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

ENGINEERING CHANGE NOTICE

		Date:	Document Number
Originator:	**Harsh Patel**	**November 25, 2020**	ECN20201125-00
Phone No.	**(416) 754-3322**		
Email Address:	Hpatel@edac.net	**Revision Number**	**SHEET**
Department	**ENGINEERING**	1	1 of 4

CHANGE TYPE

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

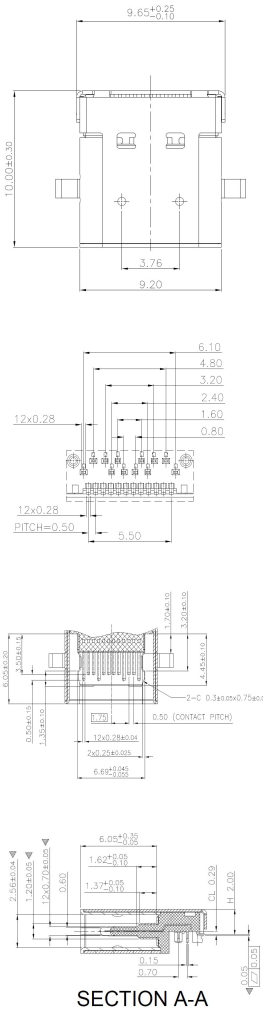
REASON OF CHANGE

New Tooling for the USB 3.1 TYPE-C, 0.29 DIP FEMALE, Applicable for Part No: 690-024-234-031,690-024-334-031,690-024-634-031.

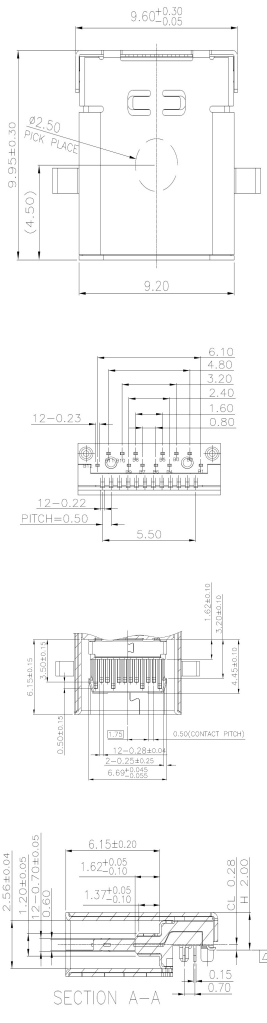
DESCRIPTION OF CHANGE:

1. Old tooling has worn out and need to be replaced by standard tooling.

Old Drawing No
690-024-234-031, Rev-01



New Drawing No
690-024-234-031, Rev-02



2. Effective implementation to distribution is on November 25**, 2020**

Note:- The new revision is a complete plug and play. There is no change in form, fit and function.

PARTIES AFFECTED

- [X] Customer
- [X] Distributors
- [ ] Suppliers
- [ ] NORCOMP
- [ ] MH
- [X] ETW
- [X] ECA
- [X] EDG
- [X] 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 _____

ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)

- [ ] Tooling Rep _____
- [ ] Mfg Eng Rep _____
- [ ] Production Rep _____
- [ ] Materials Rep _____
- [ ] Quality Rep _____
- [ ] Process Eng Rep _____
- [ ] Facilities Rep _____
- [ ] Sales Rep. _____
- [ ] Product Eng. Rep. _____
- [ ] Purchasing Rep _____

APPROVALS FOR ECN INITIATION (REQUIRED)

President _____
Vice President Bob Sakitkovski
MINIMUM OF TWO SIGNATURES REQUIRED

Engineering Manager Ronnie Sta. Monica
Mechanical Engineer Harsh Patel

STATUS

APPROVED ☐
CCS CHANGE REQUEST #

REJECTED ☐
Change REJECTED by:
Rejected Date:

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:

		ANGLE	
0.0	± 0.38	0.	±3°
0.00	± 0.25	0.0	±1°
0.000	± 0.05		

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DO NOT MAKE MANUAL REVISIONS TO MASTER.

ISSUE NUMBER	
ORIGINAL	1
REDRAWN P.M. NOV. 25/2020	2

NOTES:

MATERIAL:

HOUSING: LCP UL94 V-0
CONTACT: COPPER ALLOY
SHELL: SUS304-H,T=0.30±0.03mm
SHILD:SUS304-H,T=0.12±0.03mm

ELECTRICAL:

CONTACT RESISTANCE: 40mΩ MAX
CURRENT: 5A MIN FOR VBUS; 0.25A MIN FOR OTHER.
VOLTAGE: 20 V MAX
WITHSTANDING VOLTAGE: 100V AC
INSULATION RESISTANCE: 100MΩ MIN

MECHANICAL:

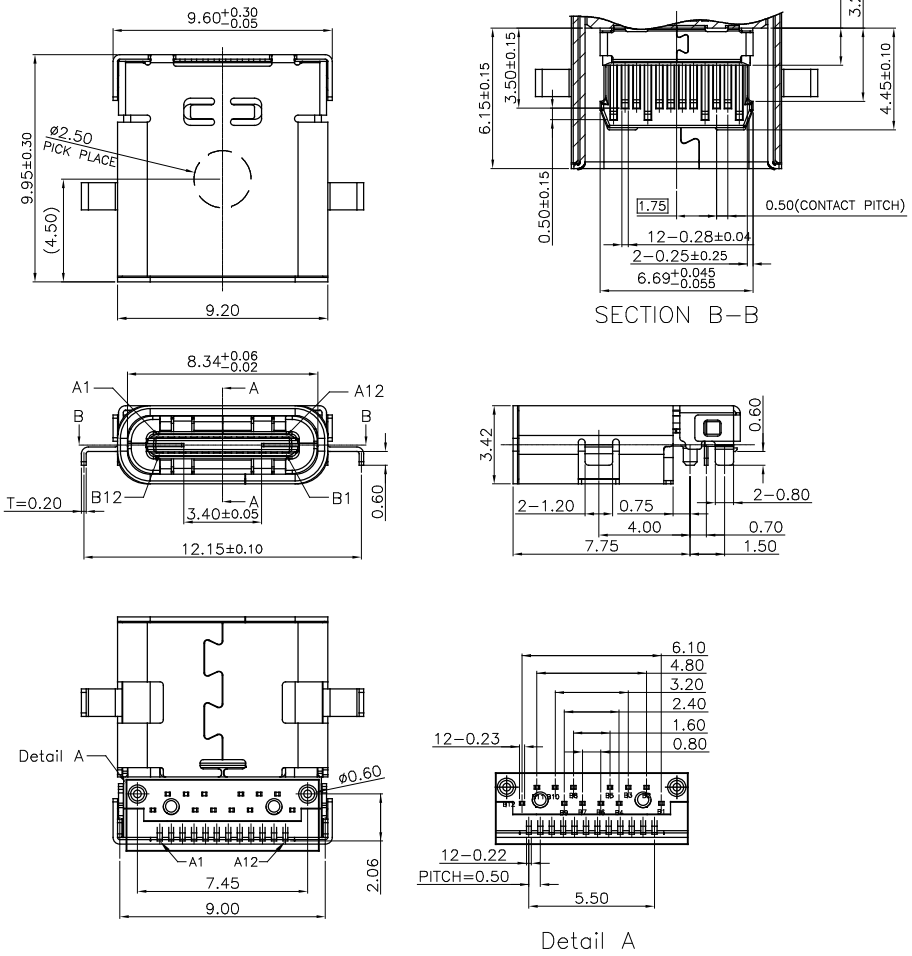
INSERTION: 5~20N.
EXTRACTION: 8~20N.
DURABILITY: 10,000 CYCLES

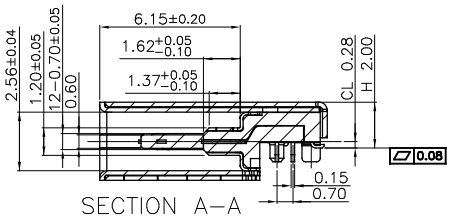
PLATING:

CONTACT: GOLD PLATED Min ON CONTACT AREA,100u"
Min TIN (LEAD FREE) ON SOLDER AREA,
SHELL: 50u"Min NICKEL PLATING ALL OVER.

ENVIRONMENTAL:

TEMPERATURE RANGE -55°C ~ +85°C





PART NUMBERS	
GOLD FLASH	690-024-234-031
15u"GOLD	690-024-334-031
30u"GOLD	690-024-634-031

HYBRID MOUNT (THRU-HOLE AND SURFACE MOUNT)

RoHS COMPLIANT

THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES 2011/65/EU FOR RoHS COMPLIANCY.

USB 3.1 TYPE C, 0.29 DIP FEMALE

EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

ACAD REFERENCE NO.: 690−024−234−031	
DRAWN: N.SONDH	DATE: JUN.23/2015
CHECKED:	DATE:
PART NUMBER: SEE TABLE	SHEET 1 OF 3
DRAWING NUMBER: 690-024-234-031	ISSUE: 2

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:

		ANGLE	
0.0	± 0.38	0.	±3°
0.00	± 0.25	0.0	±1°
0.000	± 0.05		

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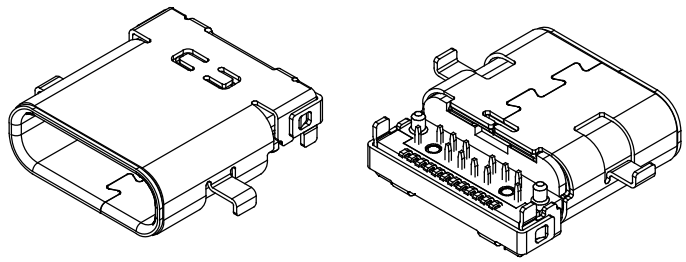

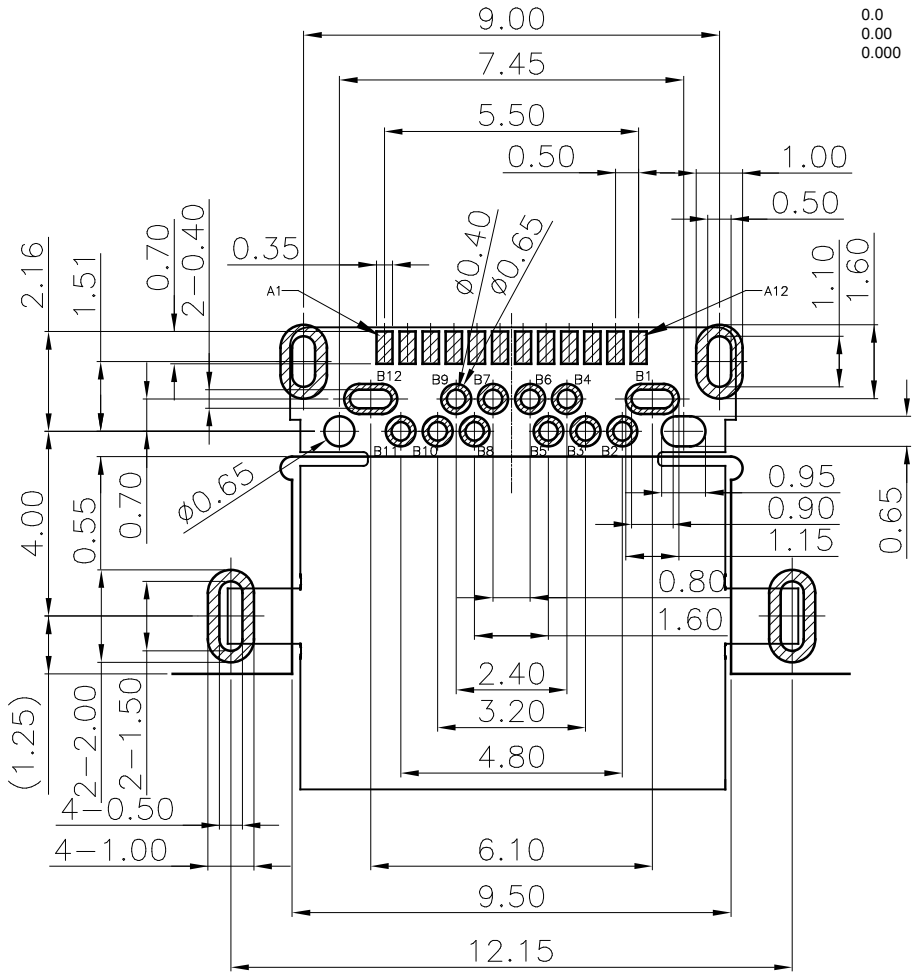

RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05
KEEP OUT AREA

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuraation Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

HYBRID MOUNT (THRU-HOLE AND SURFACE MOUNT)

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USB 3.1 TYPE C, 0.29 DIP FEMALE

EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

ACAD REFERENCE NO.: 690-024-234-031
DRAWN: N.SONDH | DATE: JUN.24/2015
CHECKED: | DATE:
PART NUMBER: SEE TABLE

DRAWING NUMBER: 690-024-234-031
ISSUE: 2

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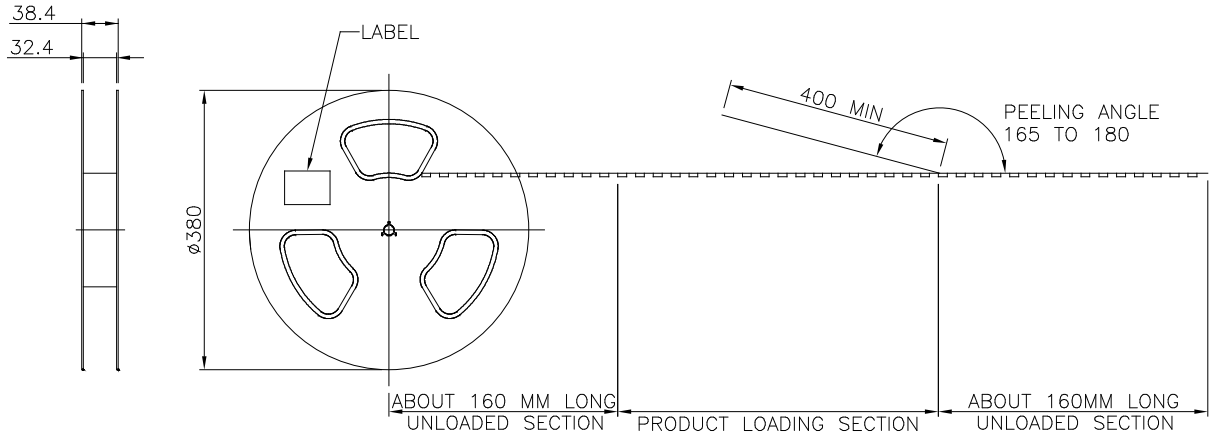

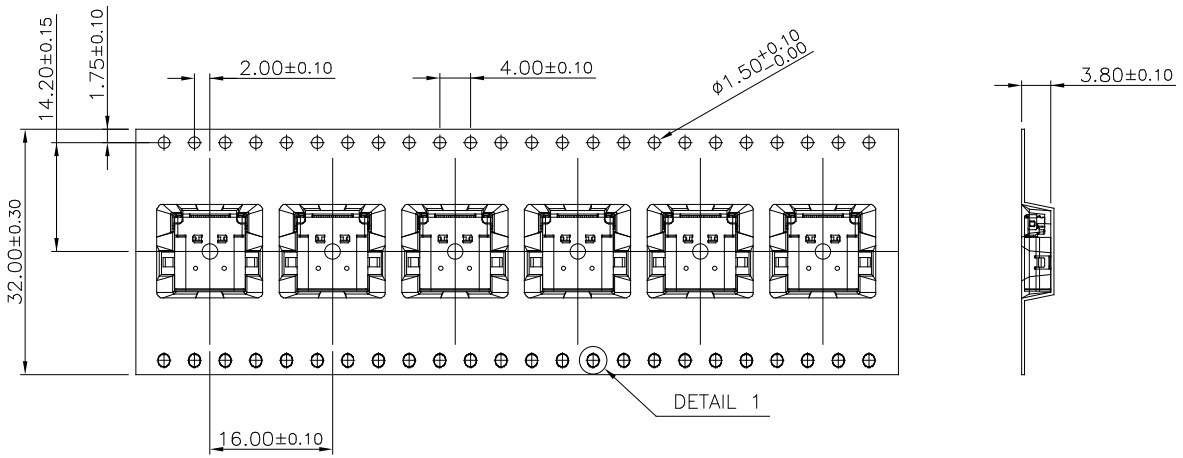

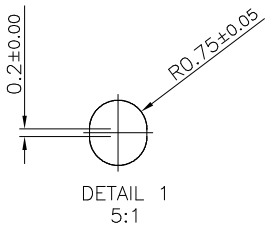

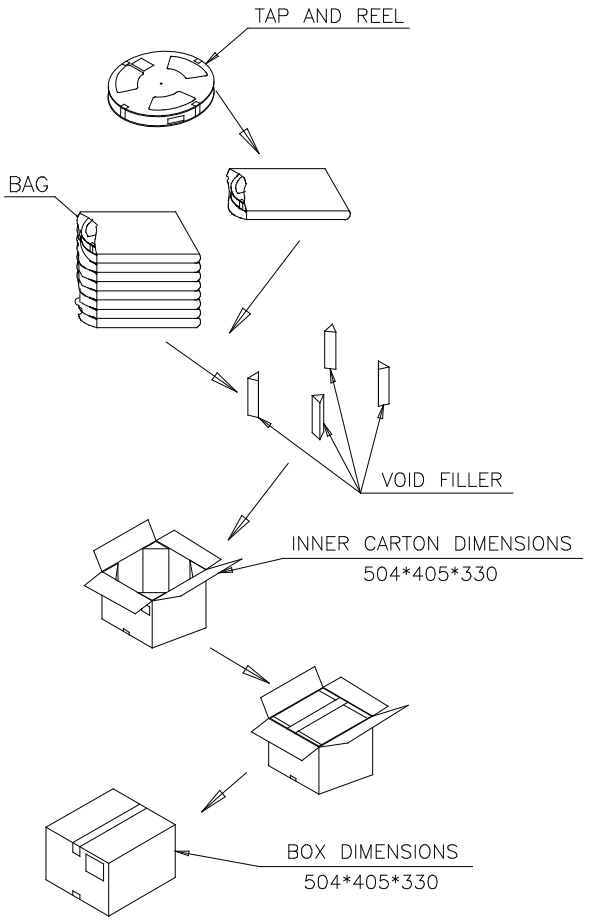

NOTES:
MATERIAL:

- BOX: FIBERBOARD, CORRUGATED, DOUBLE WALL.
- TAPE: POLYSTYRENES, HEAT-RESISTANCE TEMPERATURE: 120°C, BLACK COLOR.
- REEL:POLYSTYRENES, HEAT-RESISTANCE TEMPERATURE: 70°C, BLUE COLOR.
- BAG: POLYSTYRENES, HEAT-RESISTANCE TEMPERATURE: 100°C.
- PEELING STRENGTH: 0.1 TO 1.3 N (10 TO 130 GRAMS).
- PEELING SPEED: 300mm / min
- EACH BAG SHALL BE INCLUDED DESICCANT.

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USB 3.1 TYPE C, 0.29 DIP FEMALE

EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

ACAD REFERENCE NO.: 690−024−234−031	
DRAWN: N.SONDH	DATE: JUN.23/2015
CHECKED:	DATE:
PART NUMBER: SEE TABLE	SHEET 3 OF 3
DRAWING NUMBER: 690-024-234-031	ISSUE: 2