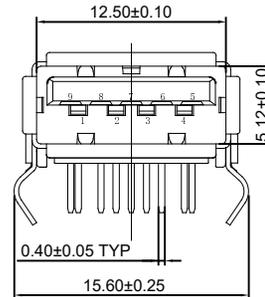
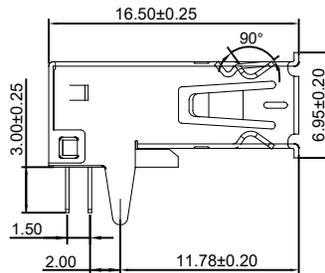
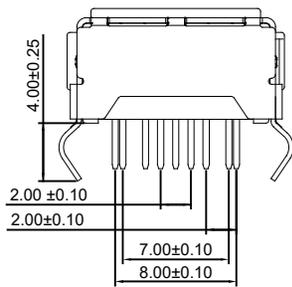
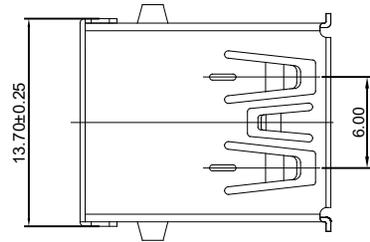


TOLERANCE:	
X	±0.40
X.X	±0.30
X.XX	±0.25
X.XXX	±0.15
X. <sup>o</sup> ±1°	X.X <sup>o</sup> ±0.05°

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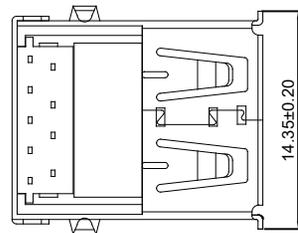
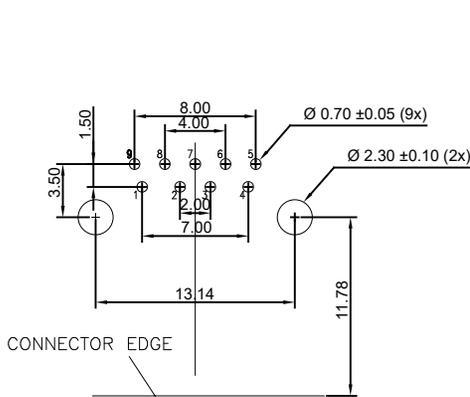


ISSUE NUMBER	
ADD P/N: 690-009-521T013 AND 690-009-621T013 R.STA.MONICA JUN.01/10	8
690-009-521-313 WAS 690-009-521T013 AND 690-009-621-313 WAS 690-009-621T013, ADD TAPE & REEL AND PCB TOLERANCE R.STA.MONICA JUN.07/10	9
ADD POSITION NOS. AT PCB LAYOUT F.BRIONES MAY.11/2012	10
300PCS WAS 350PCS/REEL R.STA.MONICA NOV.20/2014	11
UPDATE DRAWING	12
LCP WAS PBT UPDATE NOTE H.D AUG.20/2019	13
13.20 WAS 13.10 3.00 WAS 3.70 H.D AUG.28/2019	14
1.95 WAS 2.05 ADD PCB LAYOUT HOLE DIA. ADD PACKAGING DWG. FOR 690-009-621-013 P.M. OCT. 17/2019	15
REDRAWN P.M. JAN. 05/2021	16



**NOTE:**

- MATERIAL:**  
HOUSING: PA9T+30%GF, UL94V-0, BLUE  
CONTACT: COPPER ALLOY  
SHELL: COPPER ALLOY
- FINISH:**  
CONTACT: SELECTIVE GOLD PLATING (SEE TABLE),  
WITH 50u" MIN. TIN PLATING ON SOLDER TAIL AREA,  
ALL OVER 30u" MIN. NICKEL UNDERPLATING.  
SHELL: 50u" MIN. NICKEL UNDERPLATING OVER ALL.
- SPECIFICATION:**
  - VOLTAGE CURRENT RATING:** 1.5 A. 30V AC  
**INSULATION RESISTANCE:**  
100MΩ MIN. AT 100V DC FOR 1MINUTE.  
**WITHSTANDING VOLTAGE:** 100V AC FOR 1MINUTE  
**CONTACT RESISTANCE:**  
30MΩ(MAX) INITIAL FOR VBUS AND GND CONTACTS.  
50MΩ(MAX) INITIAL FOR ALL OTHER CONTACTS.
  - CHARACTERISTICS:**  
**MATING FORCE:** 35N(3.57KGF) MAX.  
**UNMATING FORCE(WITHOUT LOCK):** 10N(1.02KGF) MIN.  
**DURABILITY:** 1500 CYCLES MIN.
  - OPERATING TEMPERATURE:** -55°C TO +85°C



PART NUMBERS	GOLD PLATING	PACKAGING DETAIL
690-009-521-013	15 u" OF GOLD	TAPE AND REEL
690-009-521-313	15 u" OF GOLD	PLASTIC TRAY
690-009-621-013	30 u" OF GOLD	TAPE AND REEL
690-009-621-313	30 u" OF GOLD	PLASTIC TRAY



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

TOLERANCE: ±0.05,  
RECOMMENDED PCB LAYOUT  
(TOP VIEW)

**USB-A RECEPTACLE 90° DIP, 3.0 VERSION**

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

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WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO.	690-009-521-013
DRAWN: C.B	DATE: AUG.16/16
PART NUMBER	SEE ABOVE
DRAWING NUMBER	690-009-521-013
ISSUE	16

SHEET 1 OF 2

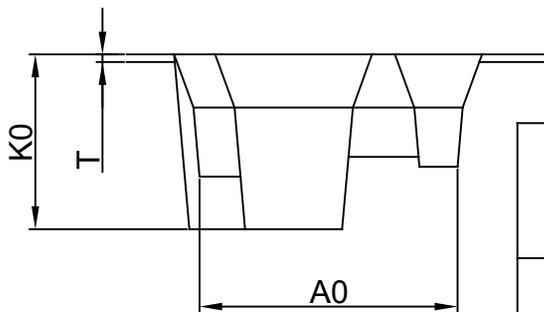
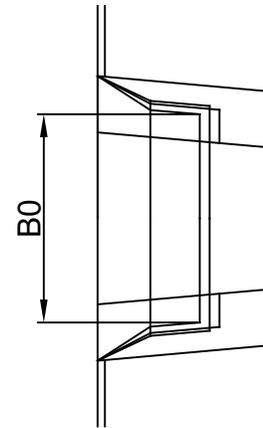
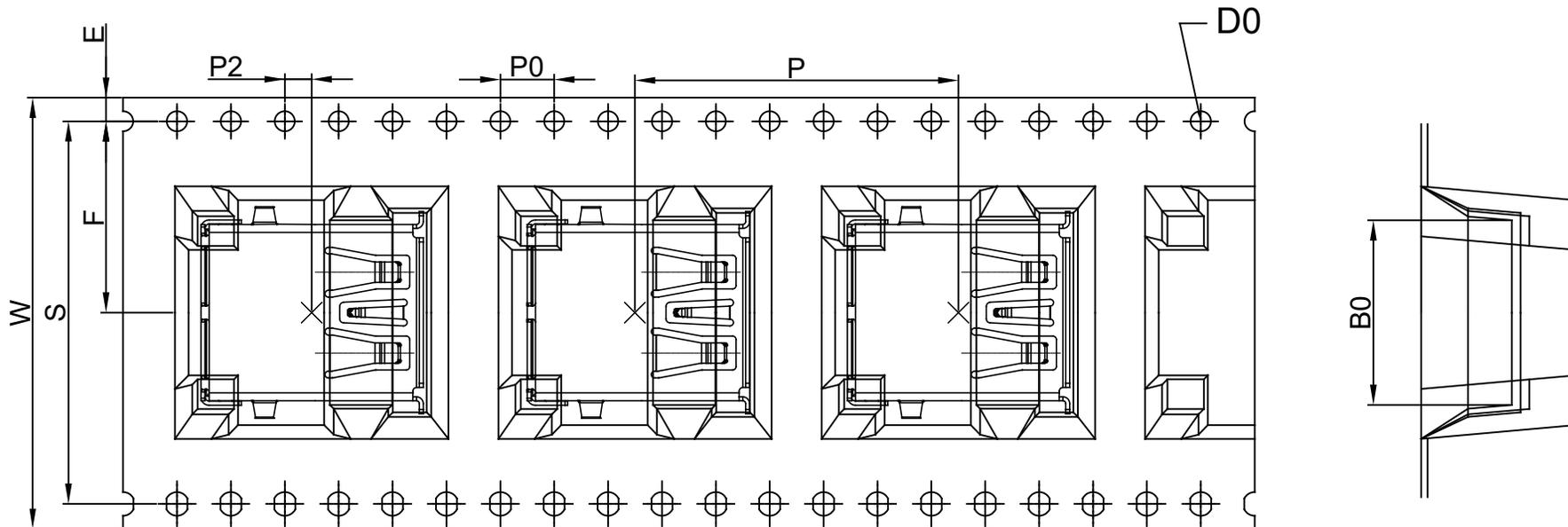
W	32.00 ± 0.30	P	24.00 ± 0.10	A0	17.00 ± 0.10	B0	13.70 ± 0.10
S	28.40 ± 0.10	P0	4.00 ± 0.10	A1		B1	
E	1.75 ± 0.10	P2	2.00 ± 0.10			B2	
F	14.20 ± 0.10	D0	$\varnothing 1.50 \begin{smallmatrix} +0.10 \\ -0 \end{smallmatrix}$	K0	11.5 ± 0.10	K1	
T	0.50 ± 0.05	D1					

TOLERANCE:	
X	±0.40
XX	±0.30
XXX	±0.25
XXXX	±0.15
X° ±1°	X'X° ±0.05°

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- 1- Accumulated error of any ten chain holes does not exceed +/- 0.2 mm
- 2- Non-parallel of distance of 250mm in the longitudinal direction of the carrier tape shall not exceed 1mm
- 3- Material: black, PS.
- 4- All dimensions meet the requirement of 'EIA-481-D'
- 5- 13" disk, 5.4m per reel. 200pcs. Leave 14pcs empty at start and another 14 pcs at end.
- 6- Meet ROHS



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

<b>TAPE &amp; REEL PACKAGING</b> <b>FOR 690-009-621-013</b>		ACAD REFERENCE NO. 690-009-521-013	
		DRAWN: P.M.	DATE: OCT. 17/2019
 <b>EDAC INC</b> TORONTO, ONTARIO CANADA YOUR CONNECTION TO QUALITY & SERVICE		<b>690-009-621-013</b>	
		SHEET 2 OF 2	
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		ISSUE 16	