



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

<b>Originator:</b> _____ <b>Phone No.</b> _____ <b>Email Address:</b> _____ <b>Department</b> _____	<b>Harsh Patel</b>	<b>Date:</b> <b>May 13, 2021</b>	<b>Document Number</b> <b>ECN20210513-00</b>
	<b>(416) 754-3322</b>	<b>Revision Number</b> <b>1</b>	<b>SHEET</b> <b>1 of 5</b>
	<b>Hpatel@edac.net</b>		
	<b>ENGINEERING</b>		

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

Discontinuance / End of Life of Part No-690-024-632-031 (USB 3.1 TYPE C FEMALE, 30u" Au Plating) & 690-024-633-031 ( USB 3.1 TYPE C FEMALE SMT, 30u" Au Plating)

DESCRIPTION OF CHANGE:

- EDAC decided to discontinue above parts due to low demand.
- Effective implementation to distribution is on May 13, 2021

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)

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

ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)

<input type="checkbox"/> Tooling Rep _____	<input type="checkbox"/> Process Eng Rep _____
<input type="checkbox"/> Mfg Eng Rep _____	<input type="checkbox"/> Facilities Rep _____
<input type="checkbox"/> Production Rep _____	<input type="checkbox"/> Sales Rep. _____
<input type="checkbox"/> Materials Rep _____	<input type="checkbox"/> Product Eng. Rep. _____
<input type="checkbox"/> Quality Rep _____	<input type="checkbox"/> Purchasing Rep _____

STATUS	
APPROVED	<input type="checkbox"/>
CCS CHANGE REQUEST #	
REJECTED	<input type="checkbox"/>
Change REJECTED by:	
Rejected Date:	

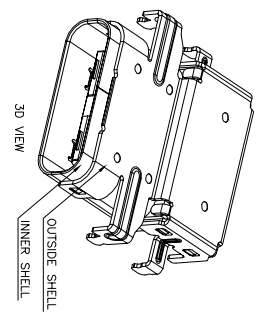
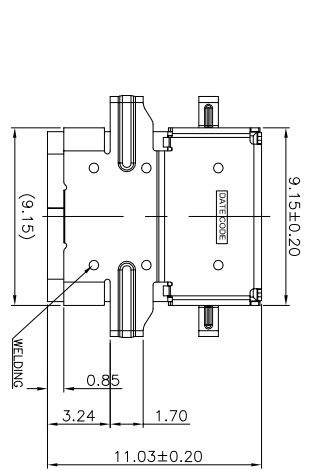
APPROVALS FOR ECN INITIATION (REQUIRED)

	<b>President</b> _____		<b>Engineering Manager</b> _____	<b>Ronnie Sta. Monica</b>
	<b>Vice President</b> <b>Bob Sakitkovski</b>		<b>Mechanical Engineer</b> _____	<b>Harsh Patel</b>

MINIMUM OF TWO SIGNATURES REQUIRED

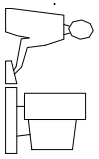


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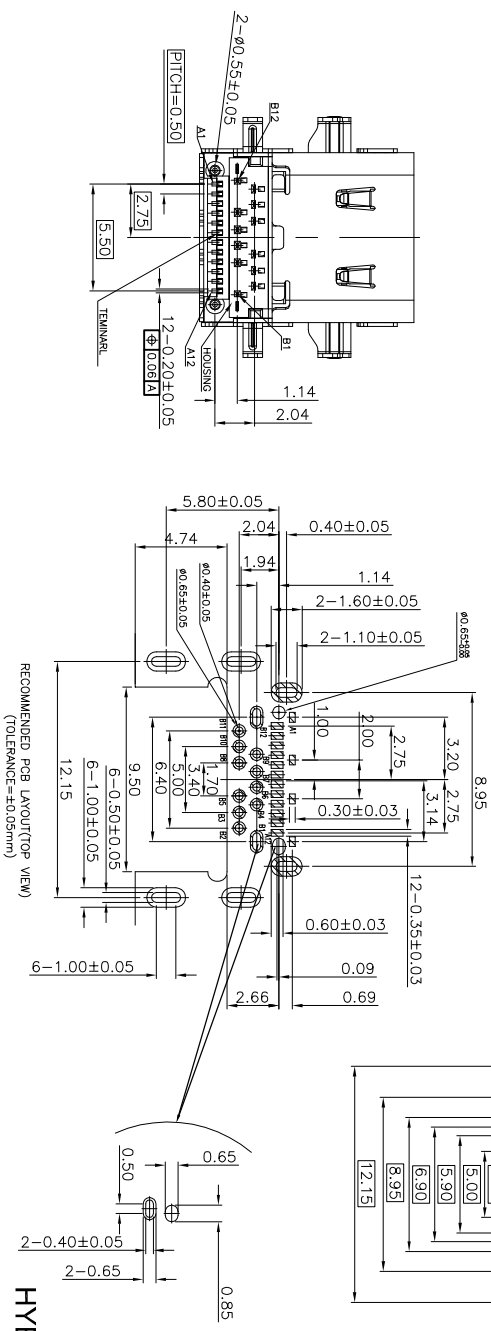
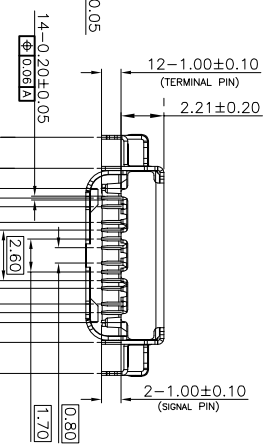
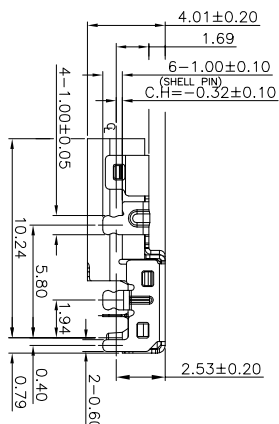
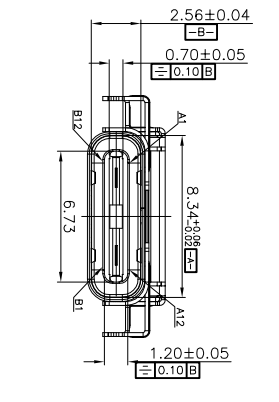


TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:	ANGLE
0.0	0, ±3°
0.00	0.0 ±2°
0.000	±0.15
	0.00 ±1°

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ISSUE NUMBER
CANCEL P/N ORIGINAL ①
690-024-232-031
P.M. MAY.13/2021 ②



HYBRID MOUNT (THRU-HOLE AND SURFACE MOUNT)

PART NUMBERS	
GOLD FLASH	690-024-232-031
15U" GOLD	690-024-332-031

- NOTES:
- MATERIAL:
    - OUTSIDE SHELL: SUS301R-1/2H T=0.20mm
    - INNER SHELL: SUS301R-1/2H T=0.20mm
    - SIGNAL: SUS301R-1/2H T=0.10mm
    - R1 PAD: SUS301R-1/2H T=0.08mm
    - HOUSING: LCP+50%G.F. UL94UL-0 BLACK
    - TERMINAL: COPPER ALLOY T=0.10mm
  - PLATING SPECIFICATION
    - TERMINAL: GOLD PLATING ON MATING AREA, MATTE Sn 120~200u" ON SOLDERING AREA, 80~150u" NICKEL UNDER PLATING OVERALL
    - SHELL: NICKEL PLATED 60u" MIN.
  - MECHANICAL PERFORMANCE
    - INSERTION FORCE: 5N~20N.
    - WITHDRAWAL FORCE: 8N~20N.
    - DURABILITY: 10000 CYCLES.
  - ELECTRICAL PERFORMANCE
    - CURRENT RATING: 1A.
    - ILCCR: CONTACT: 40 mΩ MAX(INITIAL).
    - INSULATION RESISTANCE: UNMATED: 100 MΩ MIN.
    - DIELECTRIC WITHSTAND VOLTAGE: 100V AC.
  - IR REFLOW:
 

THE PEAK TEMPERATURE ON BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260±5°C.
  - OPERATING TEMPERATURE RANGE: -40°C~85°C (WITHOUT LOSS FUNCTION).

# USB 3.1 TYPE C FEMALE

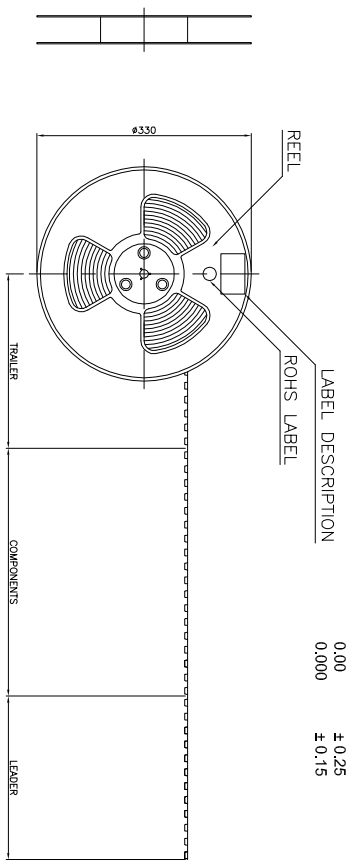
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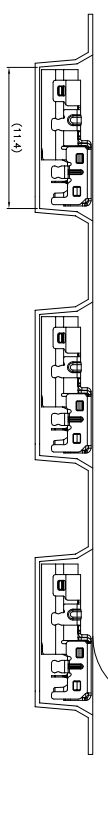
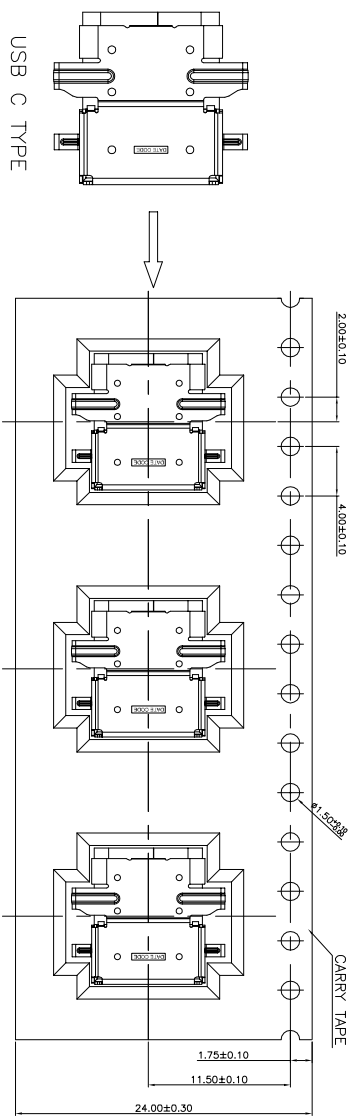
ACAD REFERENCE NO.: 690-024-232-031	DATE: JUN.29/2015
DRAWN: N.SONDH	DATE: MAY. 13/2021
CHECKED: R.S.M.	
PART NUMBER	SHEET 1 OF 2
SEE TABLE	ISSUE
DRAWING NUMBER	2
690-024-232-031	

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:

TOLERANCE	ANGLE
0.0	0°
±0.25	±3°
±0.15	±2°
±0.15	±1°

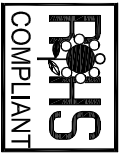
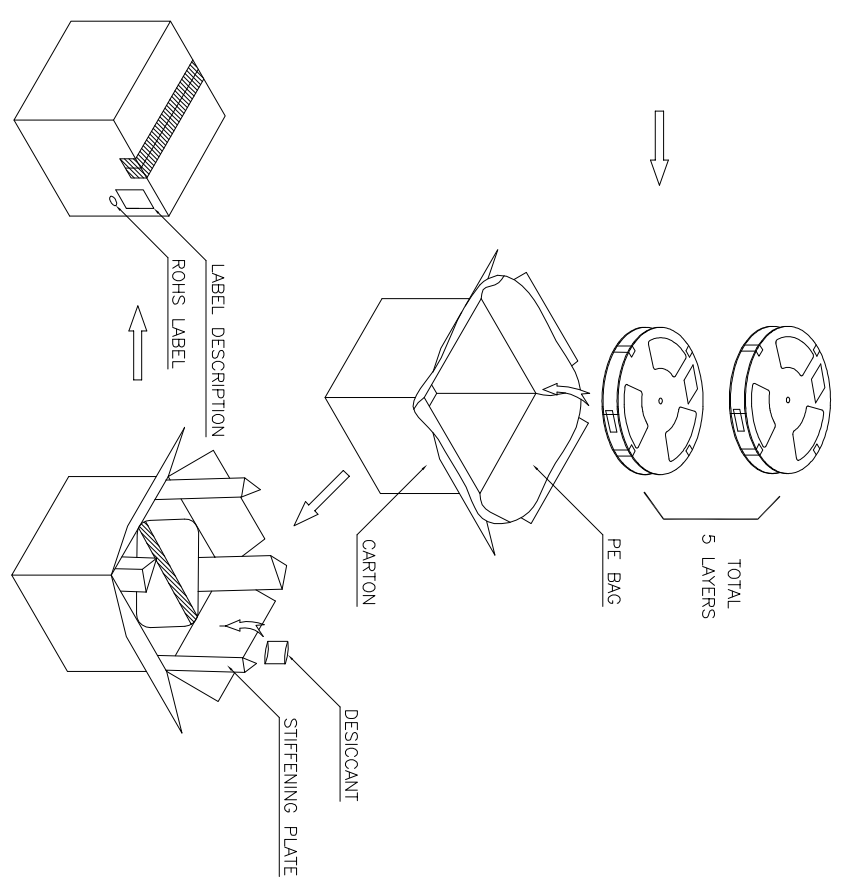


GATHER MATERIAL DIRECTION      INPUT MATERIAL DIRECTION



Notes:

1. THE START AND END OF EACH REEL, BASED ON THE ACTUAL QUANTITY, RESERVED 5--15PCS SPACE;
2. COVER TAPE AND CARRY TAPE PEEL: 10g~130g; PEEL DEG.:165°~175°;
3. QTY: 700PCS/REEL, 5REEL/CARTON, TOTAL 3500PCS/CARTON;



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# USB 3.1 TYPE C FEMALE

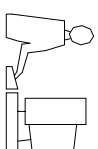
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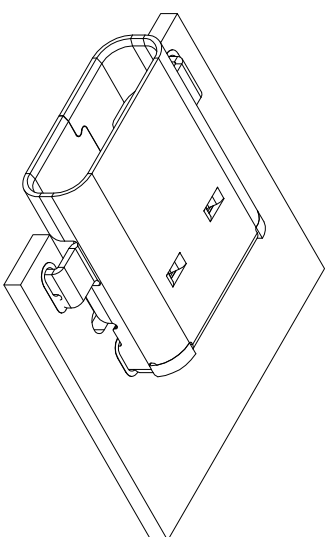
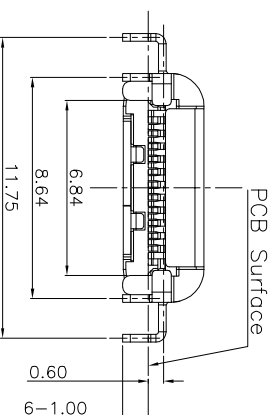
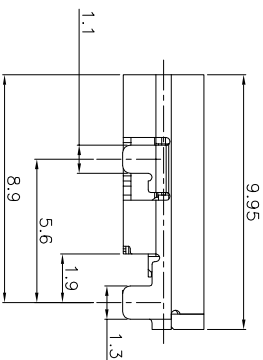
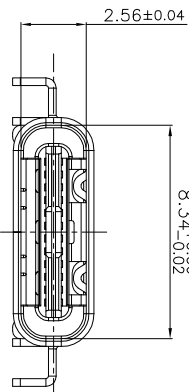
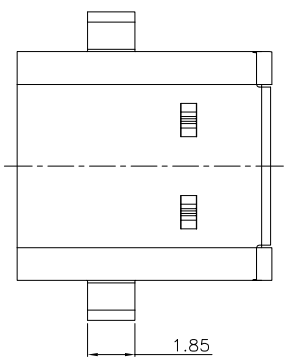
ACAD REFERENCE NO.: 690-024-232-031	
DRAWN: N.SONDH	DATE: JUN.29/2015
CHECKED: R.S.M.	DATE: MAY.13/2021
PART NUMBER	SHEET 2 OF 2
DRAWING NUMBER	ISSUE
690-024-232-031	2

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:  
 .000 ± 0.10  
 .00 ± 0.20  
 .0 ± 0.30  
 ANGLE ± 2

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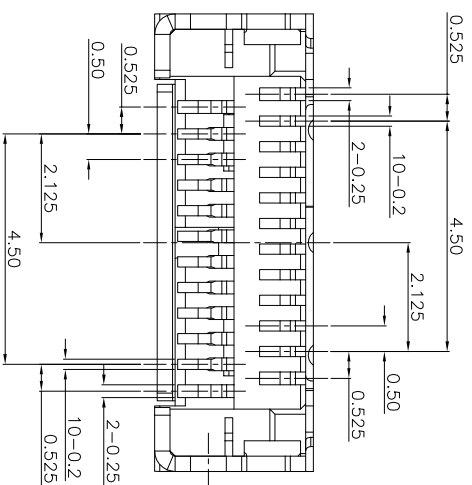
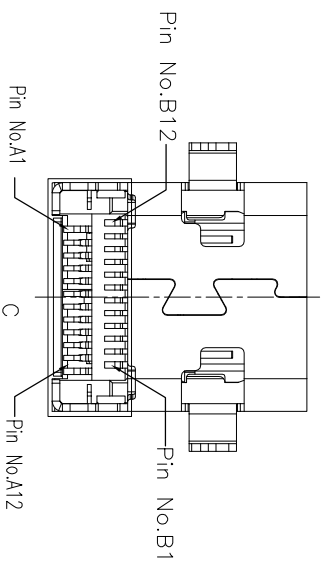
ISSUE NUMBER	ORIGINAL
1	
2	DRAWING UPDATED N.SONDH MAR 01/2016
3	CANCEL PIN 690-024-233-031 MAY 13/2021



PART NUMBERS	
GOLD FLASH	690-024-233-031
15u"GOLD	690-024-333-031

**NOTES:**

- 1.MATERIAL:**  
 HOUSING: LCP,305GF,UL94V-0,COLOR:BLACK  
 CONTACT: COPPER ALLOY  
 SHELL: STAINLESS STEEL  
 GUARD: STAINLESS STEEL  
 SPRING: STAINLESS STEEL
- 2.Finish:**  
 CONTACT: GOLD PLATING ON CONTACT AREA  
 GOLD FLASH PLATING ON SOLDERTAILS  
 80u"Min Ni UNDERPLATING OVER ALL  
 SHELL: 50u"Min NIPPLATING OVER ALL.
- 3.PRODUCT SPECIFICATION:**  
 VOLTAGE RATING:100V AC  
 INSULATION RESISTANCE:100M Ω MIN  
 CONTACT RESISTANCE: 40mΩ MAX  
 INSERT FORCE: 5-20N MAX.  
 EXTRACT FORCE: 8-20N MIN.  
 DURABILITY : 10000 CYCLES



DETAIL C (SCALE 2:1)



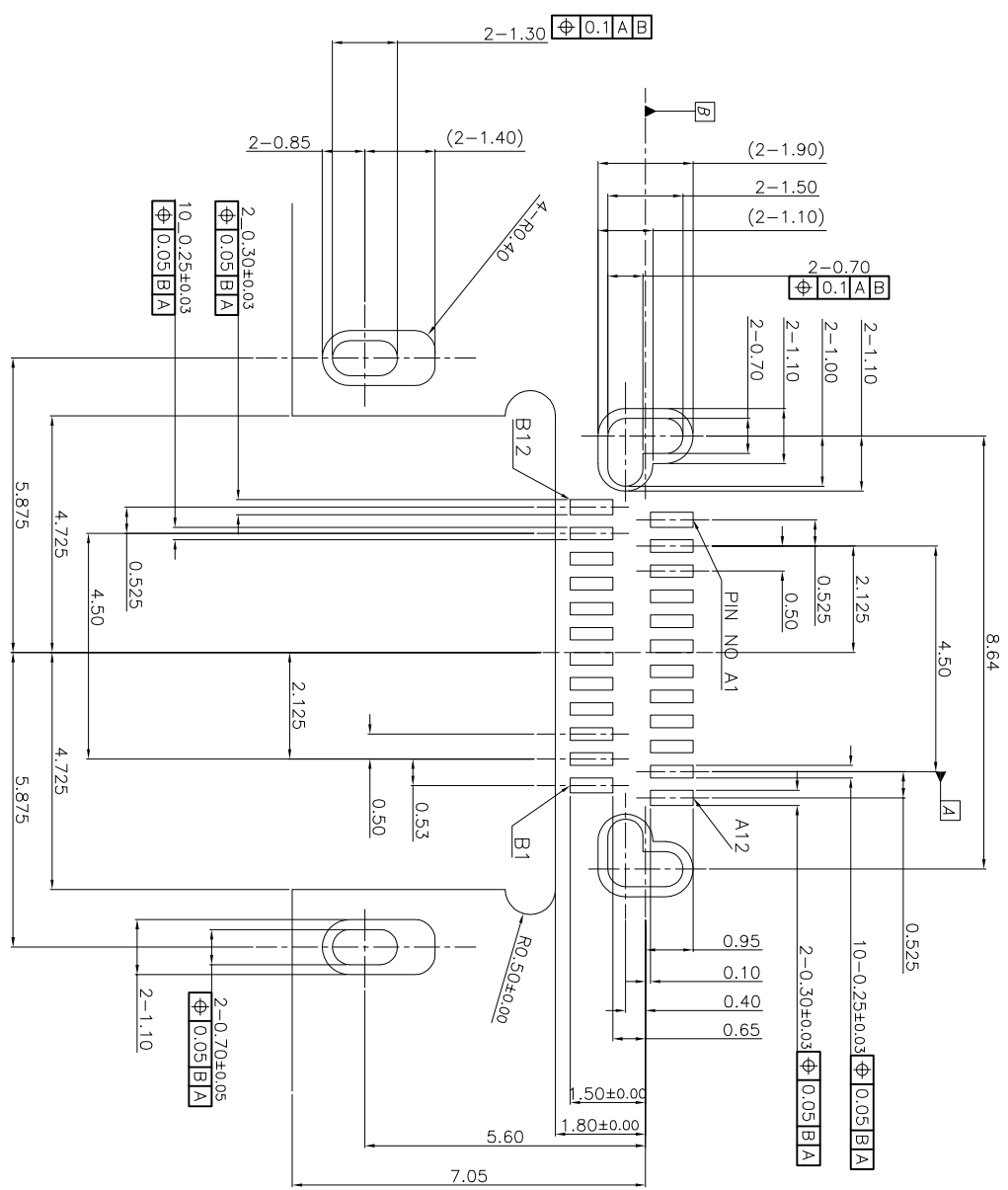
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**USB 3.1 TYPE C FEMALE SMT**

(Mid - Mount, Dual - Row SMT)

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ACAD REFERENCE NO.:	690-024-233-031		
DRAWN:	N.SONDH	DATE:	JUN.24/2015
CHECKED:	R.S.M.	DATE:	MAY.13/2021
PART NUMBER	SEE TABLE	SHEET	1 OF 2
DRAWING NUMBER	690-024-233-031	ISSUE	3

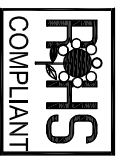
TOLERANCE UNLESS OTHERWISE  
 SPECIFIED IN MM:  
 ± 0.10  
 ± 0.20  
 ± 0.30  
 ± 0.50  
 ANGLE ± 2°



PIN NUMBER	SIGNAL NAME	DESCRIPTION
A1	GND	Ground Return
A2	SSTX+	SuperSpeed differential pair
A3	SSTX-	SuperSpeed differential pair
A4	VBUS	Bus Power
A5	CC1	Configuration Channel
A6	D+	USB 2.0 differential pair
A7	D-	USB 2.0 differential pair
A8	RFU1	Reserved for Future use
A9	VBUS	Bus Power
A10	SSRX-	SuperSpeed differential pair
A11	SSRX+	SuperSpeed differential pair
A12	GND	Ground Return

PIN NUMBER	SIGNAL NAME	DESCRIPTION
B12	GND	Ground Return
B11	SSRX+	SuperSpeed differential pair
B10	SSRX-	SuperSpeed differential pair
B9	VBUS	Bus Power
B8	RFU2	Reserved for Future use
B7	D-	USB 2.0 differential pair
B6	D+	USB 2.0 differential pair
B5	CC2	Configuration Channel
B4	VBUS	Bus Power
B3	SSTX-	SuperSpeed differential pair
B2	SSTX+	SuperSpeed differential pair
B1	GND	Ground Return

NOTE: Tx and Rx are defined from the host perspective



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# USB 3.1 TYPE C FEMALE SMT

(Mid - Mount, Dual - Row SMT)

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DRAWN:	N.SONDH
CHECKED:	R.S.M.
DATE:	JUN:24/2015
DATE:	MAY:13/2021
PART NUMBER	SEE TABLE
DRAWING NUMBER	690-024-233-031
SHEET	2 OF 2
ISSUE	3