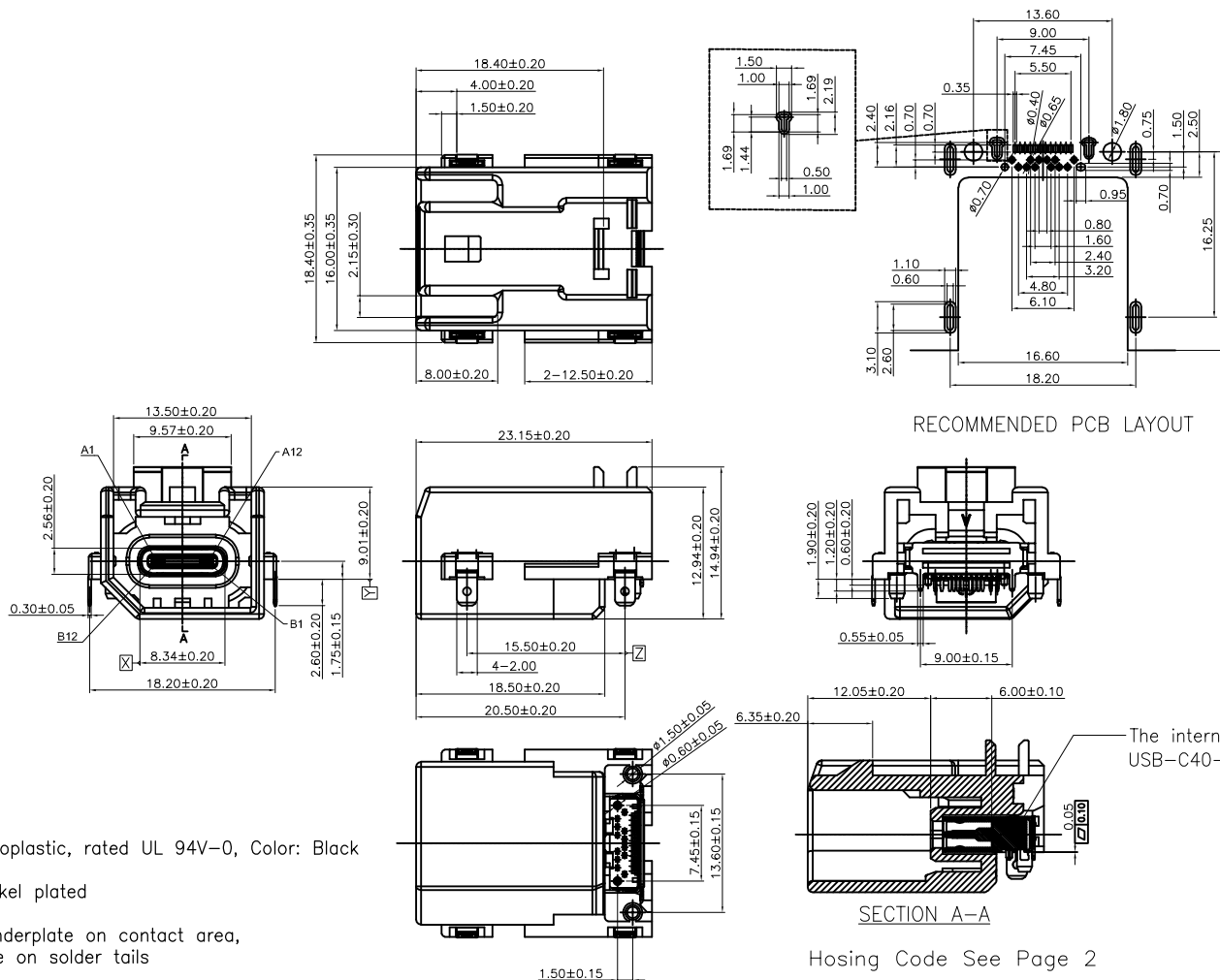


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/27/23	
A		UPDATE DRAWING	9/25/23	WX/CK
B		UPDATE DRAWING	3/15/24	LH/KC
C		UPDATE DRAWING	3/14/25	WY/RC



SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0, 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 rating: 48V

Current rating: 5A for VBUS Pin

1.25A for VCONN Pin

Contact resistance: 40 mohms max

Insulation resistance: 100 Mohms min

Dielectric withstanding voltage: 100V AC R.M.S

Mechanical:

Mating force: 45N max

Unmated force: 75N max

Durability: 20 Cycles (latch)

Temperature Rating:

Operating temperature: -40°C to +85°C

Environmental:

Lead free, RoHS compliant.



RECOMMENDED PCB LAYOUT

SECTION A-A

The internal USB model of this part is:
USB-C40-S-RA-CS5-BK-T/R

Hosing Code See Page 2

PACKAGED ON TAPE & REEL

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

	MM	ANGLE
X	± .50	± 2°
.X	± .30	
.XX	± .20	
.XXX	± .10	

DRAWN	JJ	4/27/23
CHECKED	CK	4/27/23
APPROVED		

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

TITLE (HSecurLinC) UNIVERSAL SERIAL BUS, TYPE C 4,
FEMALE, RIGHT ANGLE, EDGE HANG, W/BRIDGE
TRANSMISSION EFFICIENCY: 40G

SIZE	PART NO.	REV.
X	USB-C40-S-RA-CS5A-X-EH-BK	C
REF:	S00197C	SCALE: NTS
		SHEET 1 OF 3

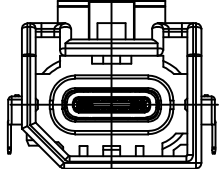
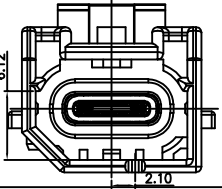
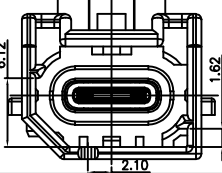
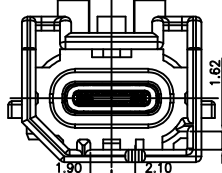
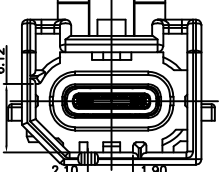
APPROVED: _____

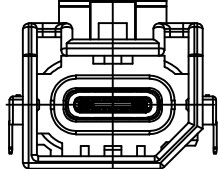
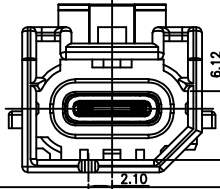
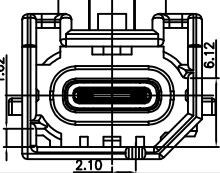
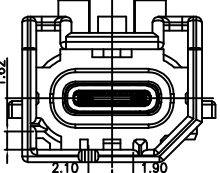
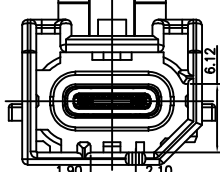
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				

USB-C40-S-RA-CS5A-X-EH-BK

Housing Code Options

CODE	RECEPTACLE	CASE COLOR
A		JET BLACK
C		NUT BROWN
E		SIGNAL BLUE
G		BLUE GRAY
J		BEIGE

CODE	RECEPTACLE	CASE COLOR
B		CLARET VIOLET
D		LEAF GREEN
F		CREAM WHITE
H		YELLOW GREEN
K		CURRY

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

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED		
	MM	ANGLE
X.	± .50	± 2°
.X	± .30	
.XX	± .20	
.XXX	± .10	

DRAWN	JJ	4/27/23
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APPROVED		

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TITLE (HSecurLinC) UNIVERSAL SERIAL BUS, TYPE C 4, FEMALE, RIGHT ANGLE, EDGE HANG, W/BRIDGE TRANSMISSION EFFICIENCY: 40G

SIZE X	PART NO. USB-C40-S-RA-CS5A-X-EH-BK	REV. C
REF: S00197C	SCALE: NTS	SHEET 2 OF 3

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