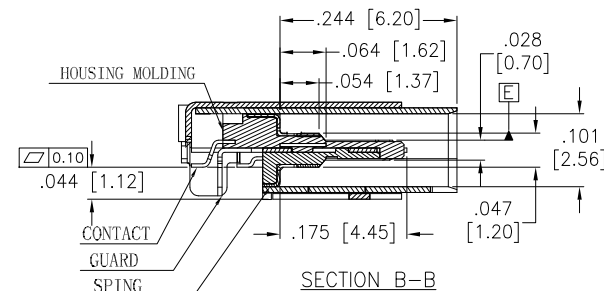
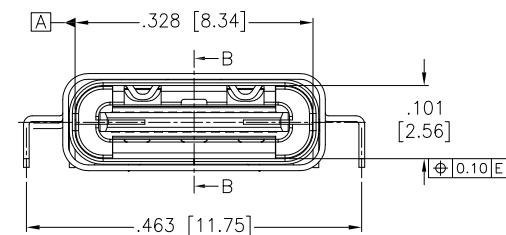
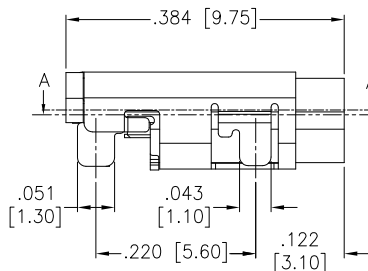
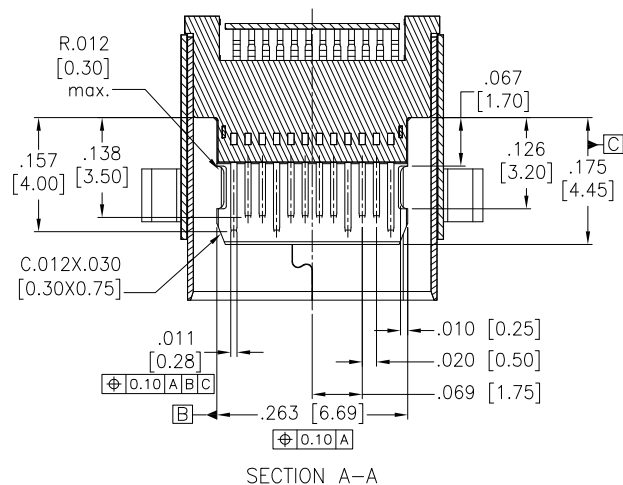
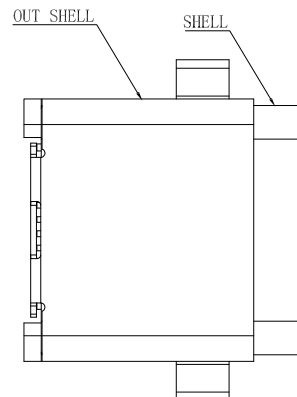


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		PRELIMINARY	8/24/15	
A		RELEASED	8/27/15	HR/AC
B		UPDATED SPEC.	6/17/16	HR/MW



SPECIFICATIONS:
Material:
Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Copper Alloy
Shell: Stainless Steel
Guard: Stainless Steel
Spring: Stainless Steel
Plating:
Gold flash over Nickel underplate overall
Electrical:
Voltage rating: 100 VAC
Contact resistance: 40 mohms max
Insulation resistance: 100 Mohms min.
Mechanical:
Insertion force: 5~20N
Withdrawal force: 8~20N
After 10,000 cycles
Environmental:
Lead free, RoHS compliant.

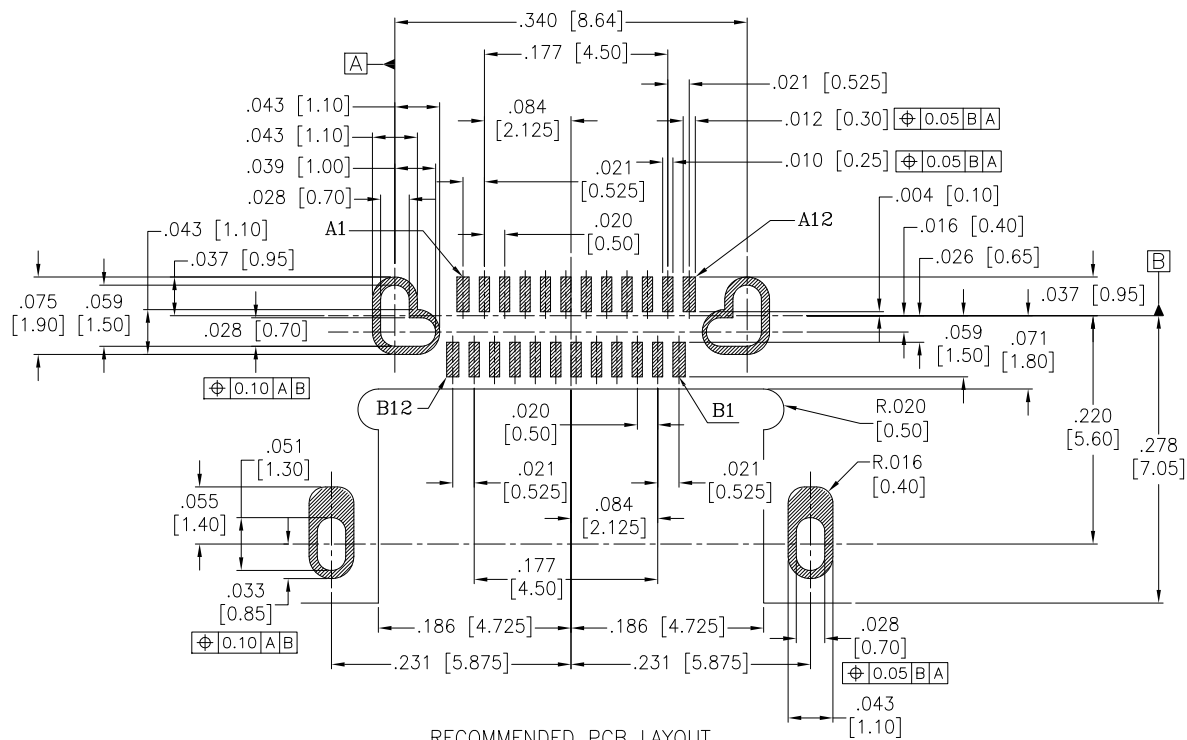


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED INCHES HOLES .X ± .10 Ø.X ± .10 .XX ± .020 Ø.XX ± .015 .XXX ± .015 Ø.XXX ± .010			ADAM TECH 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710		
APPROVALS			TITLE		
DATE			UNIVERSAL SERIAL BUS, TYPE C, FEMALE, SMT TYPE, EDGE HANG, BLACK INSULATOR		
DRAWN	HR	8/24/15	SIZE	PART NO.	REV.
CHECKED	AC	8/24/15	X	USB-C31-S-RA-EH-SMT-BK	B
APPROVED			REF: S00108C	SCALE: NTS	SHEET 1 OF 2

APPROVED: _____

DATE: _____ TITLE: _____

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



RECOMMENDED PCB LAYOUT

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use(SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuration Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

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	8/24/15
CHECKED	AC	8/24/15
APPROVED		

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
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SIZE X	PART NO. USB-C31-S-RA-EH-SMT-BK	REV. B
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REF: S00108C	SCALE: NTS	SHEET 2 OF 2
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