

APPROVED: _____

Rev

AWO #

Description

Date

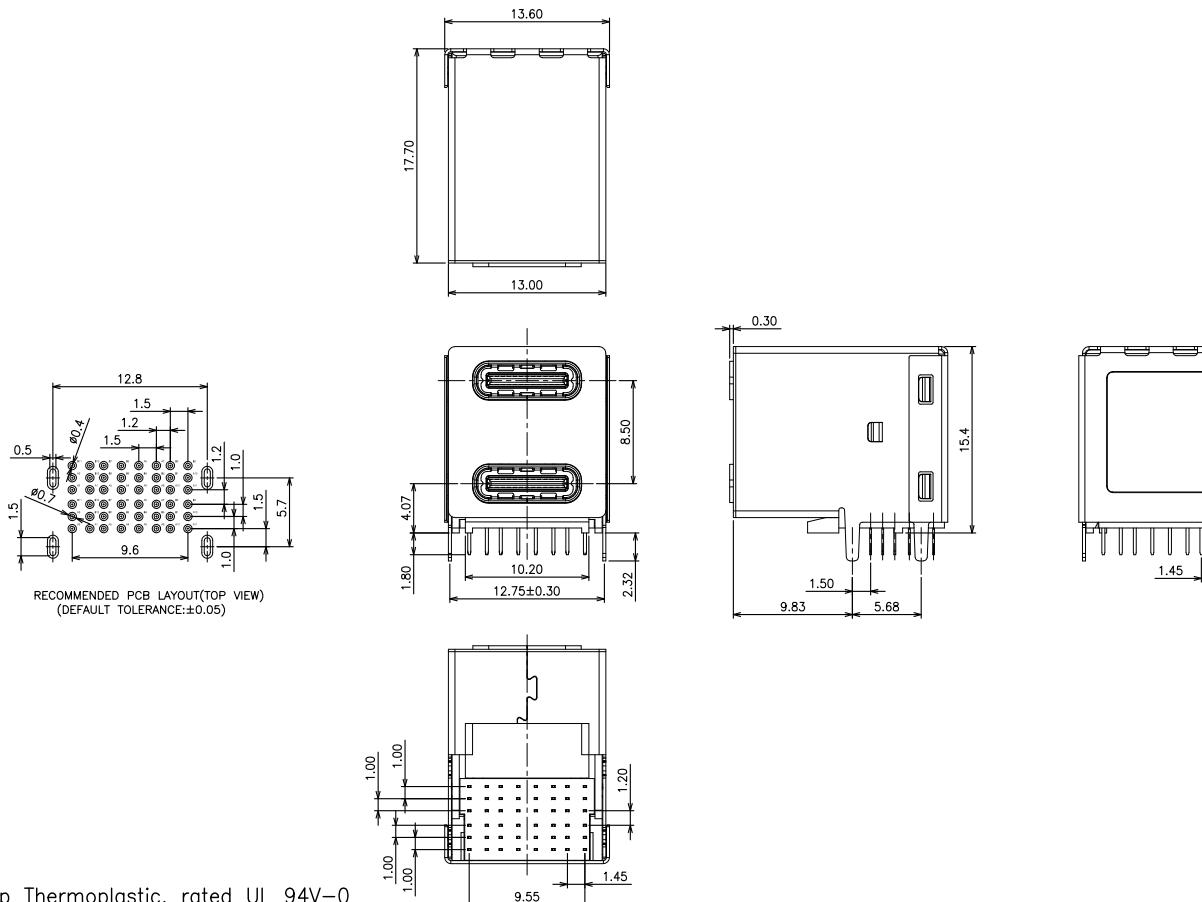
Appr

-

RELEASED

2/24/22

DATE: _____ TITLE: _____



SPECIFICATIONS:

Material:

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

Insulator color: Black

Contacts: Copper Alloy

Shell: SUS304, Nickel Plated

Mid Plated: SUS301

Plating:

Gold flash over Nickel underplate overall

Electrical:

Current rating: 5 Amp For Collectively Power Supply (A1, A4, A9, A12, B1, B4, B9, B12)

1.25 Amp For Vconn Pin

0.25 Amp For Other Signal Pin

Contact resistance: 30 mohms

Insulation resistance: 100 Mohms

Dielectric withstanding voltage: 100 VAC

Mechanical:

Insert force: 5-20N

Extract force: 8-20N

Durability: 10,000 Cycles

Environmental:

Lead free, RoHS compliant



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	SSTxP2	Positive 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	ØX ± .10
.XX ± .020	ØXX ± .015
.XXX ± .015	ØXXX ± .010

DRAWN LH 2/24/22

CHECKED LW 2/24/22

APPROVED

TITLE		UNIVERSAL SERIAL BUS, TYPE C, DUAL PORT, FEMALE, RIGHT ANGLE	
SIZE	PART NO.	REV.	
X	USB-C31-D-RA-CS2	-	
REF: S00165C-1		SCALE: NTS	SHEET 1 OF 1

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