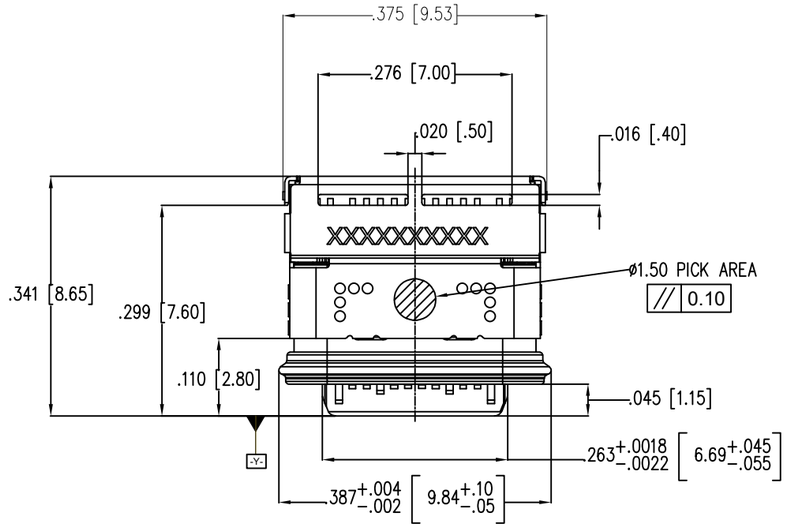
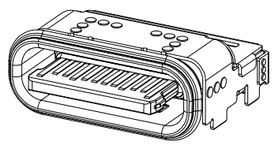
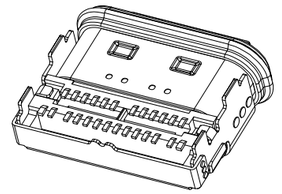
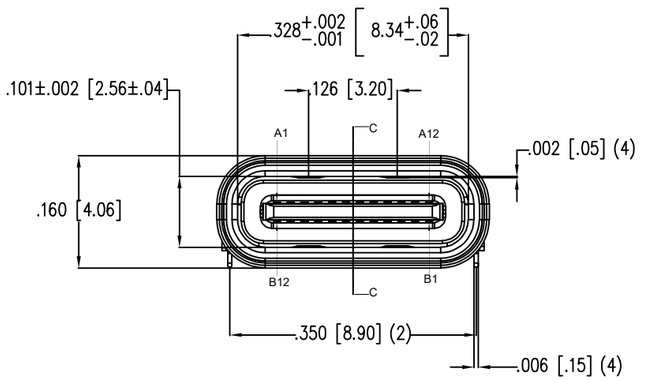
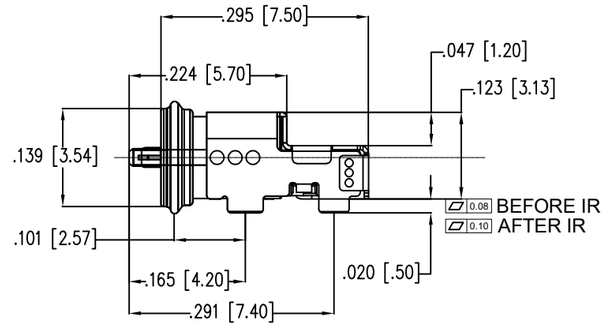
DATE	REV	ECN	APP'D. BY
3/4/2026	A0	12644	GWL

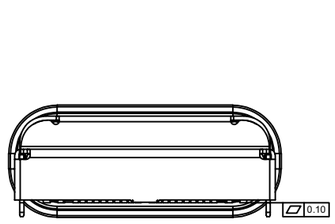


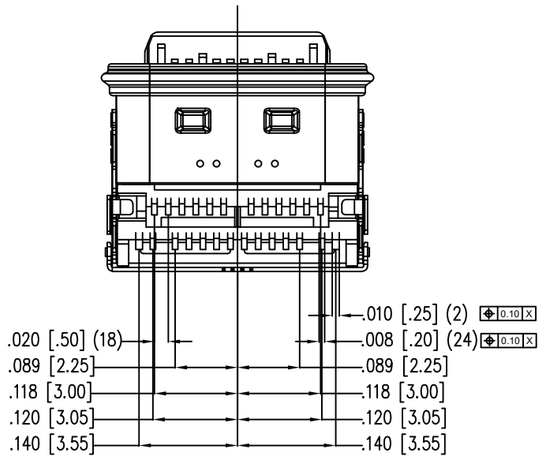


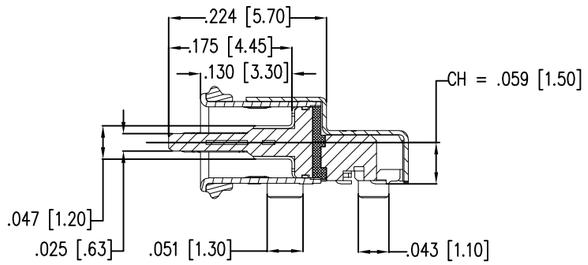












SECTION C-C (SCALE 1:1)

Specifications:
1.Electrical Performance,
1-1. Current Rating:5 Amps. For Total VBUS/GND Pins;
0.5Amps For CC Pin,
0.25 Amps. For All Other Contact.
1-2. Voltage Rating:5 V DC/AC (Rms. Max)
1-3. Contact Resistance: 40mΩ Max Initial.
50mΩ Max After Test
1-4.Dielectric Withstanding Voltage: 100V AV
1-5.Insulation Resistance:100mΩ Min
2.Mechanical Performance,
2-1.Insertion Force: 5~20N.
2-2.Extraction Force: 8~20N.
2-3.Durability: 10000 Cycles.
3.Environmental Performance:
Operating Temperature: -25°C~+85°C.
4.IR Reflow:
The Peak Temperature On The Board Shall
Be Maintained For 10 Seconds At 260°C.
5.Salt Spray:48H
6.Contact Area: Au 15u",Solder Tails:Au 5u"

LIM SEAL	1PCS	CHN-LIMS Silicone	BLACK
Outer Shell	1PCS	Stainless Steel SUS316	SOLDER NICKEL: NI PLATE
Main SHELL	1PCS	Stainless Steel SUS304	NI PLATED OR CLEANING
Small SHELL	1PCS	Stainless Steel SUS304	NI PLATED OR CLEANING
Contact	24PCS	Copper Alloy C7025	Au 15u" Plated On Contact Area 5u" Plated On Solder Area; Nickel 50u"Min Under Plating Over All.
MID PLATE	1PCS	Stainless Steel SUS301	NI PLATED
Housing	1PCS	High Temperature Plastic PA9T	UL94V-0 Black
Description	QTY	Material	Remarks

15 MICRO-INCHES [0.381um]	SS-52400-014
CONTACT PLATING IN MATING AREA	PART NUMBER

THIRD ANGLE PROJECTION

DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS INCHES [MM]
TOLERANCES ARE:
ANGLES ± 3°
.XX [.X] ±.012" [±0.30]
.XXX [.XX] ±.010" [±0.25]
.XXXX [.XXX] ±.004" [±0.10]
DO NOT SCALE DRAWING

SHEET NO. 1 OF 3

stewart CONNECTOR a bel group
11118 Susquehanna Trail South
Glen Rock, PA 17327-9199
(717) 235-7512
http://www.stewartconnector.com

TITLE: USB 3.0 Type-C Right Angle Receptacle, SMT, IP68, 15u"

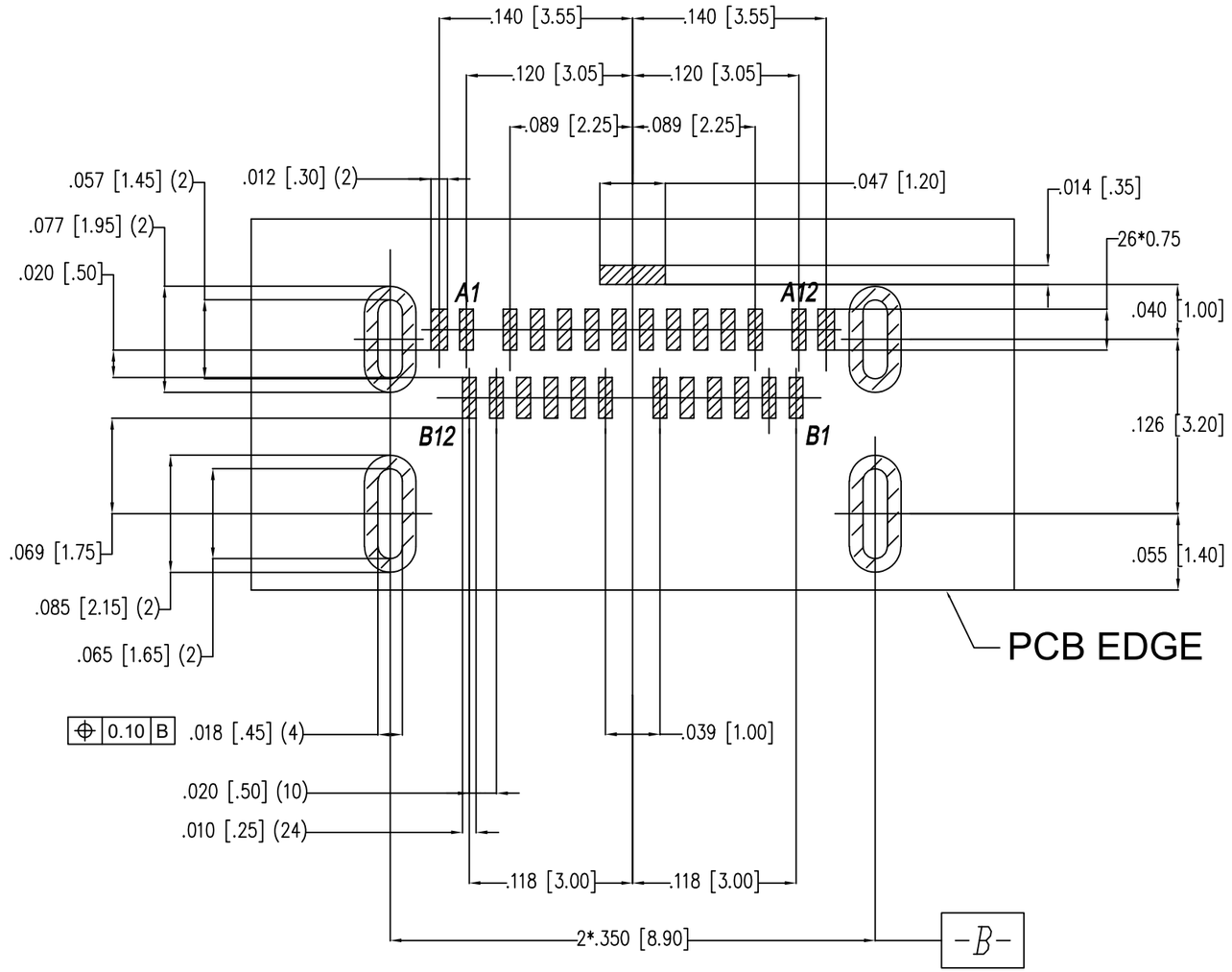
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APPD BY:	GWL	DATE	3/4/2026
DWG NO.	CT520023	REV.	A0

30 Min/1.5m IP-68

RoHS

AutoCAD



RECOMMENDED PCB LAYOUT

(Tolerance=±0.05)

USB Type-C Pin Assignments

Pin Number	Signal Name	Pin Number	Signal Name
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

RoHS

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.XXX [.XX] ±.010" [±0.25]
.XXXX [.XXX] ±.004" [±0.10]
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SHEET NO. 2 OF 3

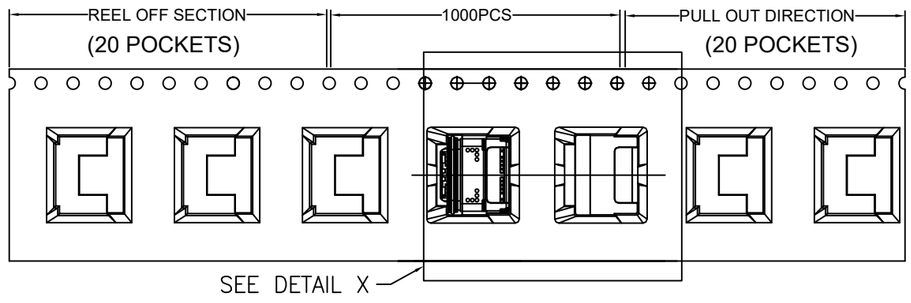
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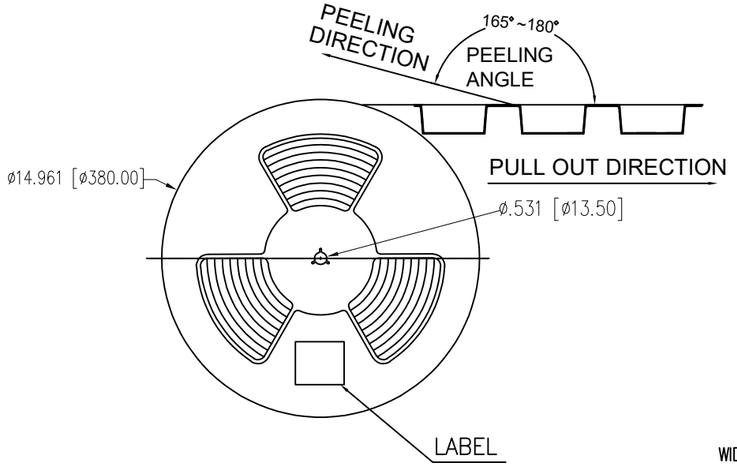
TITLE: USB 3.0 Type-C Right Angle Receptacle, SMT, IP68, 15u"

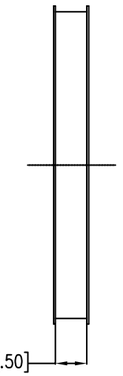
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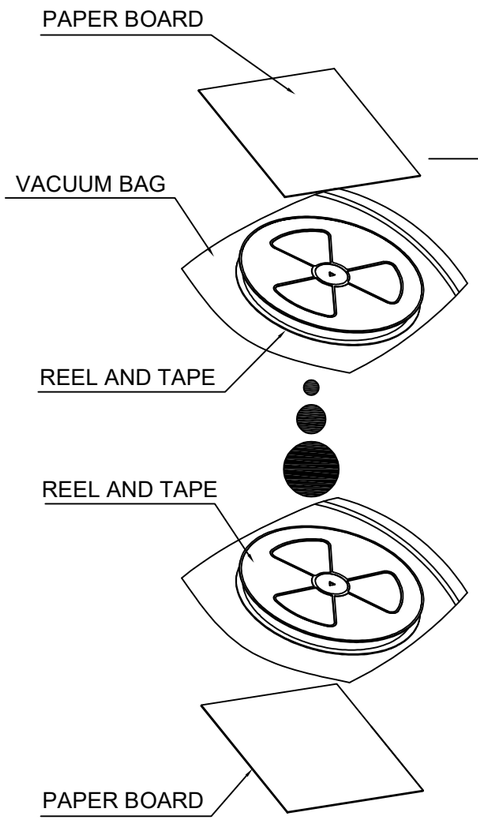
DRN BY:	DDD	DATE	3/4/2026
APPD BY:	GWL	DATE	3/4/2026
DWG NO.	CT520023	REV.	A0

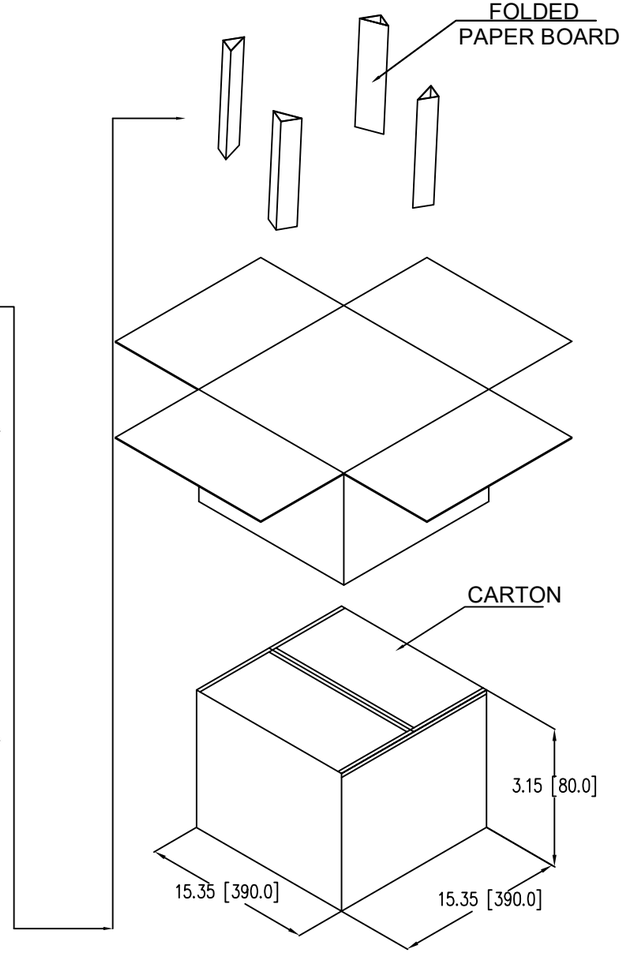
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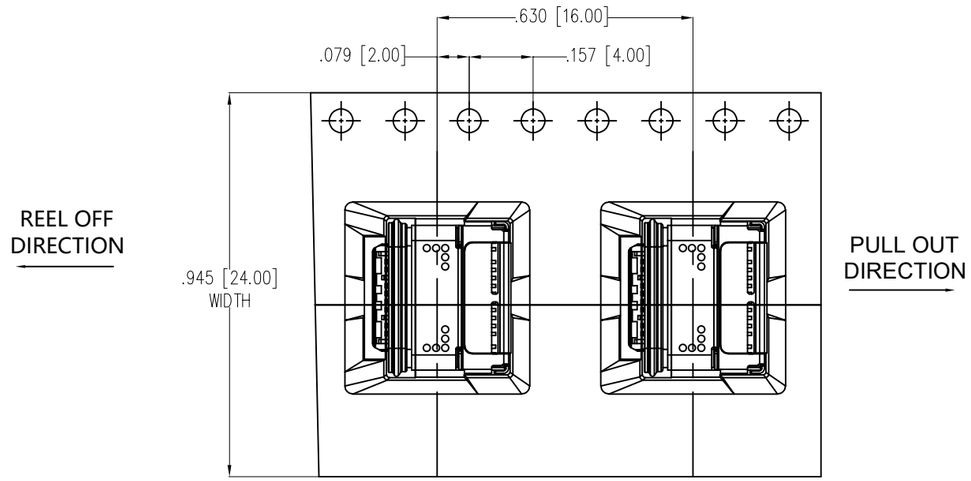












	REEL	CARTON
CONNECTOR (PCS)	1000	2000

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.XXXX [.XXX] ±.004" [±0.10]
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SHEET NO. 3 OF 3

RoHS

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