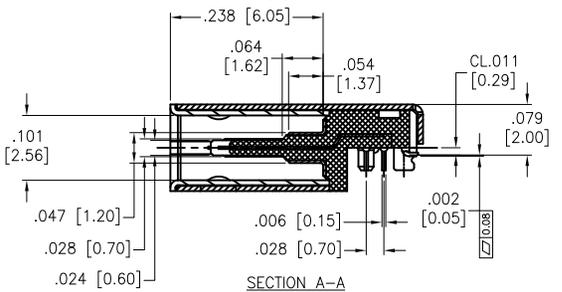
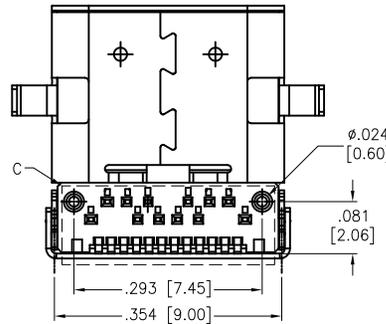
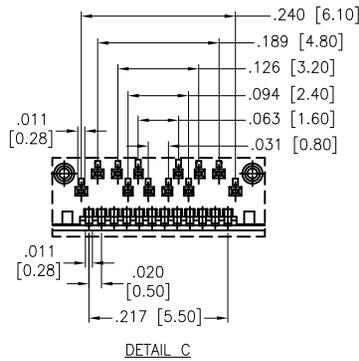
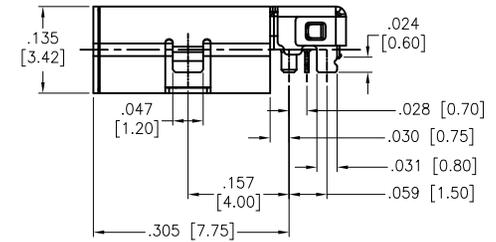
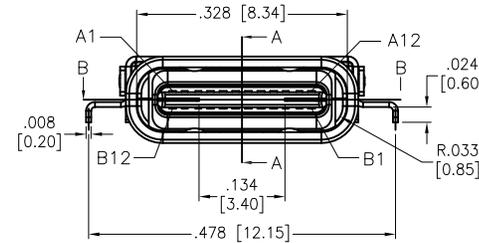
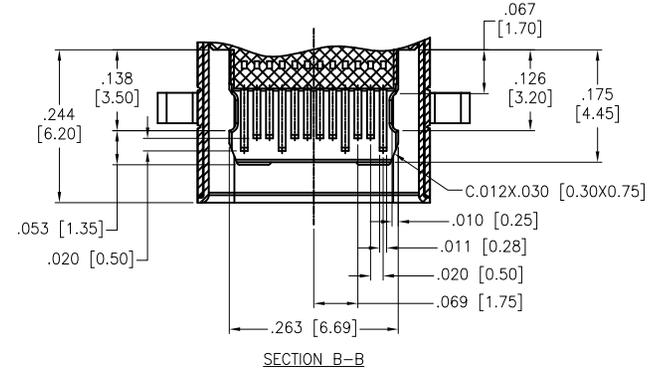
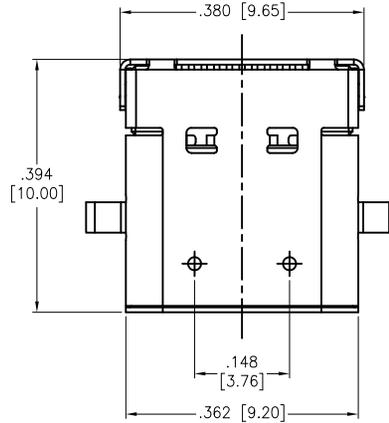


APPROVED: _____
 DATE: _____ TITLE: _____

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

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: Blue
 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 V_{bus} PIN
 1.25 A for V_{conn} 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	∅.X ± .10	TITLE UNIVERSAL SERIAL BUS, TYPE C, FEMALE, SMT TYPE, EDGE HANG, BLACK INSULATOR	
.XX ± .020	∅.XX ± .015		
.XXX ± .015	∅.XXX ± .010		
APPROVALS		DATE	
DRAWN	HR	12/12/14	
CHECKED	TW	12/12/14	
APPROVED			
SIZE X	PART NO. USB-C31-S-RA-EH2.0-T/R	REV. B	
REF: S00097C	SCALE: NTS	SHEET 1 OF 2	

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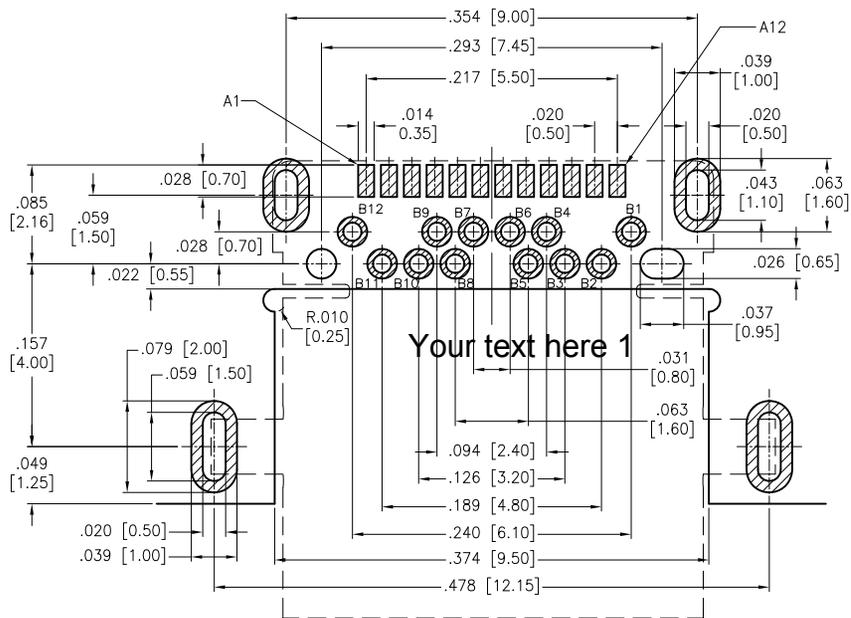
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APPROVED: _____

DATE: _____ TITLE: _____

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



Your text here 1

RECOMMENDED PCB LAYOUT

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

.X	± .10	∅X	± .10
.XX	± .020	∅.XX	± .015
.XXX	± .015	∅.XXX	± .010



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

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

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

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