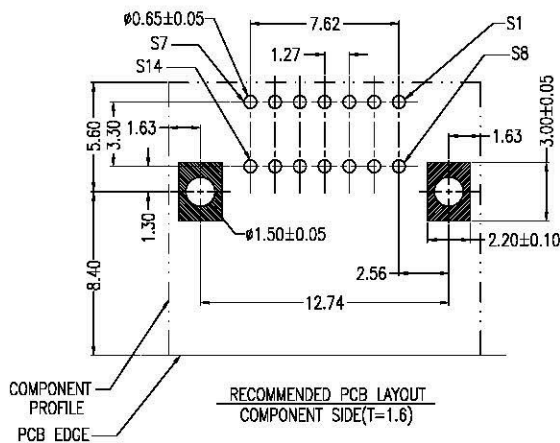


SECT A-A

SECT B-B



RECOMMENDED PCB LAYOUT  
COMPONENT SIDE(T=1.6)

Signal Segment

Top Port		Bottom Port	
Name	Type	Name	Type
S1	GND	S8	GND
S2	A+	S9	A+
S3	A-	S10	A-
S4	GND	S11	GND
S5	B-	S12	B-
S6	B+	S13	B+
S7	GND	S14	GND

**NOTES:**

**1. Material:**

Housing: Nylon46+30% G.F., UL 94V-0 rated.  
Color: Black.  
Contact: Brass  
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:**

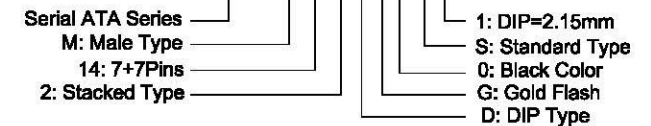
Operation Voltage: 100VAC Max.  
Current Rating: 1.5 Ampere per Contact.  
Contact Resistance: 30mΩ Max.  
Insulation Resistance: 1000MΩ Min.  
Dielectric Withstanding Voltage: 500 VAC.

**4. Environmental:**

Operating Temperature: -55°C to +85°C

**Part Number:**

**CSAT-M142DG0-S1**



A	01/14/10	RELEASED FOR PRODUCTION	
REV	DATE	DESCRIPTION	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MM TOLERANCES ARE:		<p>www.allconnectors.de Tel: 0049 711 700503 20764 Gladbeck - Germany</p> <p>info@allconnectors.de Tel: 0049 711 700501 Kulturstr. 55</p>	
DECIMALS	ANGLES		
X ± .38	± 3°		
.XX ± .25			
.XXX ± .20		<p>DESCRIPTION <b>Serial ATA, 7+7P, Male, Shrouded, Stacked Type</b> <b>DIP Type 2.15mm, Gold Flash, Black Color</b></p>	
DO NOT SCALE DRAWING	SHEET 1 OF 1	SCALE NONE	DWG. NO. <b>CSAT-M14-0S1</b> REV. <b>A</b>