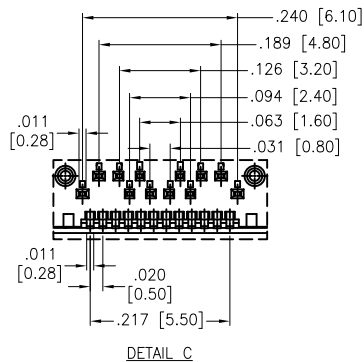


APPROVED: _____

DATE: _____ TITLE: _____

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V _{bus}	First	B9	V _{bus}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{bus}	First	B4	V _{bus}	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	



SPECIFICATIONS:

Material:

Insulator: Hi-temp thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Copper Alloy

Shell: Stainless Steel, Nickel plated

Plating:

Gold flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails.

Electrical:

Current rating: 3 A for Vbus PIN

1.25 A for Vconn PIN

Contact resistance: 40 mohms max. (initial)

50 mohms max. (after test) @ 20 mV, 100 mA

Insulation resistance: 100 Mohms min.

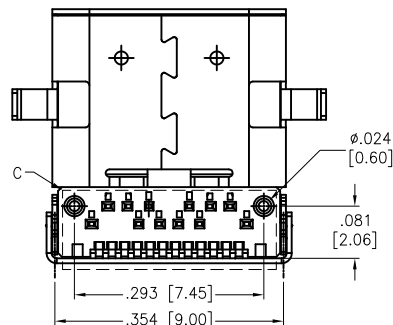
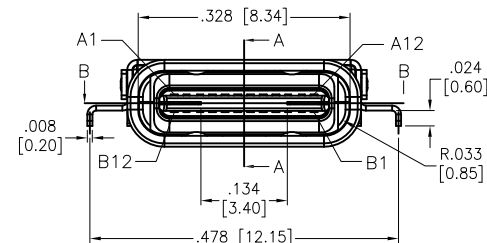
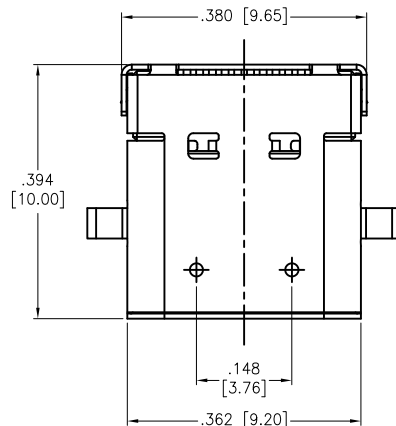
Dielectric withstanding: 100 VAC RMS

Temperature Rating:

Operating temperature: -40°C to +85°C

Environmental:

Lead free, RoHS compliant.



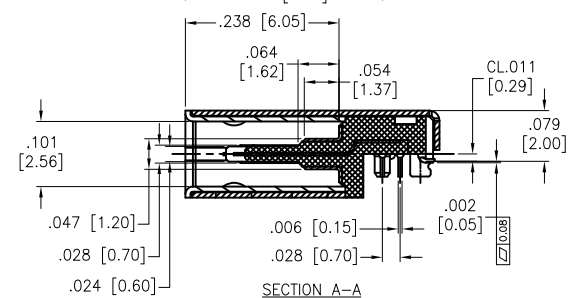
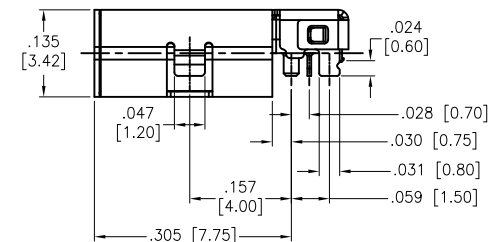
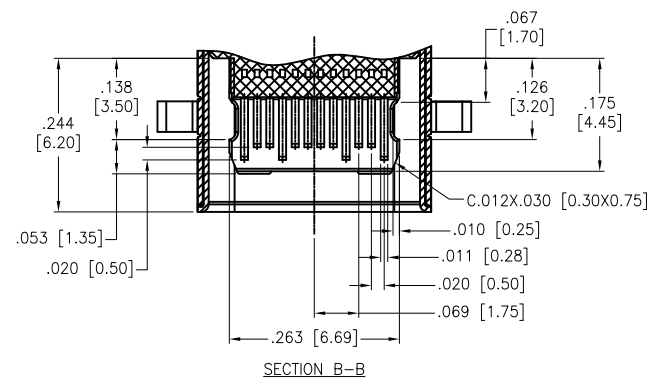
PACKAGED ON TAPE & REEL

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

DRAWN	HR	12/12/14
CHECKED	TW	12/12/14
APPROVED		

Rev	AWO #	Description	Date	Appr
-		RELEASED	12/12/14	
A		UPDATED SPEC.	2/13/17	HR/JL
B		ADDED DIM. & UPDATED LAYOUT	2/15/17	HR/OC



ADAM TECH

909 Rahway Avenue, Union, NJ 07083

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

TITLE UNIVERSAL SERIAL BUS, TYPE C, FEMALE,
SMT TYPE, EDGE HANG, BLACK INSULATOR

SIZE X	PART NO. USB-C31-S-RA-EH2.0-BK-T/R	REV. B
REF: S00097C	SCALE: NTS	SHEET 1 OF 2

6

5

4

3

2

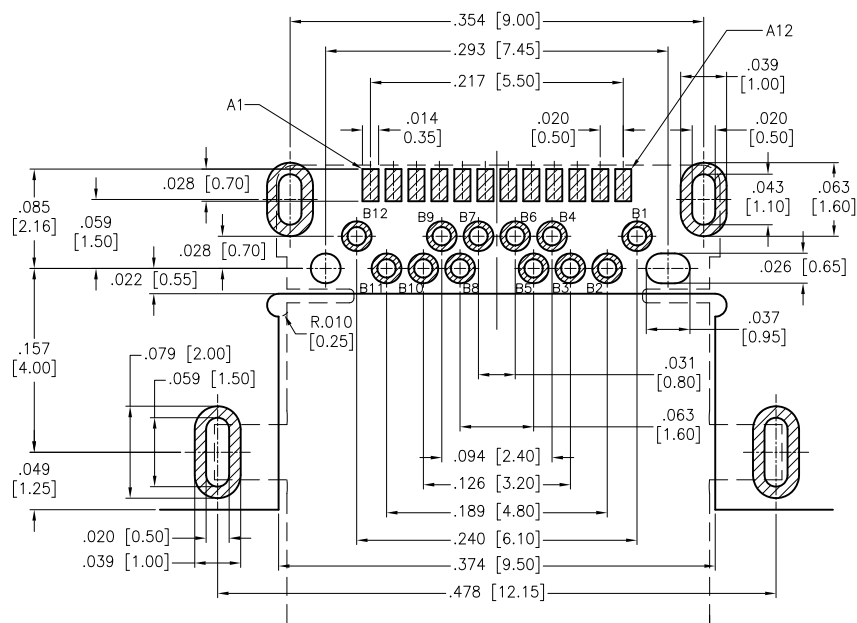
1

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
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SEE SHT 1 OF 2 FOR REVISION



RECOMMENDED PCB LAYOUT

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

HR

12/12/14

CHECKED

TW

12/12/14

APPROVED

ADAM TECH

909 Rahway Avenue, Union, NJ 07083

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

TITLE
UNIVERSAL SERIAL BUS, TYPE C, FEMALE,
RIGHT ANGLE, EDGE HANG, BLACK INSULATOR

SIZE

X

PART NO.

USB-C31-S-RA-EH2.0-BK-T/R

REV.

B

REF: S00097C

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

2

1