



161 Alden Road, Units 7 & 8, Markham, Ontario Canada L3R 3W7  
 Tel: +1 416 754-3322 Fax: +1 416-754-3299  
 Email: support@edac.net http://www.edac.net  
**ENGINEERING CHANGE NOTICE**

Originator:	Wenyu Qin	Date:	Document Number
Phone No.	416-754-3322	December 23, 2025	20251223-00
Email Address:	<a href="mailto:wain@edacgroup.net">wain@edacgroup.net</a>	Revision Number	SHEET
Department	Quality	4	1 of 3

**CHANGE TYPE:**

- CLASS I Customer notification and approval required prior to implementation  
 CLASS II Customer notification only, no approval required  
 CLASS III No customer notification required

**REASON OF CHANGE**

Specification update

**DESCRIPTION OF CHANGE:**

The part 698A106-162-211 has undergone the correct dimension update:  
 1. Pin numbers have been marked on the PCB.  
 2. The current rating has been updated from 3A to 5A.  
 3. Other related dimension changes can be found on page 2 (Highlighted in red circles).

There are no issues related to form, fit, or function/performance.

**PARTIES AFFECTED**

- Customer  
 Distributors  
 Suppliers
- NORCOMP  
 MH  
 ETW
- ECA  
 EDG  
 EDAC UK

**KEY TARGET DUE DATES IF CHANGE IS APPROVED TO PROCEED** (check if applicable and show target dates as known)

- Submit Quote \_\_\_\_\_  
 Prod. Trial Run \_\_\_\_\_  
 Run at Rate \_\_\_\_\_
- PPAP from Supplier \_\_\_\_\_  
 MRD of Production Parts \_\_\_\_\_  
 UL / CSA / RoHS / REACH \_\_\_\_\_

**ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)**

- |  |  |
|--|--|
| <input type="checkbox"/> Tooling Rep _____                       | <input checked="" type="checkbox"/> Marketing Rep <u>Marco Lamanna</u> |
| <input type="checkbox"/> Mfg Eng Rep _____                       | <input type="checkbox"/> Facilities Rep _____                          |
| <input type="checkbox"/> Production Rep _____                    | <input checked="" type="checkbox"/> Sales Rep. <u>Esther Marothy</u>   |
| <input type="checkbox"/> Materials Rep _____                     | <input type="checkbox"/> Product Eng. Rep. _____                       |
| <input checked="" type="checkbox"/> Quality Rep <u>Wenyu Qin</u> | <input type="checkbox"/> Purchasing Rep _____                          |

**STATUS**

APPROVED   
 CCS CHANGE REQUEST # \_\_\_\_\_

**APPROVALS FOR ECN INITIATION (REQUIRED)**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> <input type="checkbox"/> <b>General Manager</b><br><u>Bob Sakitkovski</u>         | <input checked="" type="checkbox"/> <input type="checkbox"/> <b>Quality Engineer</b><br><u>Wenyu Qin</u> |
| <input checked="" type="checkbox"/> <input type="checkbox"/> <b>Engineering Manager</b><br><u>Ronnie Sta Monica</u>   | <input checked="" type="checkbox"/> <input type="checkbox"/> <b>Engineer</b><br><u>Jacky Lal</u>         |
| <input checked="" type="checkbox"/> <input type="checkbox"/> <b>Business Development Manager</b><br><u>K. Samuels</u> |  |

**REJECTED**

Change REJECTED by: \_\_\_\_\_  
 Rejected Date: \_\_\_\_\_

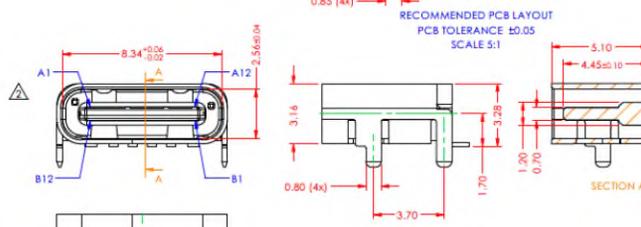
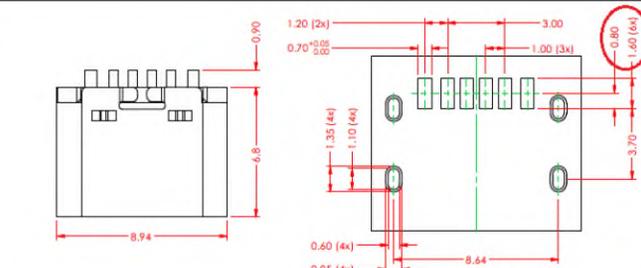
R2

R3

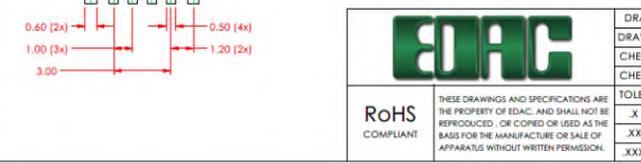
REVISIONS			
REV.	DESCRIPTION	DATE	BY
1	ORIGINAL	2020-12-21	C.B
2	ASSIGN PIN NUMBER & TABLE	2025-02-13	J.S.M

**SPECIFICATIONS:**  
**ELECTRICAL SPECIFICATIONS:**  
 CURRENT RATING: **3A**  
 CONTACT RESISTANCE: 40mΩ MAX. BEFORE TEST  
 50mΩ MAX. AFTER TEST  
 INSULATOR RESISTANCE: 100MΩ min.  
 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S  
 OPERATING TEMPERATURE: -40°C - 85°C  
 INSERTION FORCE: 5 - 20N  
 8 - 20N BEFORE TEST  
 6 - 20N AFTER TEST  
 WITHDRAWAL FORCE: 10,000 CYCLES  
**DURABILITY:**

**MATERIAL & FINISH:**  
 SHELL: STAINLESS STEEL, NICKEL PLATING  
 HOUSING: LCP, BLACK IN COLOUR, UL94V-0  
 CONTACTS: COPPER ALLOY, 5μ" GOLD PLATED



PIN NUMBER	SIGNAL NAME
A12	GND
A9	VBUS
A5	CC1
B5	CC2
B9	VBUS
B12	GND

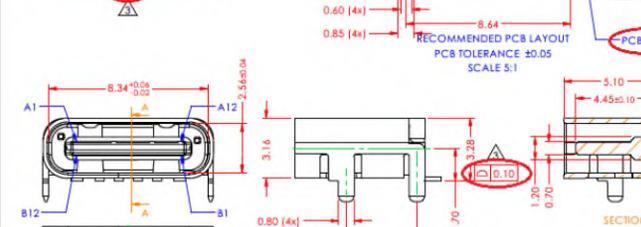
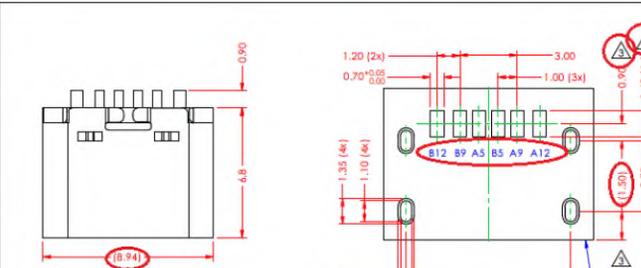


	DRAWN BY	C.B	690 SERIES RECEPTACLES USB TYPE-C 6 PIN OPTION			
	DRAWN DATE	2020-12-21	PART NUMBER	698A106-162-211		
	CHECKED BY	J.L	MATERIAL	LCP	SIZE	A
	CHECK DATE	2025-02-13	REVISION	R2		
ROHS COMPLIANT	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC, AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.		TOLERANCES	ALL DIMENSIONS AND TOLERANCES IN MM	SCALE	5:1 SHEET 1 OF 1
	.X	±0.25				
	.XX	±0.20				
	.XXX	±0.05				

REVISIONS			
REV.	DESCRIPTION	DATE	BY
1	ORIGINAL	2020-12-21	C.B
2	ASSIGN PIN NUMBER & TABLE	02/13/2025	J.S.M
3	UPDATE PCB LAYOUT, CURRENT RATING. ADD DIM:1.10, 0.68, & 1.32	12/22/2025	J.S.M

**SPECIFICATIONS:**  
**CONTACT MATERIAL:** COPPER ALLOY, 5μ" GOLD PLATED  
**HOUSING MATERIAL:** LCP, UL 94V-0, BLACK COLOR  
**SHELL MATERIAL:** STAINLESS STEEL, NICKEL PLATED  
**MID PLATE MATERIAL:** STAINLESS STEEL  
**CURRENT RATING:** 3A (FOR A9, A12, B9, & B12), 1.25A (FOR A5 & B5)  
**CONTACT RESISTANCE:** 40mΩ MAX. BEFORE TEST  
 50mΩ MAX. AFTER TEST  
**INSULATOR RESISTANCE:** 100MΩ MIN.  
**WITHSTANDING VOLTAGE:** 100V AC RMS  
**OPERATING TEMPERATURE:** -40°C - +85°C  
**INSERTION FORCE:** 5 - 20N  
 8 - 20N BEFORE TEST  
 6 - 20N AFTER TEST  
**WITHDRAWAL FORCE:** 10,000 CYCLES  
**DURABILITY:**

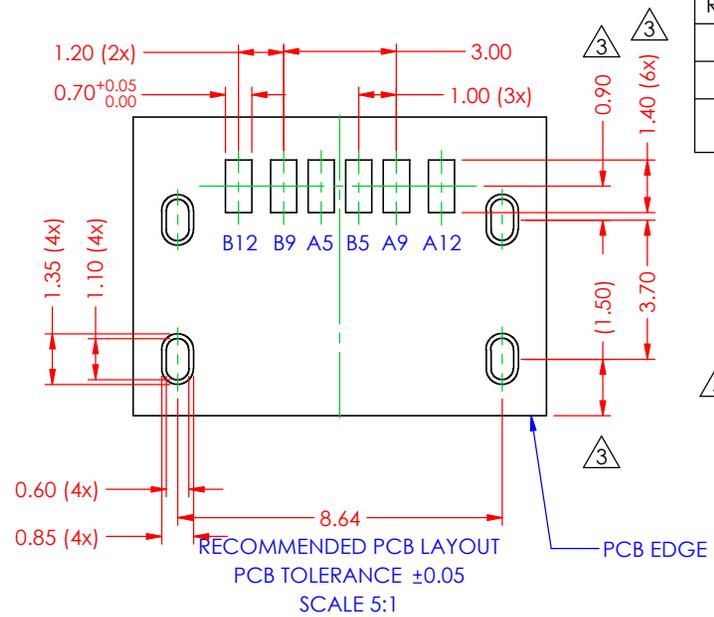
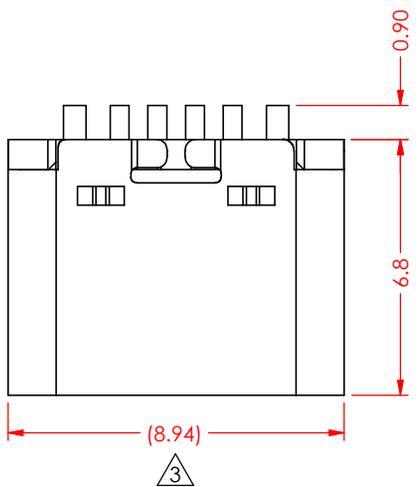
**MATERIAL & FINISH:**  
 SHELL: STAINLESS STEEL, NICKEL PLATING  
 HOUSING: LCP, BLACK IN COLOUR, UL94V-0  
 CONTACTS: COPPER ALLOY, 5μ" GOLD PLATED



PIN NUMBER	SIGNAL NAME
A12	GND
A9	VBUS
A5	CC1
B5	CC2
B9	VBUS
B12	GND



	DRAWN BY	C.B	690 SERIES RECEPTACLES USB TYPE-C 6 PIN OPTION			
	DRAWN DATE	12/21/2020	PART NUMBER	698A106-162-211		
	CHECKED BY	J.L	MATERIAL	LCP	SIZE	A
	CHECK DATE	12/22/2025	REVISION	R3		
ROHS COMPLIANT	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC, AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.		TOLERANCES	ALL DIMENSIONS AND TOLERANCES IN MM	SCALE	5:1 SHEET 1 OF 1
	.X	±0.25				
	.XX	±0.20				
	.XXX	±0.05				

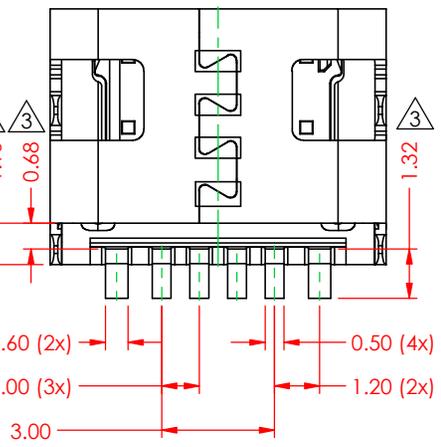
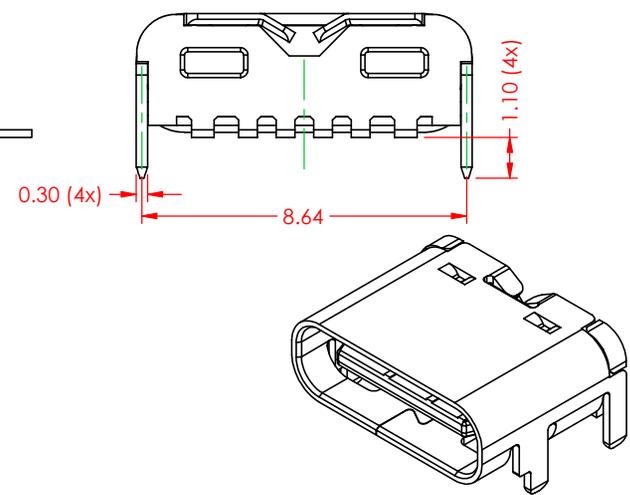
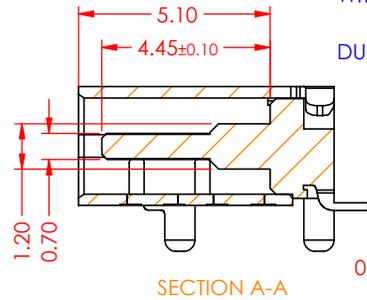
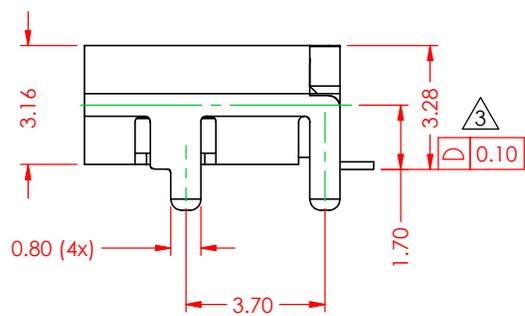
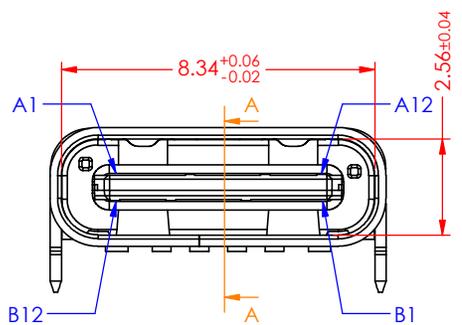


REVISIONS			
REV.	DESCRIPTION	DATE	BY
1	ORIGINAL	DRAWN DATE	C.B
2	ASSIGN PIN NUMBER & TABLE	02/13/2025	J.S.M
3	UPDATE PCB LAYOUT, CURRENT RATING, ADD DIM:1.10, 0.68, & 1.32	12/22/2025	J.S.M

**SPECIFICATIONS:**

CONTACT MATERIAL: COPPER ALLOY, 5μ" GOLD PLATED  
 HOUSING MATERIAL: LCP, UL 94V-0, BLACK COLOR  
 SHELL MATERIAL: STAINLESS STEEL, NICKEL PLATED  
 MID PLATE MATERIAL: STAINLESS STEEL

- CURRENT RATING: 5A (FOR A9, A12, B9, & B12), 1.25A (FOR A5 & B5)
- CONTACT RESISTANCE: 40mΩ MAX. BEFORE TEST, 50mΩ MAX. AFTER TEST
- INSULATOR RESISTANCE: 100MΩ MIN.
- WITHSTANDING VOLTAGE: 100V AC RMS
- OPERATING TEMPERATURE: -40°C ~ +85°C
- INSERTION FORCE: 5 ~ 20N
- WITHDRAWAL FORCE: 8 ~ 20N BEFORE TEST, 6 ~ 20N AFTER TEST
- DURABILITY: 10,000 CYCLES



A12	GND
A9	VBUS
A5	CC1
B5	CC2
B9	VBUS
B12	GND
PIN NUMBER	SIGNAL NAME



**RoHS**  
COMPLIANT

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DRAWN BY	C.B
DRAWN DATE	12/21/2020
CHECKED BY	J.L
CHECK DATE	12/22/2025

TOLERANCES	ALL DIMENSIONS AND TOLERANCES IN MM	
.X		±0.25
.XX		±0.20
.XXX	±0.05	

690 SERIES RECEPTACLES USB TYPE-C 6 PIN OPTION			
PART NUMBER	698A106-162-211		
MATERIAL	LCP	SIZE	A
		REVISION	
		R3	
SCALE	5:1	SHEET	1 OF 1