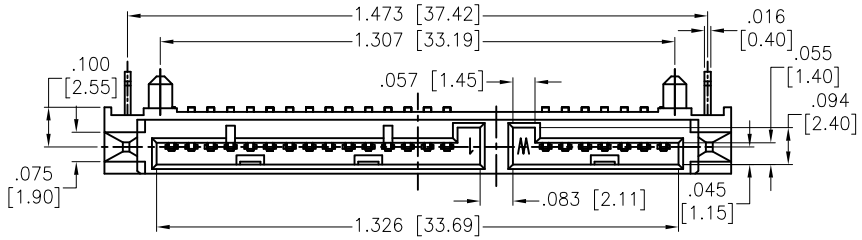
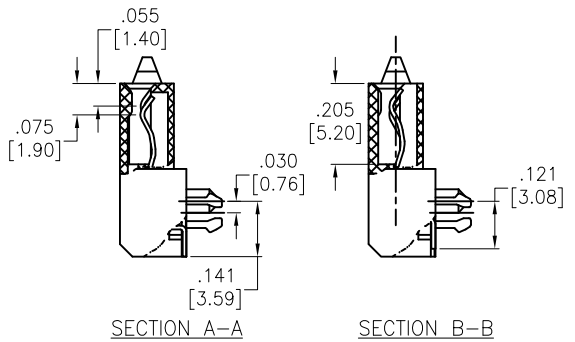
APPROVED: _____

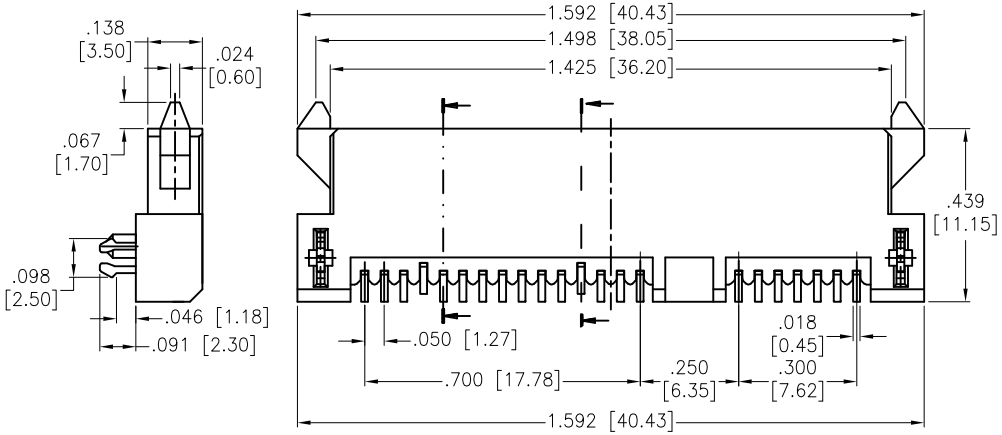
DATE: _____ TITLE: _____

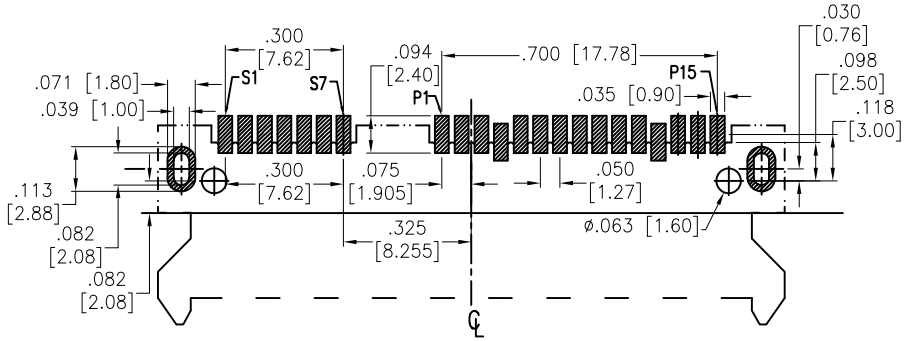
Rev	AWO #	Description	Date	Appr
-	7992	RELEASED	7/31/07	
A		REDRAWN	08/21/12	





SECTION A–A SECTION B–B

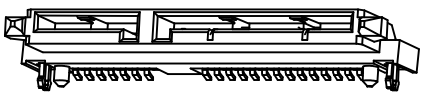




RECOMMENDED PCB LAYOUT

SPECIFICATIONS:
Material:
Insulator: Hi–Temp Thermoplastic, rated UL 94V–0
Insulator color: Black
Contacts: Phosphor Bronze
Plating:
Gold Flash over Nickel underplate on contact area,
Tin over Copper underplate on solder tails
Electrical:
Current rating: 1.5 Amps max
Contact resistance: 30 mohms max
Insulation resistance: 1,000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 500 VAC for 1 minute
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

RoHS COMPLIANT



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

Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		

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

APPROVALS		DATE
DRAWN	SS	7/31/07
CHECKED		
APPROVED		

ADAM TECH
909 Rahway Avenue, Union, NJ 07083
Phone: 908-687-5000 Fax: 908-687-5710

TITLE: SATA CONNECTOR, 7P + 15P, 90°, REVERSE SURFACE MOUNT FEMALE

SIZE	PART NO.	REV.
X	SATA-G2-PM-SMT-RT	A

REF: S00078T | SCALE: NTS | SHEET 1 OF 1