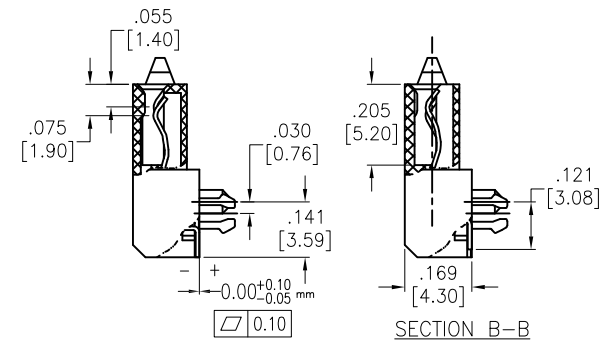
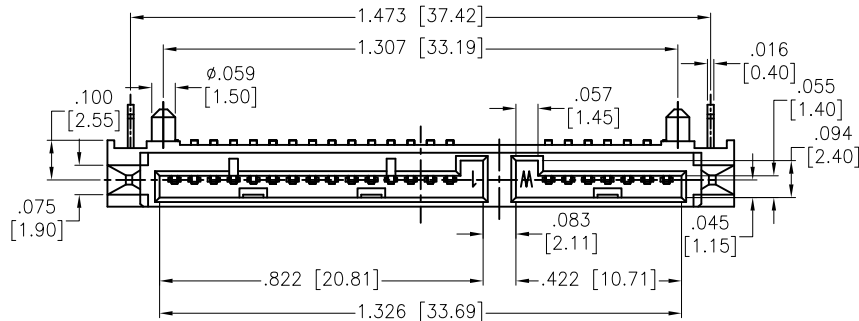
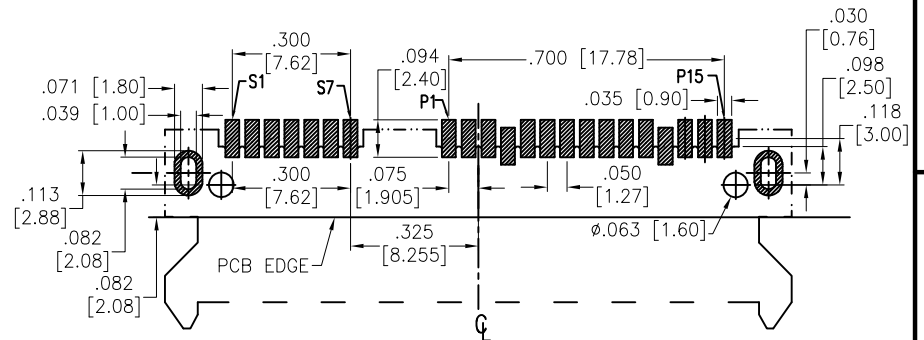


APPROVED: _____
DATE: _____ TITLE: _____

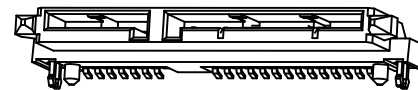
Rev	AWO #	Description	Date	Appr
-	7992	RELEASED	7/31/07	
A		REDRAWN	08/21/12	
B		ADDED DIM. & SPEC.	9/9/19	AY/KL



SECTION A-A



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Phosphor Bronze

Harpoon: Brass, Tin plated

Plating:

Gold Flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Current rating: 1.5 Amp per contact

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



Signal Segment		Power Segment			
Name	Type	Name	Type	Name	Type
S1	GND	P1	V3.3	P9	V5
S2	A+	P2	V3.3	P10	GND
S3	A-	P3	V3.3	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		

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

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

SIZE	PART NO.	REV.
X	SATA-G2-PM-SMT-RT	B
REF:	S00078T	SCALE: NTS
		SHEET 1 OF 1