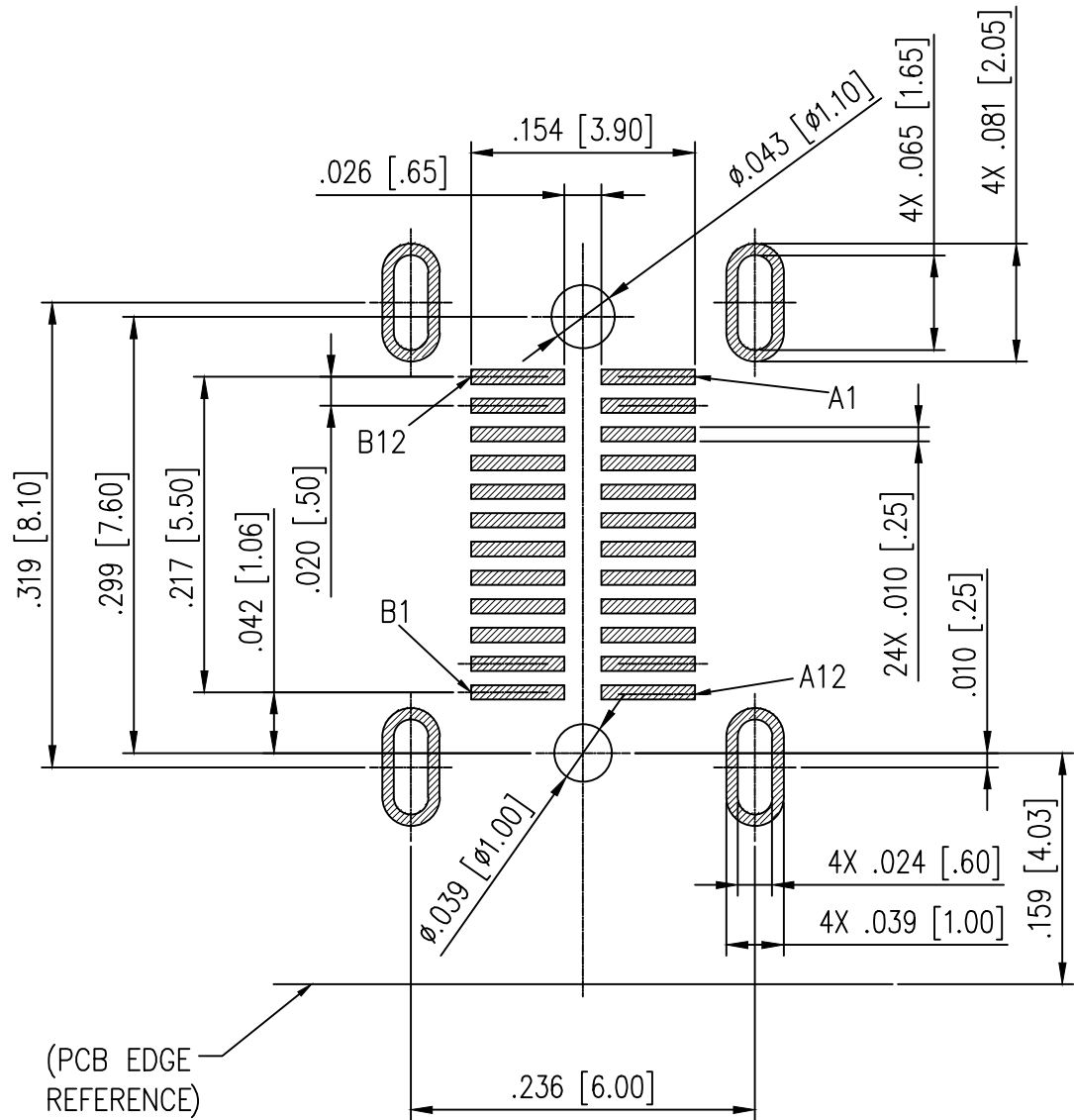
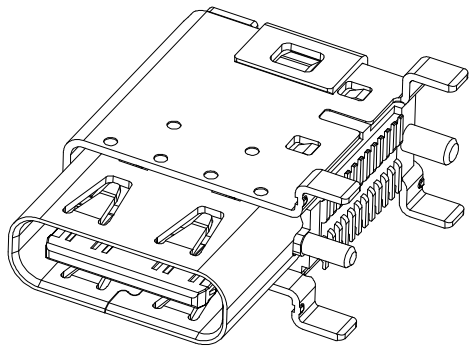
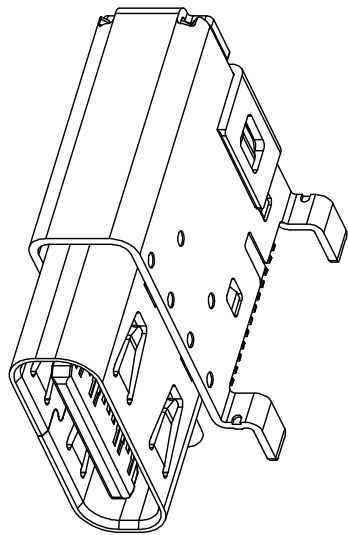


NOTES:

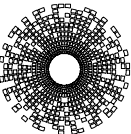
1. MATERIAL
HOUSING: LCP, UL94 V-0, BLACK
CONTACTS: COPPER ALLOY
SHELL: STAINLESS STEEL
MID-PLATE: STAINLESS STEEL
EMI-PLATE: STAINLESS STEEL
2. FINISH
CONTACT PLATING: SEE CHART FOR OPTIONS
CONTACT AREA: AU OVER 50µ" [1.27µm] NI UNDERPLATE
SOLDER TAILS: AU OVER 50µ" [1.27µm] NI UNDERPLATE
SHELL: 50µ" [1.27µm] NI
EMI-PLATE: 50µ" [1.27µm] NI
3. ELECTRICAL
CURRENT RATING: 5A TOTAL VBUS/GND
1.25A FOR CC
0.25A FOR ALL OTHER PINS
VOLTAGE RATING: 20V DC/AC RMS MAX.
LLCR:
CONTACTS: 40MΩ/PIN MAX.
SHELL: 50MΩ MAX.
TOTAL CHANGE: 10MΩ MAX.
INSULATION RESISTANCE: 100 MΩ MIN.
DIELECTRIC WITHSTANDING VOLTAGE:
100V AC; 1 MINUTE
4. MECHANICAL
INSERTION FORCE: 1.1~4.5 LBF [5~20N]
EXTRACTION FORCE: 1.8~4.5 LBF [8~20N]
DURABILITY: 10,000 CYCLES
5. ENVIRONMENTAL
TEMPERATURE RANGE: -40°F TO +185°F
[-40°C TO +85°C]
SALT SPRAY: 48 HOURS
6. SOLDER: IR REFLOW
MAINTAIN PEAK TEMPERATURE ON BOARD
500°F [260°C] FOR 10 SECONDS
7. DEVICE DIMENSIONS COMPLY WITH IEC62680-1-3



RECOMMENDED P.C.B LAYOUT
TOLERANCE ± 0.002 [0.05] (TOP VIEW)
PCB THICKNESS: .070 [1.80]



DATE	REV	ECN	APP'D BY
5/19/2025	A0	12562	GL

SS-52400-008	3.2	3µ" [0.0762 µm] AU
PART NUMBER	PROTOCOL	CONTACT PLATING (IN MATING AREA)
stewart CONNECTOR a bel group 11118 Susquehanna Trail South Glen Rock, PA 17327-9199 (717) 235-7512 http://www.stewartconnector.com		
TITLE USB TYPE-C RECEPTACLE FLAG-ORIENTATION		
DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE	DRWN BY: BR	DATE 01/25/25
DIMENSIONS: INCHES [METRIC]	CHKD BY: BR	DATE 01/25/25
TOLERANCES UNLESS OTHERWISE NOTED 2 PLC. DEC. ±0.012 [0.30] 3 PLC. DEC. ±0.008 [0.20] 4 PLC. DEC. ±0.004 [0.10] ANGLES ± 3°	APPD BY: JE	DATE 01/25/25
	SHEET 1 OF 2	REV. A0

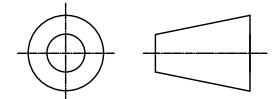
PIN DEFINITION:

PIN No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
SIGNAL NAME	GND	TX1+	TX1-	VBus	CC1	D+	D-	SBU1	VBus	RX2-	RX2+	GND
PIN No.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
SIGNAL NAME	GND	RX1+	RX1-	VBus	SBU2	D-	D+	CC2	VBus	TX2-	TX2+	GND

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPRIETARY PROPERTY OF STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONSENT OF STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

RoHS

THIRD ANGLE PROJECTION



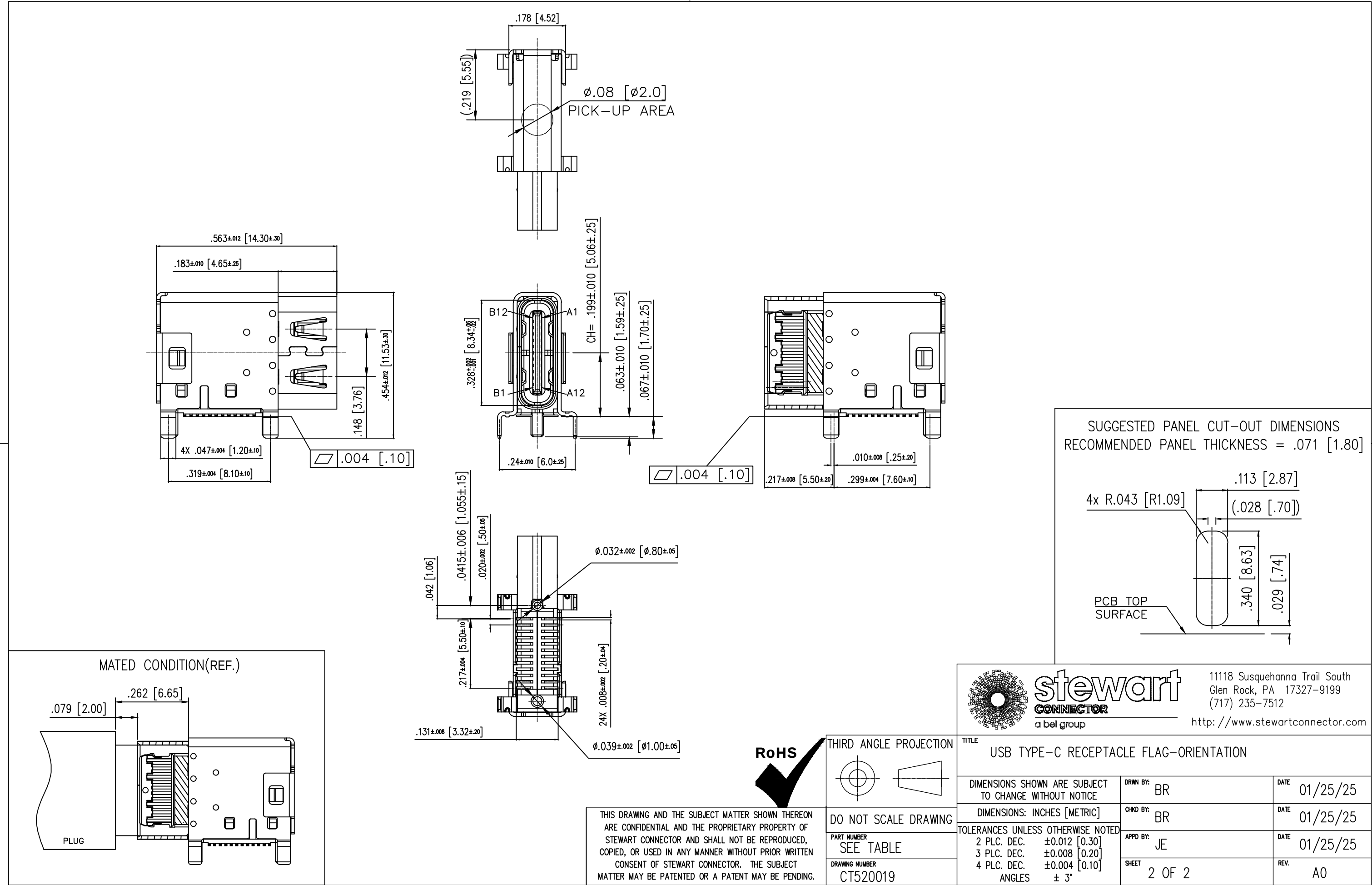
DO NOT SCALE DRAWING

PART NUMBER
SEE TABLE

DRAWING NUMBER
CT520019

B

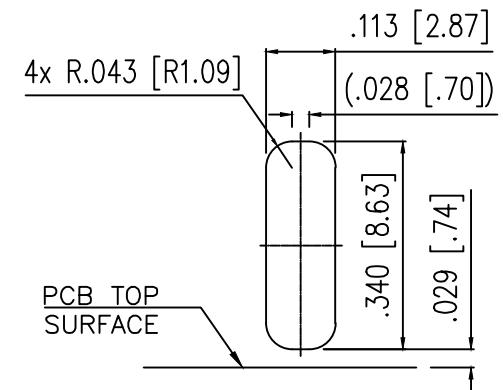
A

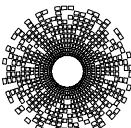


B

A

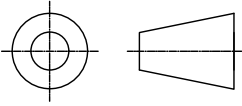
SUGGESTED PANEL CUT-OUT DIMENSIONS
RECOMMENDED PANEL THICKNESS = .071 [1.80]



 stewart CONNECTOR a bel group		11118 Susquehanna Trail South Glen Rock, PA 17327-9199 (717) 235-7512 http://www.stewartconnector.com	
TITLE USB TYPE-C RECEPTACLE FLAG-ORIENTATION			
DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE		DRWN BY: BR	DATE 01/25/25
DIMENSIONS: INCHES [METRIC]		CHKD BY: BR	DATE 01/25/25
TOLERANCES UNLESS OTHERWISE NOTED		APPD BY: JE	DATE 01/25/25
2 PLC. DEC. ±0.012 [0.30] 3 PLC. DEC. ±0.008 [0.20] 4 PLC. DEC. ±0.004 [0.10] ANGLES ± 3°		SHEET 2 OF 2	REV. A0

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THIRD ANGLE PROJECTION	
	
DO NOT SCALE DRAWING	
PART NUMBER SEE TABLE	
DRAWING NUMBER CT520019	