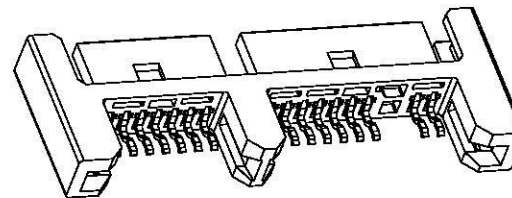
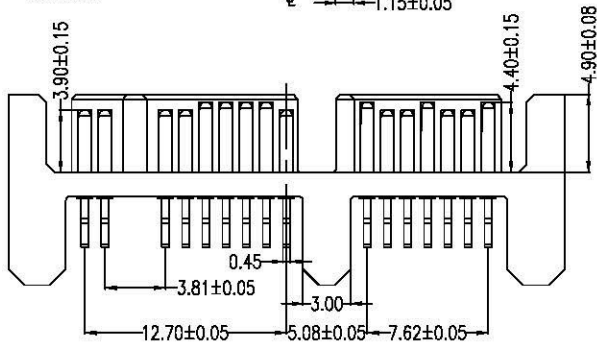
- Environmental:**  
Operating Temperature: -55°C to +85°C



Section:A-A



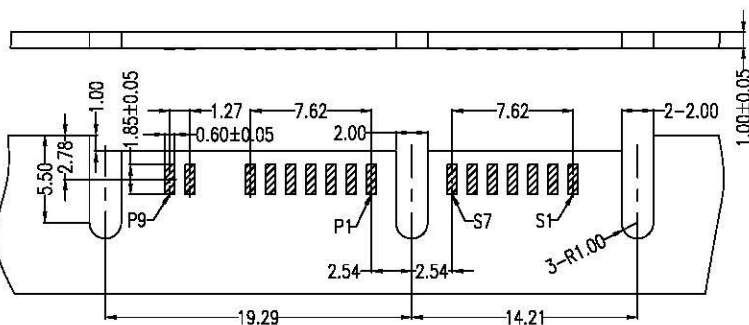
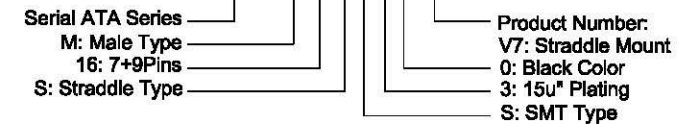
Section:B-B



Product 3D

**Part Number:**

**CSAT-M16SS30-V7**



RECOMMENDED PCB LAYOUT

A	06/01/09	RELEASED FOR PRODUCTION		DESCRIPTION	
REV	DATE	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MM. TOLERANCES ARE:		APPROVALS		DATE	
DECIMALS		CHRIS	06/01/09	www.allconnectors.com	
ANGLES		CHDY	08/01/09	info@allconnectors.com	
X ± .38		APPV		Tel: 0049 711 7002800	
.XX ± .25		JASON		06/01/09	
.XXX ± .20		SHEET		1 OF 1	
DO NOT SCALE DRAWING		SCALE		NONE	
		DWG. NO.		CSAT-M16-V07	
		REV.		A	

**Micro SATA 7+9P, Male, Straddle Type, SMT, 15U" Plating**

**CSAT-M16-V07**