

		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:	Mit Patel	Date:	Document Number
Phone No.	416-754-3322	June 11, 2025	20250611-00
Email Address:	mpatel@edac.net	Revision Number	SHEET
Department	Quality	1	1 of 2

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

The tool is worn out.

DESCRIPTION OF CHANGE:

The shelf tool previously used for part 690B109-223-012 has become worn and has been replaced with an existing tool. This change has resulted in minor variations in appearance and dimensions; however, these differences do not impact the form, fit, or function of the part.

R1

R2

EDAC Group of Companies

EDAC NORCOMP Northern Technologies

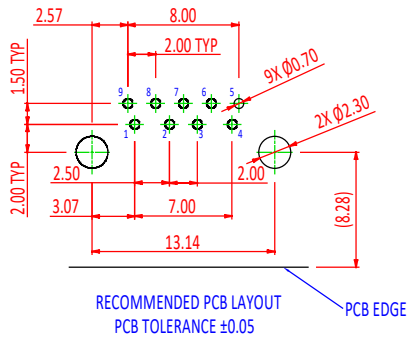
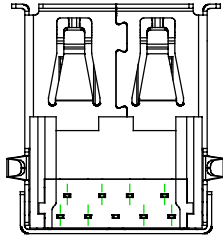
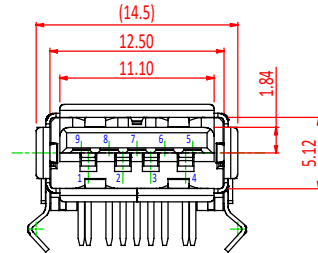
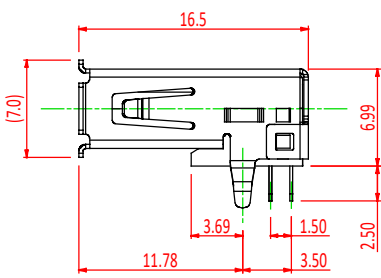
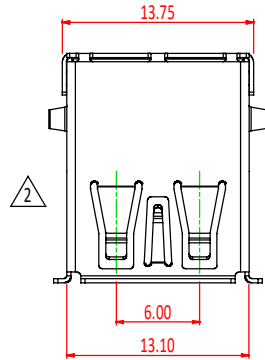
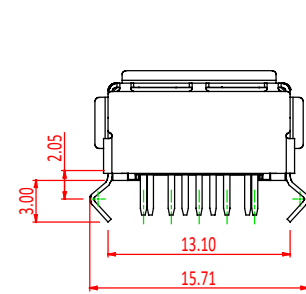
PARTIES AFFECTED <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Customer <input checked="" type="checkbox"/> Distributors <input type="checkbox"/> Suppliers </div> <div> <input type="checkbox"/> NORCOMP <input type="checkbox"/> MH <input checked="" type="checkbox"/> ETW </div> <div> <input checked="" type="checkbox"/> ECA <input checked="" type="checkbox"/> EDG <input checked="" type="checkbox"/> EDAC UK </div> </div>		
---	--	--

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

<input type="checkbox"/> Submit Quote _____ <input type="checkbox"/> Prod. Trial Run _____ <input type="checkbox"/> Run at Rate _____	<input type="checkbox"/> PPAP from Supplier _____ <input type="checkbox"/> MRD of Production Parts _____ <input type="checkbox"/> UL / CSA / RoHS / REACH _____
---	---

ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)		STATUS
<input type="checkbox"/> Tooling Rep _____ <input type="checkbox"/> Mfg Eng Rep _____ <input type="checkbox"/> Production Rep _____ <input type="checkbox"/> Materials Rep _____ <input checked="" type="checkbox"/> Quality Rep Mit Patel	<input type="checkbox"/> Marketing Rep Marco Lamanna <input type="checkbox"/> Facilities Rep _____ <input type="checkbox"/> Sales Rep. Esther Marothv <input type="checkbox"/> Product Eng. Rep. _____ <input type="checkbox"/> Purchasing Rep _____	<div style="background-color: #90EE90; padding: 5px;"> APPROVED CCS CHANGE REQUEST # _____ </div> <div style="background-color: #FFDAB9; padding: 5px; margin-top: 10px;"> REJECTED Change REJECTED by: _____ Rejected Date: _____ </div>

APPROVALS FOR ECN INITIATION (REQUIRED)			
<input checked="" type="checkbox"/>	General Manager Bob Sakitkovski	<input checked="" type="checkbox"/>	Quality Engineer Mit Patel
<input checked="" type="checkbox"/>	Engineering Manager Ronnie Sta Monica	<input checked="" type="checkbox"/>	Engineer Jacky Lai
<input checked="" type="checkbox"/>	Business Development Manager Kobie Samuels	 6/23/25	




REVISIONS			
REV.	DESCRIPTION	DATE	BY
1	ORIGINAL	DRAWN DATE	C.B
2	UPDATE SHELL & SPECIFICATIONS	2025-06-19	J.S.M



SPECIFICATIONS:

CONTACT MATERIAL:	COPPER ALLOY
CONTACT PLATING:	GOLD FLASH OVER CONTACT AREA, TIN OVER SOLDER AREA, NICKEL UNDERPLATED
HOUSING MATERIAL:	LCP, UL 94V-0, BLUE COLOR
SHELL MATERIAL:	COPPER ALLOY, NICKEL PLATED
VOLTAGE RATING:	30V AC
CURRENT RATING:	1.5A
WITHSTANDING VOLTAGE:	100V AC FOR 1 MINUTE
CONTACT RESISTANCE:	30mΩ MAX. INITIAL FOR VBUS AND GND CONTACTS 50mΩ MAX. INITIAL FOR ALL OTHER CONTACTS
INSULATION RESISTANCE:	100MΩ MIN. AT 100V/DC FOR 1 MINUTE
OPERATING TEMPERATURE:	-25°C ~ +80°C
STORAGE TEMPERATURE:	-20°C ~ +60°C
INSERTION FORCE:	35N (3.57KgF) MAX.
WITHDRAWAL FORCE (WITHOUT LOCK):	10N (1.02KgF) MIN.
DURABILITY:	1500 CYCLES MIN.

PIN NO.	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9
SIGNAL NAME	V BUS	D-	D+	GND	STDA_SSRX-	STDA_SSRX+	GND_DRAIN	STDA_SSTX-	STDA_SSTX+
REMARK	USB 2.0 CONTACT PINS				USB 3.0 CONTACT PINS				

		DRAWN BY		C.B	690 SERIES RECEPTACLES USB 3.0 TYPE-A RIGHT ANGLE PCB						
		DRAWN DATE		2020-12-17							
		CHECKED BY		J.L							
		RoHS COMPLIANT		CHECK DATE		2025-06-19	PART NUMBER		690B109-223-012		
TOLERANCES				ALL DIMENSIONS AND TOLERANCES IN MM	MATERIAL		LCP		SIZE	A	
					REVISION						
									R2		
		.X	±0.30			SCALE	2 : 1	SHEET	1	OF	1
		.XX	±0.25								
		.XXX	±0.15								