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ENGINEERING CHANGE NOTICE

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Department: ENGINEERING

Date:	Document Number
May 1, 2018	ECN20180501-00
Revision Number	SHEET
1	1 of 3

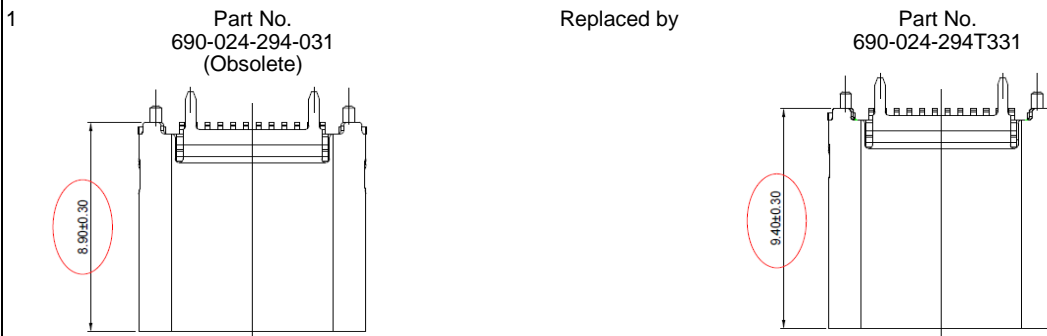
CHANGE TYPE

- 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

Discontinuance / End of Life of 690-024-294-031.

DESCRIPTION OF CHANGE:



2. Effective implementation to distribution is on **May 2nd, 2018**

PARTIES AFFECTED

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Customer | <input type="checkbox"/> NORCOMP | <input checked="" type="checkbox"/> ECA |
| <input checked="" type="checkbox"/> Distributors | <input type="checkbox"/> MH | <input checked="" type="checkbox"/> EDG |
| <input type="checkbox"/> Suppliers | <input checked="" type="checkbox"/> ETW | <input checked="" type="checkbox"/> 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)

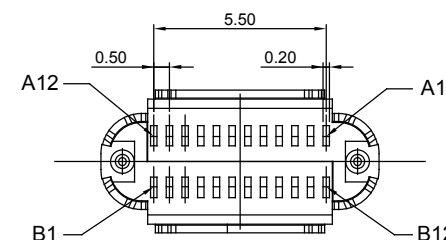
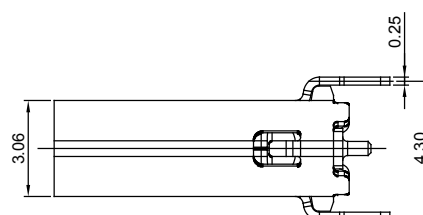
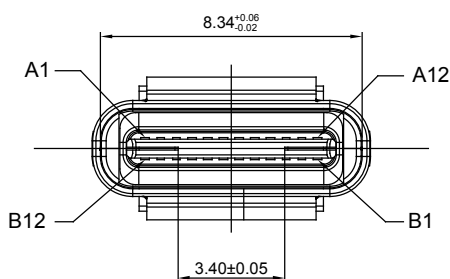
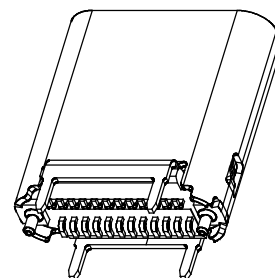
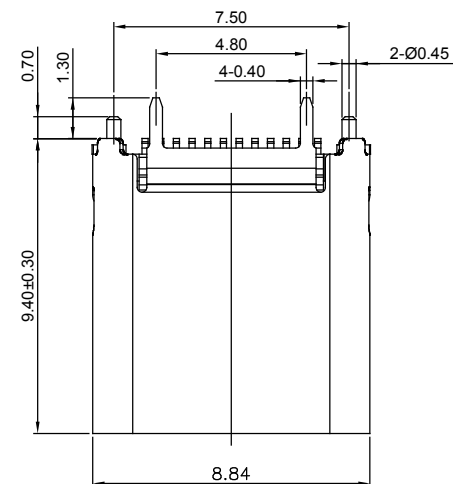
<input type="checkbox"/> <input type="checkbox"/>	President	_____	<input type="checkbox"/> <input checked="" type="checkbox"/>	Engineering Manager	_____
<input type="checkbox"/> <input type="checkbox"/>	Vice President	Bob Sakitkovski	<input type="checkbox"/> <input checked="" type="checkbox"/>	Mechanical Engineer	Yu Zhang

MINIMUM OF TWO SIGNATURES REQUIRED

THIS IS A C.A.D. GENERATED DRAWING
DO NOT MAKE MANUAL REVISIONS TO MASTER.



TOLERANCE UNLESS OTHERWISE SPECIFIED	
X.	±0.50
X.X	±0.30
X.XX	±0.20
X.XXX	±0.10



NOTES:

INSULATOR:
CONTACT:

HIGH TEMPERATURE PLASTIC, UL 94 V-0, BLACK COLOR
COPPER ALLOY, T=0.15mm
GOLD FLASH PLATING ALL OVER 50u" Min NICKEL
80u" Min Matte Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
STAINLESS STEEL, T=0.20mm
50u" Min. NICKEL ALL OVER

SHELL:

CONTACT RESISTANCE:

40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST.
MEASURE AT 20mV, 100mA.

CONTACT CURRENT RATING:

5A FOR VBUS PIN; 1.25A FOR VCONN PIN.

DIELECTRIC WITHSTANDING VOLTAGE:

100V AC R.M.S.

INSULATION RESISTANCE:

100MΩ Min

OPERATING TEMPERATURE:

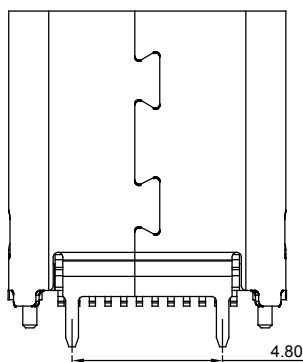
-40°C ~ 85°C

MATING FORCE:

5~20 N.

UNMATED FORCE:

6~20N AFTER TEST.



USB 3.1, TYPE C, FEMALE, VERTICAL, SMT

ACAD REFERENCE NO.: 690-024-294T331

DRAWN: Y.Z

DATE: MAY.01/2018

CHECKED:

DATE:

SCALE: (IN C.A.D. 1:1)

SHEET 1 OF 2

DRAWING NUMBER: 690-024-294T331

ISSUE

PART NUMBER: 690-024-294T331

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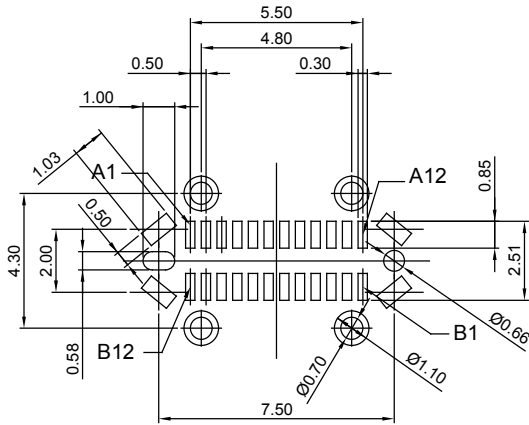
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TORONTO, ONTARIO
CANADA

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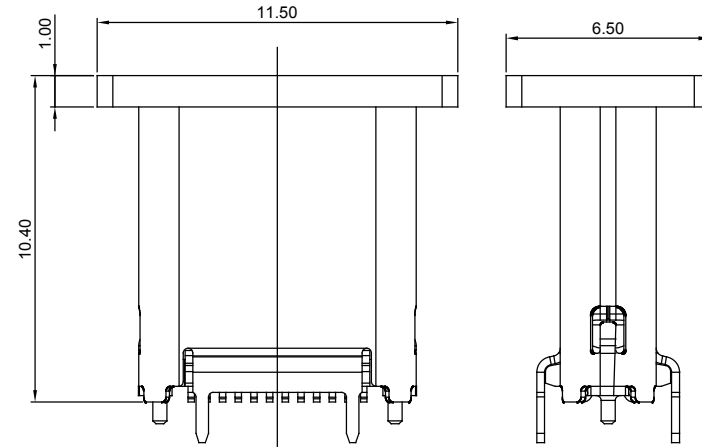
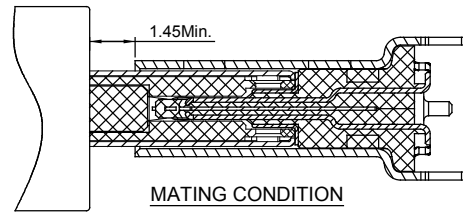


TOLERANCE UNLESS OTHERWISE SPECIFIED	
X.	±0.50
X.X	±0.30
X.XX	±0.20
X.XXX	±0.10

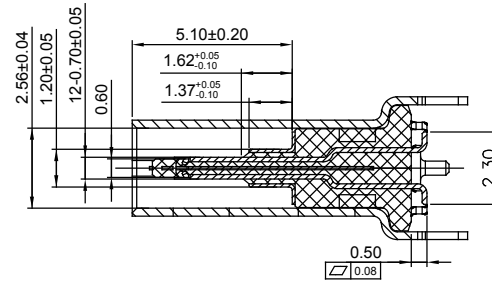
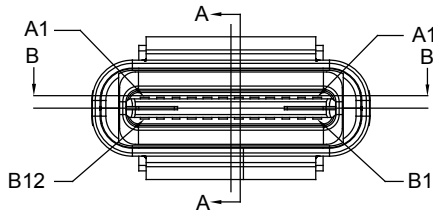


RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05
KEEP OUT AREA

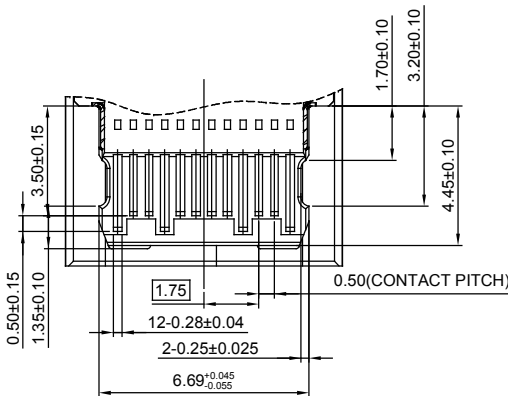


INCLUDE THE DIAGRAMS OF CAP



SECTION A-A

PIN	SIGNAL NAME	MATING SEQUENCE	PIN	SIGNAL NAME	MATING SEQUENCE
A1	GND	FIRST	B12	GND	FIRST
A2	SSTXp1	SECOND	B11	SSRXp1	SECOND
A3	SSTXn1	SECOND	B10	SSRXn1	SECOND
A4	V _{BUS}	FIRST	B9	V _{BUS}	FIRST
A5	CC1	SECOND	B8	SBU2	SECOND
A6	Dp1	SECOND	B7	Dn2	SECOND
A7	Dn1	SECOND	B6	Dp2	SECOND
A8	SBU1	SECOND	B5	CC2	SECOND
A9	V _{BUS}	FIRST	B4	V _{BUS}	FIRST
A10	SSRXn2	SECOND	B3	SSTXn2	SECOND
A11	SSRXp2	SECOND	B2	SSTXp2	SECOND
A12	GND	FIRST	B1	GND	FIRST
SHELL		GND	SHELL		GND



SECTION B-B

USB 3.1, TYPE C, FEMALE, VERTICAL, SMT

ACAD REFERENCE NO.: 690-024-294T331

DRAWN: Y.Z DATE: MAY.01/2018

CHECKED: DATE:

SCALE: (IN C.A.D. 1:1) SHEET 2 OF 2

DRAWING NUMBER: 690-024-294T331

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