

Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V33	P9	V5
S2	A+	P2	V33	P10	GND
S3	A-	P3	V33	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		

**NOTES:**

**1. Material:**

Housing: LCP+50%G.F, UL 94V-0 rated.  
 Color: Black.  
 Contact: Phosphor Bronze.  
 Plating: Gold Plating over Nickel on Contact Area.  
 Tin Plating on Solder tail.  
 Harpoon: Brass.  
 Plating: Tin Plating over Nickel.

**2. Mechanical:**

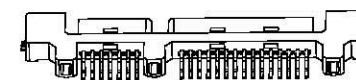
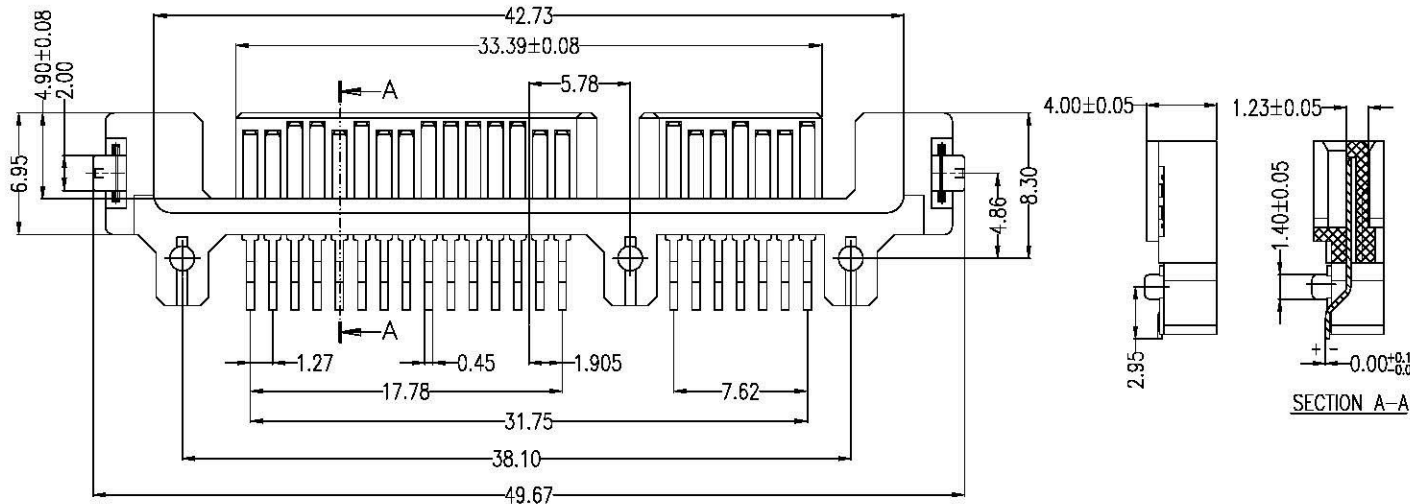
Insertion Force: 45N Max.  
 Withdrawal Force: 10N Min.  
 Durability: 500 cycles

**3. Electrical Specification:**

Current Rating: 1.5 Ampere per Contact.  
 Contact Resistance: 30mΩ Max.  
 Insulation Resistance: 1000MΩ Min.  
 Dielectric Withstanding Voltage: 500 VAC.

**4. Environmental:**

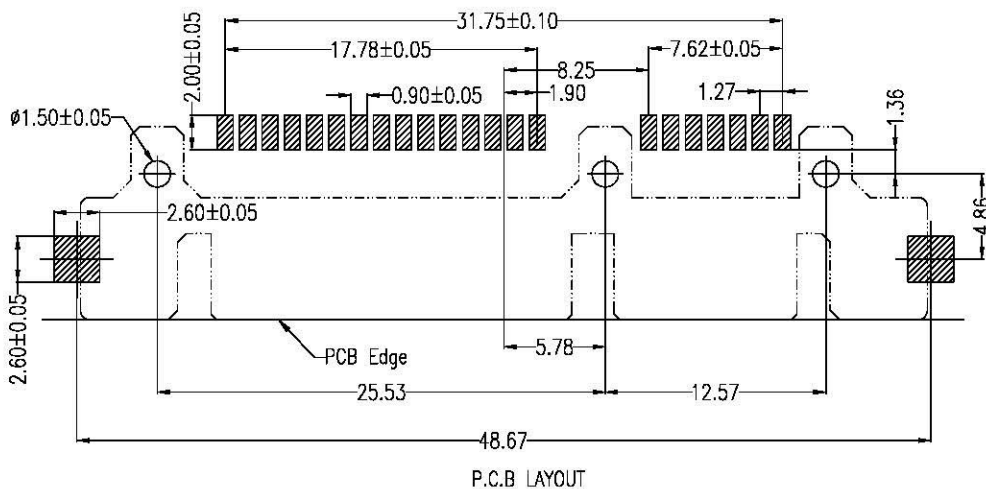
Operating Temperature: -55°C to +85°C



**Part Number:**

**CSAT-M221S 30-S6**

Serial ATA Series  
 M: Male Type  
 22: 7+15Pins  
 1: Subside Type  
 6: H=4.0mm High  
 S: Standard Type  
 0: Black Color  
 3: 15u" Plating  
 S: SMT Type



A	05/06/09	RELEASED FOR PRODUCTION	
REV	DATE	DESCRIPTION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM TOLERANCES ARE:			
DECIMALS	ANGLES	APPROVALS	DATE
X ± .38	± 3°	DRAWN Chris	05/06/09
.XX ± .25		CHECKED Cindy	05/06/09
.XXX ± .20		APPV Jason	05/06/09
DO NOT SCALE DRAWING	SHEET 1 OF 1	SCALE NONE	DWG. NO. CSAT-M22-0C6
		www.allconnectors.de Tel.: 0049 711 7009503 70744 Filderstadt, Germany info@allconnectors.de Fax: 0049 711 7009504 Kettnerstr. 25	
		DESCRIPTION <b>Serial ATA 7+15P, Male, Subside Type</b> <b>Standard, SMT, H:4.0mm High</b>	
			REV. A