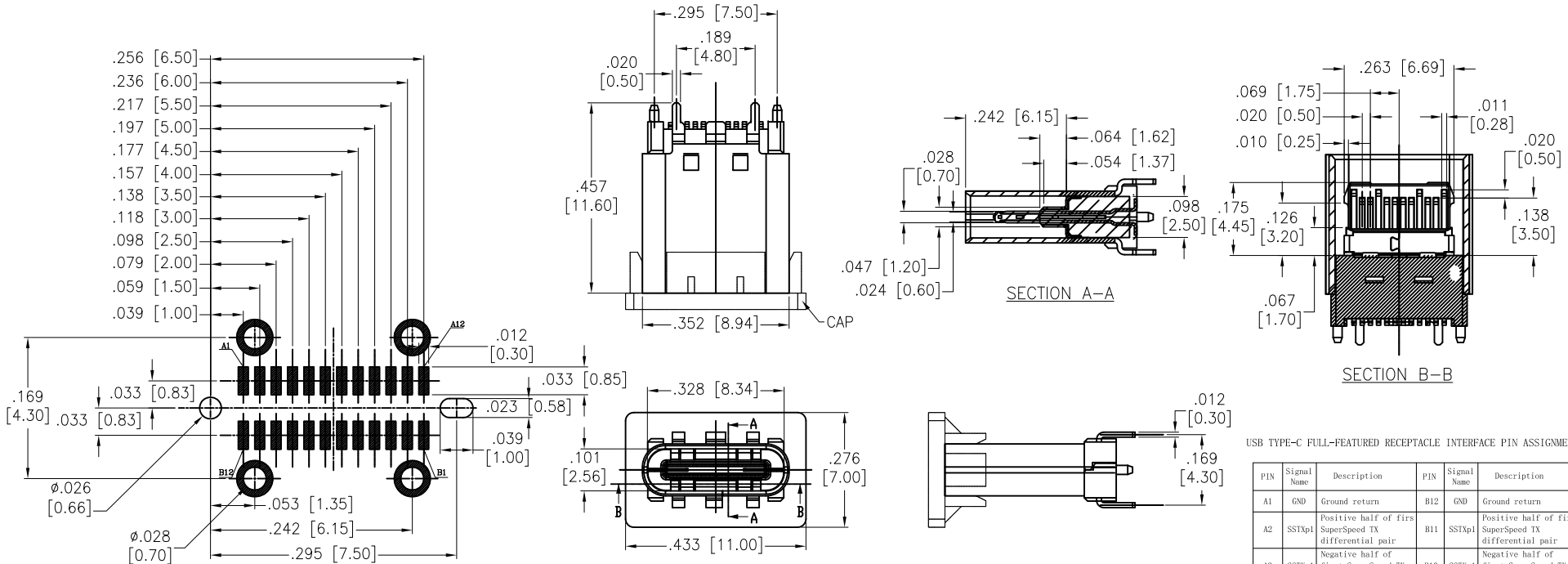


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/8/16	

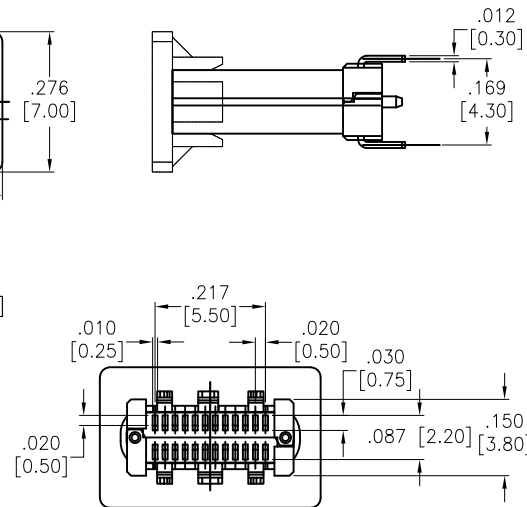
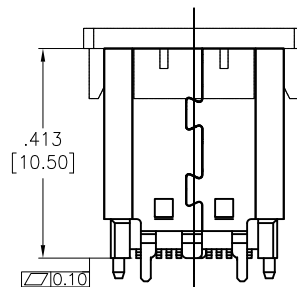


RECOMMENDED PCB LAYOUT

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:
Voltage: 5 VAC max
Current: 5 A min for Vbus
0.25 A min for Other
Contact resistance: 40 mohms max
Insulation resistance: 100 Mohms min.
Dielectric withstanding: 100 VAC
Mechanical:
Insertion force: 5~20N
Withdrawal force: 8~20N
Temperature Rating:
Operating temperature: -55°C to +85°C
Environmental:
Lead free, RoHS compliant.



PACKAGED ON TAPE & REEL

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	SSTxp1	Positive half of first SuperSpeed TX differential pair
A3	SSTxn1	Negative half of first SuperSpeed TX differential pair	B10	SSTxn1	Negative half of first SuperSpeed TX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	CC1	Configuration Channel
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dp1	Positive half of the USB 2.0 differential pair-Position 1
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dn1	Negative half of the USB 2.0 differential pair-Position 1
A8	RFU1	Reserved for Future Use (RFU)	B5	RFU1	Reserved for Future Use (RFU)
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSRXn2	Negative half of second SuperSpeed RX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSRXp2	Positive half of second SuperSpeed RX 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	AY	9/8/16
CHECKED	LW	9/8/16
APPROVED		

ADAM TECH

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

TITLE		
UNIVERSAL SERIAL BUS, TYPE C 3.1, FEMALE, VERTICAL, BLACK INSULATOR		
SIZE	PART NO.	REV.
X	USB-C31-S-VT-CS1-BK-PP-T/R	-
REF:	S00097C	SCALE: NTS
SHEET 1		OF 1