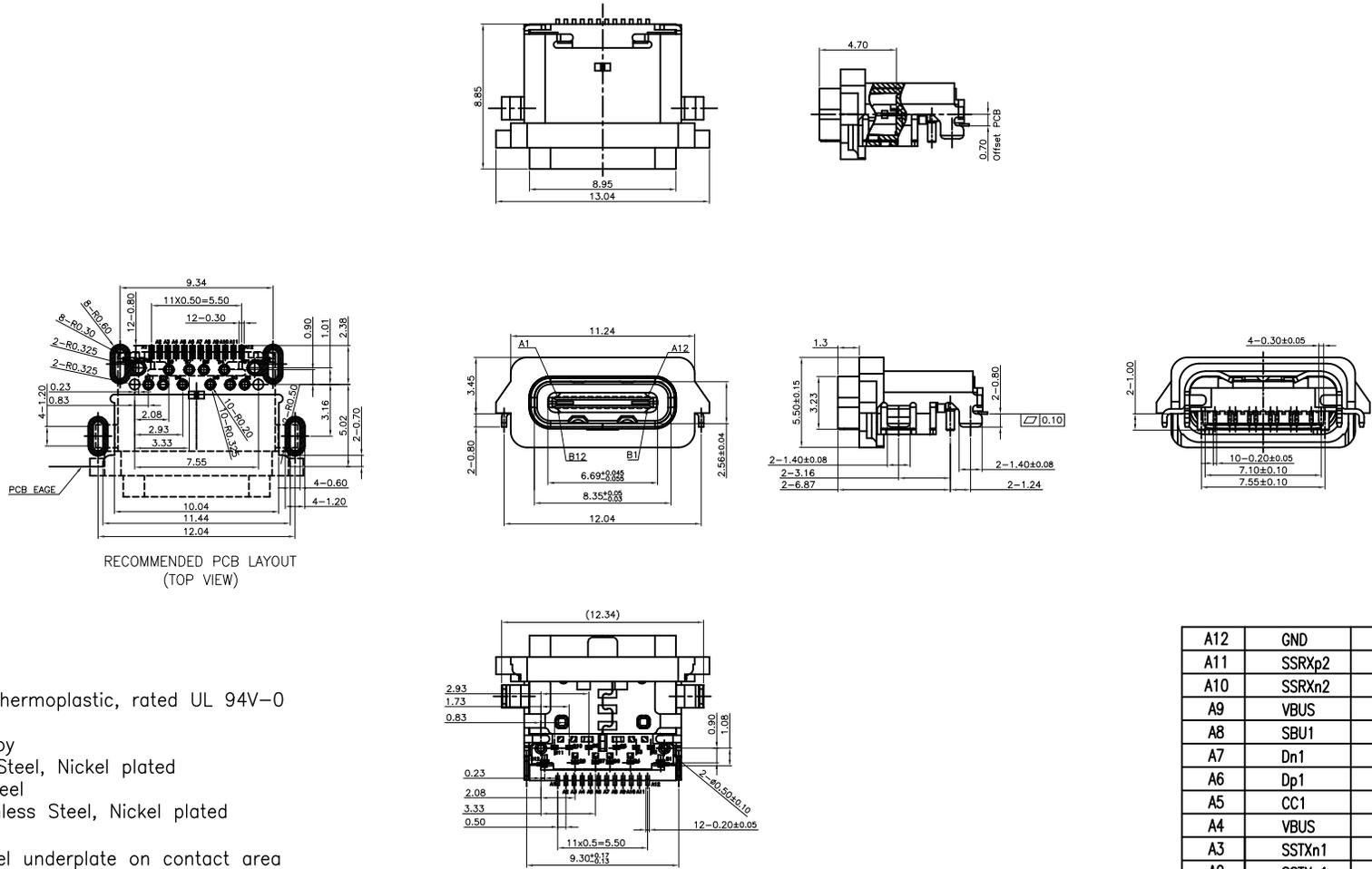


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/20/19	
A		ADDED PANEL CUT	8/8/19	OW/TW



A12	GND	B1	GND
A11	SSRXp2	B2	SSTXp2
A10	SSRXn2	B3	SSTXn2
A9	VBUS	B4	VBUS
A8	SBU1	B5	CC2
A7	Dn1	B6	Dp2
A6	Dp1	B7	Dn2
A5	CC1	B8	SBU2
A4	VBUS	B9	VBUS
A3	SSTXn1	B10	SSRXn1
A2	SSTXp1	B11	SSRXp1
A1	GND	B12	GND
Pin NO.	Signal name	Pin NO.	Signal name

SPECIFICATIONS:

Material:
 Insulator: Hi-Temp Thermoplastic, rated UL 94V-0
 Insulator color: white
 Contacts: Copper Alloy
 Out shell: Stainless Steel, Nickel plated
 In shell: Stainless Steel
 Shielding plate: Stainless Steel, Nickel plated
Plating:
 30u" Gold over Nickel underplate on contact area
 Tin over Nickel underplate on solder tails
Electrical:
 Contact resistance: 40 mohms max for initial
 10 mohms after test
 Current rating: 5A
 Dielectric withstanding voltage: 100VAC R.M.S
 Insulation resistance: 100 Mohms min
Mechanical:
 Mating force: 5~20N
 Unmated force: initial 8~20N, 6~20N after test
 Durability: 10,000 Cycles
 Waterproof requirement: IPX4
 Temperature Rating:
 Operating temperature: -40°C to +85°C
Environmental:
 Lead free, RoHS compliant



PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE MILLIMETERS
 TOLERANCES: EXCEPT AS NOTED

.X	± 0.25	X.	± 2'
.XX	± 0.20	.X'	± 1'
.XXX	± 0.05		

APPROVALS		DATE
DRAWN	OW	5/20/19
CHECKED	LW	5/20/19
APPROVED		

TITLE: UNIVERSAL SERIAL BUS, TYPE C, FEMALE
 RIGHT ANGLE, WHITE INSULATOR, WATERPROOF

SIZE	PART NO.	REV.
X	USB-C31-S-RA-CS18-WP-WT-30-T/R	A

REF: S00005C SCALE: NTS SHEET 1 OF 2

6

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4

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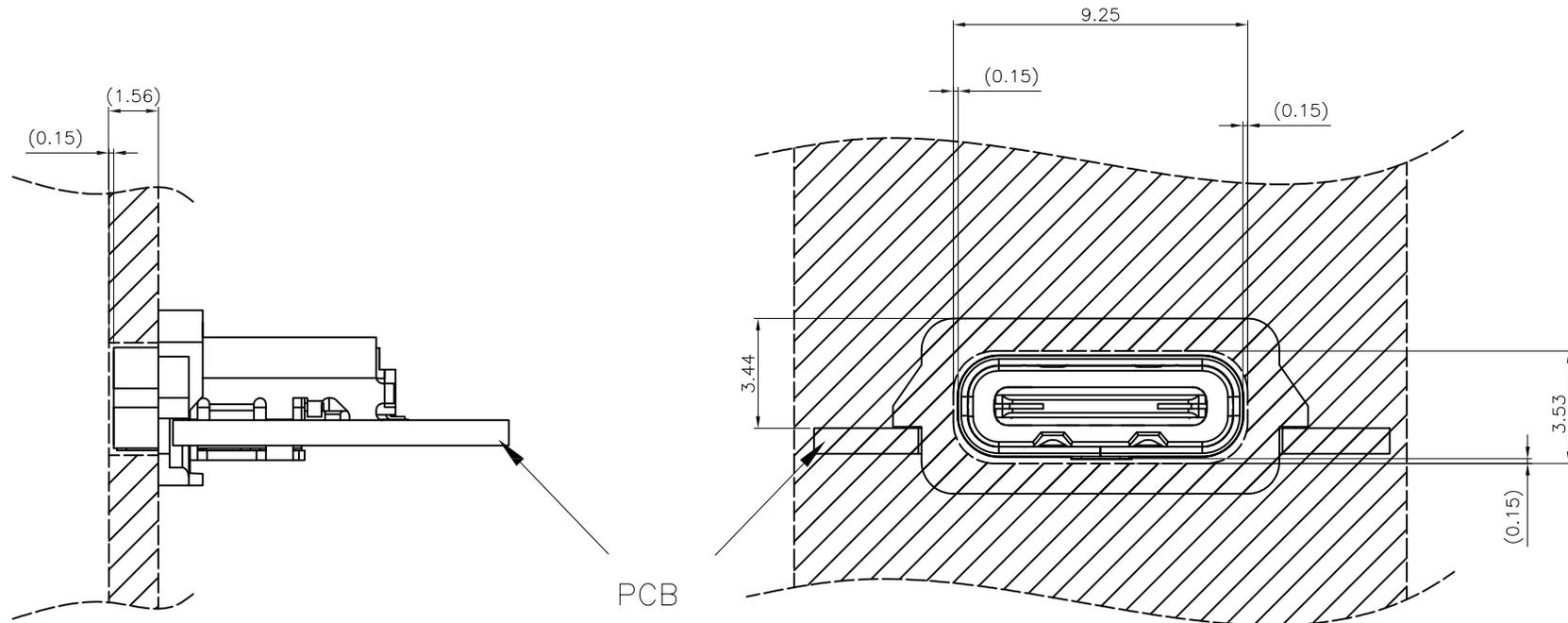
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APPROVED: _____
DATE: _____ TITLE: _____

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



RECOMMENDED PANEL CUTOUT AND USB TYPE C FEMALE LOCATION

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE MILLIMETERS
TOLERANCES: EXCEPT AS NOTED

MM	ANGLE
.X ± 0.25	X.' ± 2'
.XX ± 0.20	.X' ± 1'
.XXX ± 0.05	



TITLE
UNIVERSAL SERIAL BUS, TYPE C, FEMALE
RIGHT ANGLE, WHITE INSULATOR, WATERPROOF

APPROVALS		DATE
DRAWN	OW	5/20/19
CHECKED	LW	5/20/19
APPROVED		

SIZE X	PART NO. USB-C31-S-RA-CS18-WP-WT-30-T/R	REV. A
REF: S00005C	SCALE: NTS	SHEET 2 OF 2

6

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4

3

2

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