



**ENGINEERING CHANGE NOTICE**

<b>Originator:</b> _____ <b>Phone No.</b> _____ <b>Email Address:</b> _____ <b>Department</b> _____	<b>Harsh Patel</b> <b>(416) 754-3322</b> <a href="mailto:Hpatel@edac.net">Hpatel@edac.net</a> <b>ENGINEERING</b>	<b>Date:</b> <b>January 27, 2021</b>	<b>Document Number</b> <b>ECN20210127-00</b>
		<b>Revision Number</b> <b>1</b>	<b>SHEET</b> <b>1 of 3</b>

**CHANGE TYPE**

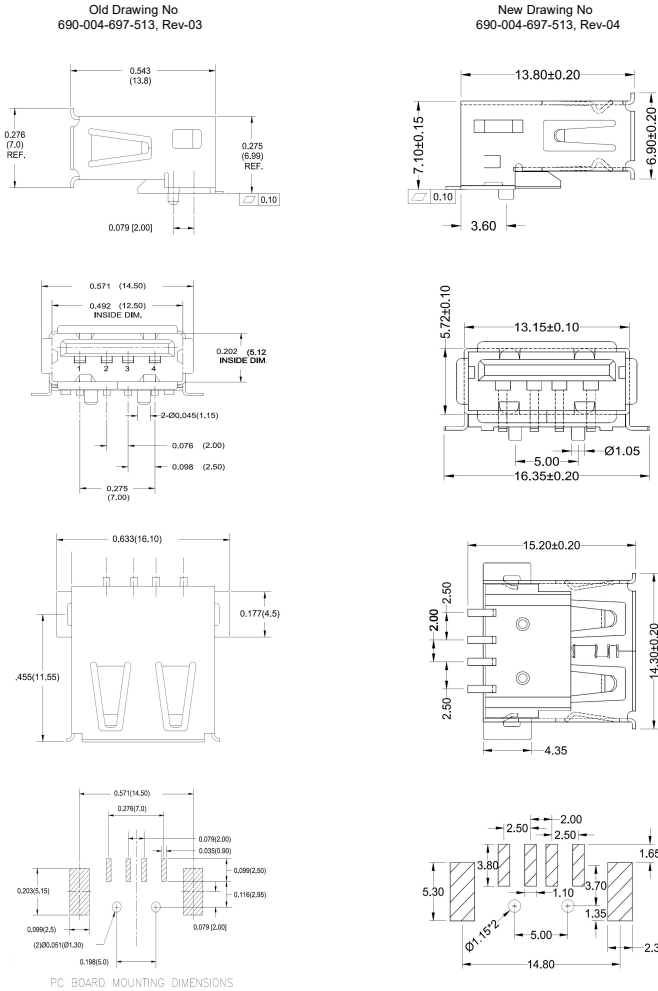
- CLASS I** Customer notification and approval required prior to implementation
- CLASS II** Customer notification only, no approval required
- CLASS III** No customer notification required

**REASON OF CHANGE**

New Tooling implemented for USB CONNECTOR "A" TYPE, RECEPTACLE RIGHT ANGLE WITH POST AND SINGLE DECK(SMT), Applicable for Part No: 690-004-297-513, 690-004-397-513 & 690-004-697-513

**DESCRIPTION OF CHANGE:**

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



2. Effective implementation to distribution is on January 27, 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)

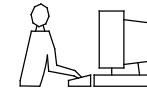
- Submit Quote \_\_\_\_\_
- Prod. Trial Run \_\_\_\_\_
- Run at Rate \_\_\_\_\_
- PPAP from Supplier \_\_\_\_\_
- MRD of Production Parts \_\_\_\_\_

ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)		STATUS
Tooling Rep _____ Mfg Eng Rep _____ Production Rep _____ Materials Rep _____ Quality Rep _____	Process Eng Rep _____ Facilities Rep _____ Sales Rep. _____ Product Eng. Rep. _____ Purchasing Rep _____	<b>APPROVED</b> <input type="checkbox"/> <b>CCS CHANGE REQUEST #</b>

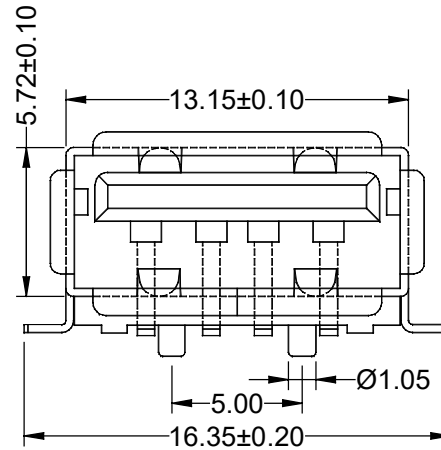
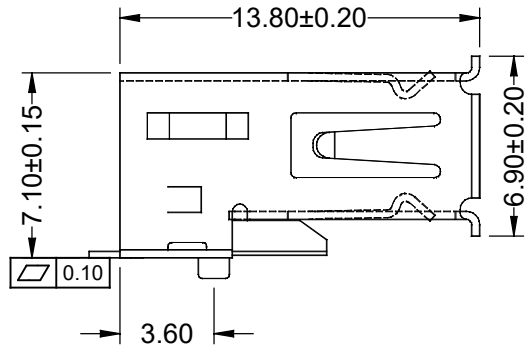
APPROVALS FOR ECN INITIATION (REQUIRED)		REJECTED
<input checked="" type="checkbox"/> <b>President</b> _____ <input checked="" type="checkbox"/> <b>Vice President</b> <b>Bob Sakitkovski</b>	<input checked="" type="checkbox"/> <b>Engineering Manager</b> <b>Ronnie Sta. Monica</b> <input checked="" type="checkbox"/> <b>Mechanical Engineer</b> <b>Harsh Patel</b>	<b>Change REJECTED by:</b> <input type="checkbox"/> <b>Rejected Date:</b>

MINIMUM OF TWO SIGNATURES REQUIRED

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



ISSUE NUMBER	
ORIGINAL	①
ADD TAPE & REEL PACKAGING R.STA.MONICA OCT.29/2013	②
ADD FLATNESS SPECS 0.10 R.STA.MONICA NOV.25/2013	③
REDRAWN P.M. JAN. 26/2021	④



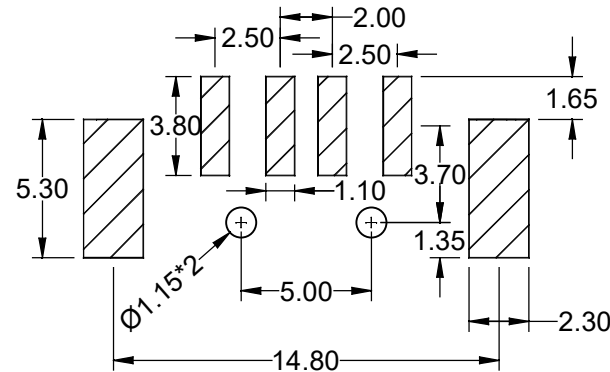
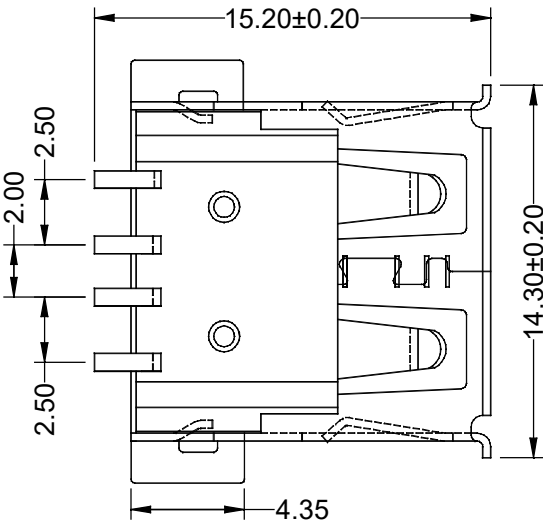
**SPECIFICATIONS:**

**ELECTRICAL:**

- 1 - CURRENT RATING : 1.5A
- 2 - VOLTAGE RATING : 30V DC
- 3 - CONTACT RESISTANCE : 30 MILLIOHMS MAX
- 4 - DIELECTRIC WITHSTANDING VOLTAGE : 500 V AC FOR 1 MINUTE
- 5 - INSULATION RESISTANCE : 1000MEGA OHMS MIN

**MATERIAL:**

- 1 - HOUSING : HIGH TEMPERATURE THERMOPLASTICS, UL 94V-0 LCP Black
- 2 - CONTACT : COPPER ALLOY C2680, GOLD PLATE ON CONTACT AREA (SEE TABLE), TIN ON TAIL
- 3 - SHELL : COPPER ALLOY C2680/SPCC, NICKEL PLATED



GOLD FLASH	297 CONTACT CODE
15 MICROINCHES OF GOLD	397 CONTACT CODE
30 M ICROINCHES OF GOLD	697 CONTACT CODE

PART NUMBER: 690-004-697-513

CONTACT CODE



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

**USB CONNECTOR "A" TYPE, RECEPTACLE RIGHT ANGLE WITH TAPE AND REEL PACKAGING**



YOUR CONNECTION TO QUALITY & SERVICE

EDAC INC  
TORONTO, ONTARIO  
CANADA

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ACAD REFERENCE NO.: 690-004-697-513

DRAWN: R.S.M.

DATE: OCT.29/2013

CHECKED: R.S.M.

DATE: JAN. 26/2021

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

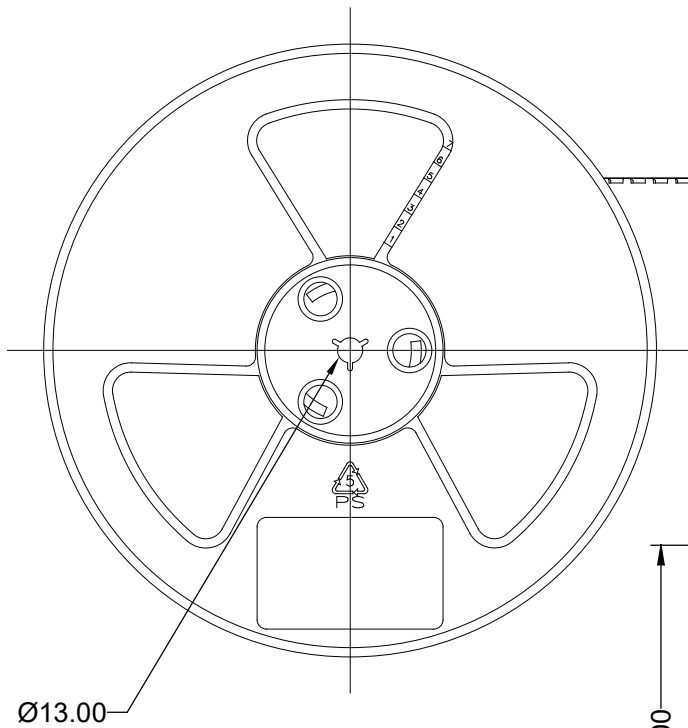
SHEET 1 OF 2

DRAWING NUMBER: 690-004-697-513

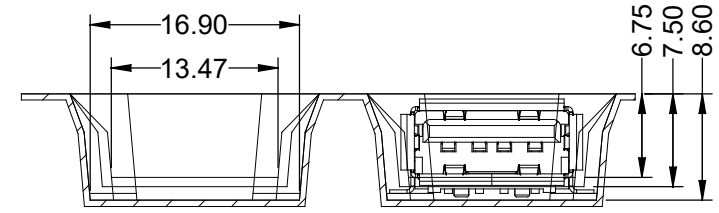
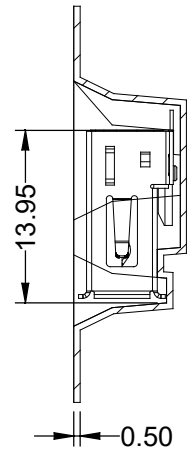
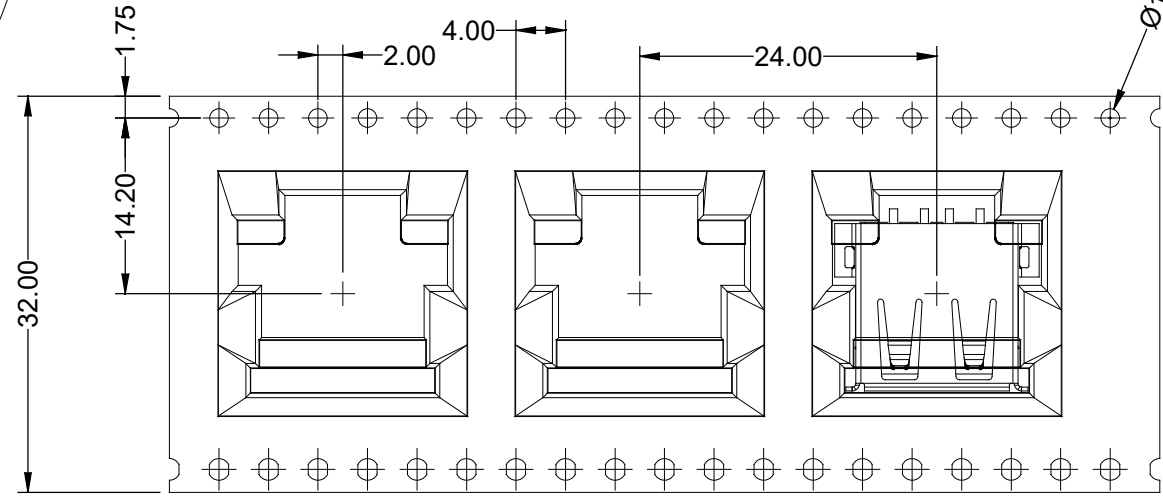
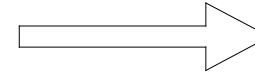
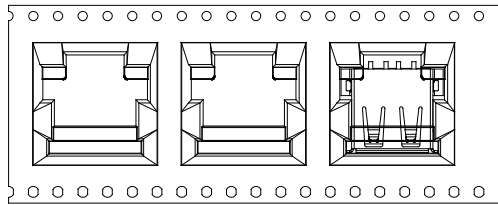
ISSUE

PART NUMBER: 690-004-697-513

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DIRECTION OF UNLOADING →



**TAPE AND REEL SPECIFICATIONS:**

1. THE HOLE PITCH: 4.00±0.20
2. THE TAPE LENGTH: 250.00, WARPING TOLERANCE: ±1.00
3. REEL SIZES AND DIMENSIONS ARE AS PER EIA-481-C
4. TAPE MATERIAL: ANTISTATIC PS, BLACK COLOR, 0.50 THICK
5. REEL OD: Ø330.20

**USB CONNECTOR "A" TYPE, RECEPTACLE RIGHT ANGLE  
WITH TAPE AND REEL PACKAGING**

ACAD REFERENCE NO.: 690-004-697-513

DRAWN: R.S.M.

DATE: OCT.29/2013

CHECKED: R.S.M.

DATE: JAN. 26/2021

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

SHEET 2 OF 2

DRAWING NUMBER: 690-004-697-513

ISSUE

PART NUMBER: 690-004-697-513

4



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