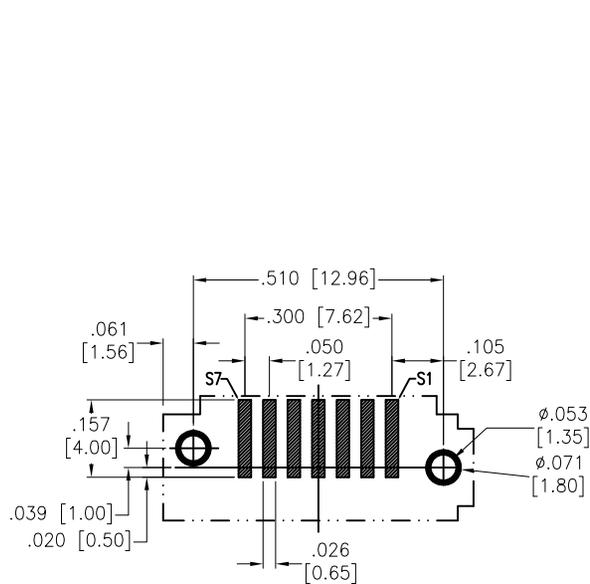
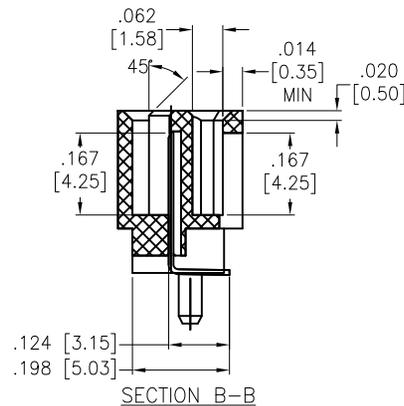
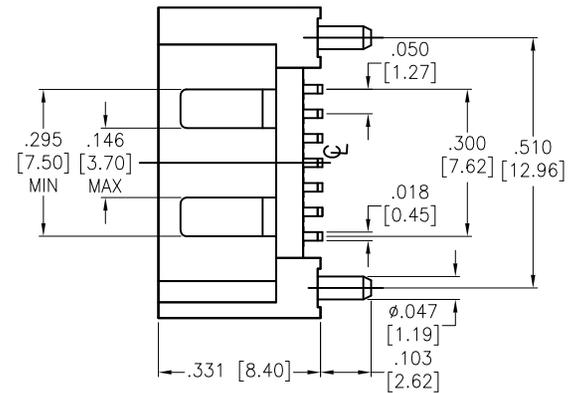
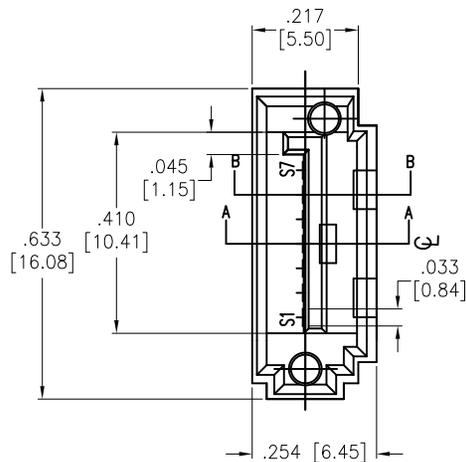


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

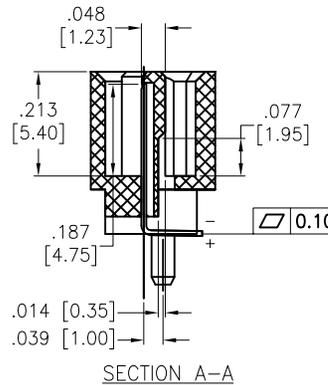
Rev	AWO #	Description	Date	Appr
-		Released	10/24/07	SS
A		REVISED SHAPE & DIM.	11/14/12	
B		UPDATED DRAWING	8/22/16	HR/CH
C		UPDATED DRAWING	11/18/20	OW/TY



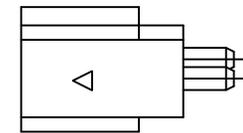
RECOMMENDED PCB LAYOUT



SECTION B-B



SECTION A-A



Signal Name	Segment Type
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

**SPECIFICATIONS:**

**Material:**  
 Insulator: Hi-Temp Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Brass  
 Board lock: Brass, Tin plated

**Plating:**  
 Gold Flash over Nickel underplate on mating area,  
 Tin over Nickel underplate on tails

**Electrical:**  
 Current rating: 1.5 Ampere per contact  
 Operation voltage: 15V DC max  
 Contact resistance: 30 mohms max.  
 Insulation resistance: 1,000 Mohms min  
 Dielectric withstanding voltage: 500 VAC

**Mechanical:**  
 Insertion force: 45N max  
 Withdrawal force: 10N min  
 Durability: 500 cycles  
 Temperature Rating:  
 Operating temperature: -55°C to +85°C  
 Environmental:  
 Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS ARE INCHES [MM]  
 TOLERANCES: EXCEPT AS NOTED

INCHES	HOLES
.X ± .10	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010

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 Phone: 908-687-5000  
 Fax: 908-687-5710

APPROVALS		DATE
DRAWN	SHIREN	10/24/07
CHECKED	SS	10/25/07
APPROVED	SS	10/25/07

TITLE		
SATA 7P STRAIGHT DIP B TYPE SHIELD ROUNDED COPPER POLE(THROUGH TYPE) MALE		
SIZE	PART NO.	REV.
X	SATA-P-PR-SMT	C
REF: S00078T	SCALE: NTS	SHEET 1 OF 1