



<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>May 6, 2021</b>	<b>Document Number</b> <b>ECN20210506-00</b>
		<b>Revision Number</b> <b>1</b>	<b>SHEET</b> <b>1 of 2</b>

**CHANGE TYPE**

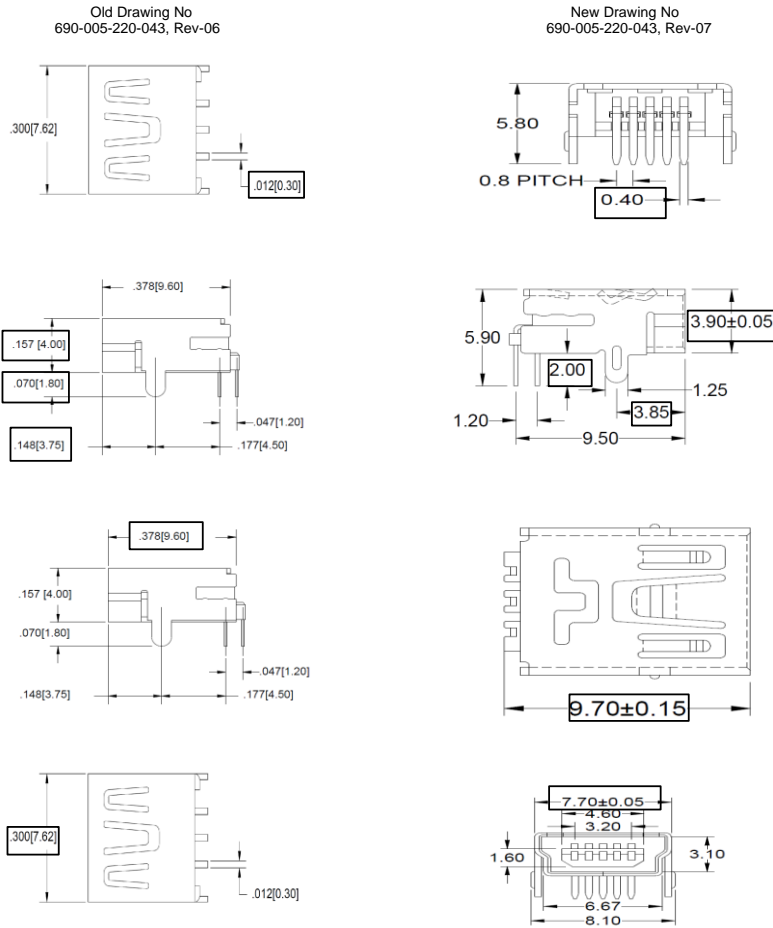
- CLASS I** Customer notification and approval required prior to implementation
- CLASS II** Customer notification only, no approval required
- CLASS III** No customer notification required

**REASON OF CHANGE**

New Tooling implemented for P/N- 690-005-220-043 (USB MINI B TYPE RECEPTACLE RIGHT ANGLE)

**DESCRIPTION OF CHANGE:**

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



2. Effective implementation to distribution is on May 06, 2021

Note:- There is no any change in form, fit and function.

**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)	
_____ Tooling Rep	_____ Process Eng Rep
_____ Mfg Eng Rep	_____ Facilities Rep
_____ Production Rep	_____ Sales Rep.
_____ Materials Rep	_____ Product Eng. Rep.
_____ Quality Rep	_____ 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"/> _____ <b>President</b>	<input checked="" type="checkbox"/> _____ <b>Engineering Manager</b> <b>Ronnie Sta. Monica</b>
<input checked="" type="checkbox"/> _____ <b>Vice President</b> <b>Bob Sakitkovski</b>	<input checked="" type="checkbox"/> _____ <b>Mechanical Engineer</b> <b>Harsh Patel</b>

MINIMUM OF TWO SIGNATURES REQUIRED

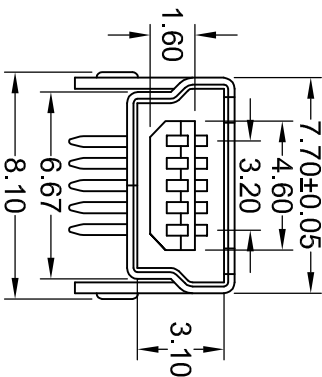
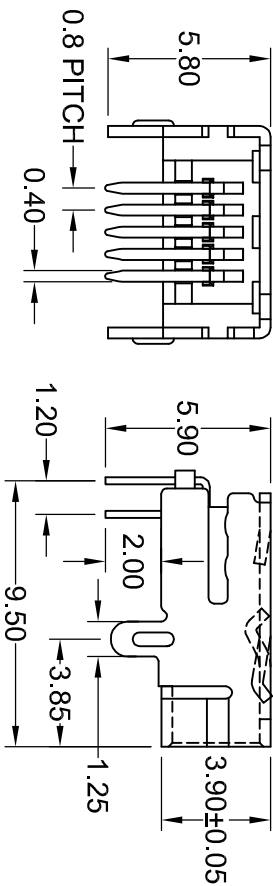
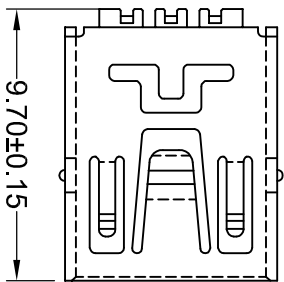
ISSUE NUMBER

ORIGINAL	①
P/N WAS 692-005-220-013 R.BLAKELEY OCT28/04	④
REF. TO ROHS ADDED R.BLAKELEY FEB.28/08	⑤
F/PRINT .177 WAS .152 F.BRIONES NOV.17/09	⑥
REDRAWN P.M. MAY. 04/2021	⑦

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TOLERANCE UNLESS OTHERWISE

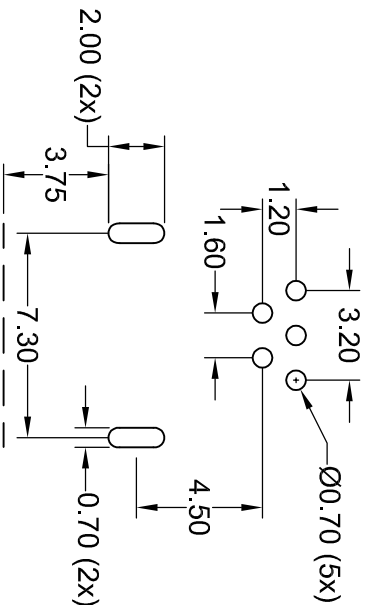
SPECIFIED IN MM:	
X	±0.38
XX	±0.30
XXX	±0.15
X°	±5°
XX°	±3°



**SPECIFICATIONS**

- ELECTRICAL:
- CURRENT RATING: 1.0A/CONTACT TERMINAL
- VOLTAGE RATING: 30V DC
- CONTACT RESISTANCE: 50mΩ MAX
- INSULATION RESISTANCE: 100MΩ MIN
- DIELECTRIC WITHSTANDING VOLTAGE: 300V AC AT SEA LEVEL
- MECHANICAL:
- CONNECTOR MATE AND UNMATE FORCE:
- MATE FORCE: 3.0kgf (MAX)
- UNMATE FORCE: 0.7kgf (MIN)
- TERMINAL RETENTION: 0.5kgf (MIN)
- MATERIAL:
- HOUSING: LCP BLACK, UL 94V-0
- CONTACT: COPPER ALLOY, GOLD-FLASH ON MATING AREA  
TIN ON SOLDER TAILS
- SHELL: COPPER ALLOY, NICKEL PLATED

**RECOMMENDED P.C.B. LAYOUT**



**USB MINI B TYPE RECEPTACLE  
RIGHT ANGLE**

**EDPAC**  
TORONTO, ONTARIO  
CANADA

EDAC INC  
TORONTO, ONTARIO  
CANADA

ACAD REFERENCE NO.:	690-005-220-043
DRAWN:	F.BRIONES
DATE:	MAY 14/02
CHECKED:	R.S.M.
DATE:	MAY. 04/2021
SCALE:	(IN C.A.D. 1:1)
SHEET	1 OF 1
DRAWING NUMBER:	690-005-220-043
ISSUE	7
PART NUMBER:	690-005-220-043



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