



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

Originator: _____ Phone No. _____ Email Address: _____ Department _____	Reza Esmaeili	Date:	Document Number
	(416) 754-3322	March 24, 2020	ECN20200324-00
	resmaeili@edac.net	ECN Revision Number	SHEET
	ENGINEERING	1	1 of 3
		Part Number	Dwg Revision Number
		690-W05-290-483	9

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

Improvement of retention force and structure by maintaining water resistance

DESCRIPTION OF CHANGE:

Clear Silicone (Rev 8) replaced by pre-heated Black Epoxy (Rev 9)
Also Epoxy retention force of minimum 20 Kgf has been added on the drawing

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"/> MFD 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 _____

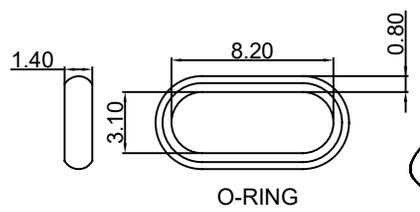
STATUS	
APPROVED	■
CCS CHANGE REQUEST #	

APPROVALS FOR ECN INITIATION (REQUIRED)

<input checked="" type="checkbox"/> President _____ <input checked="" type="checkbox"/> Vice President Bob Sakitkovski	<input checked="" type="checkbox"/> Engineering Manager Ronnie Sta. Monica <input checked="" type="checkbox"/> Mechanical Engineer Reza Esmaeili
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MINIMUM OF TWO SIGNATURES REQUIRED

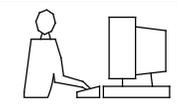
REJECTED	■
Change REJECTED by:	
Rejected Date:	



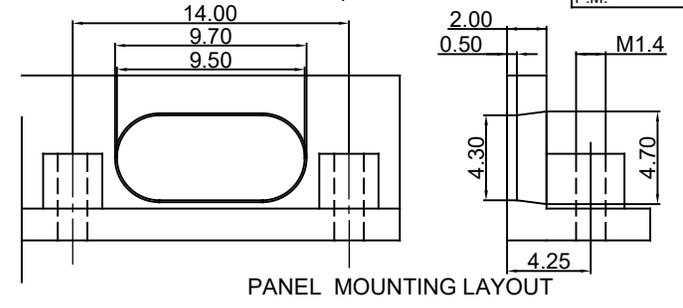
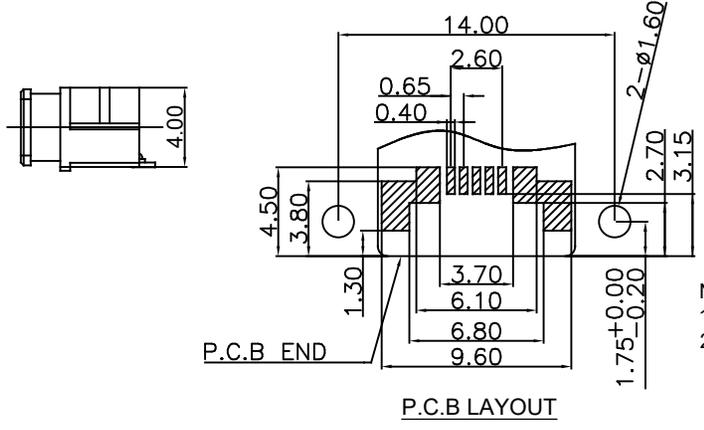
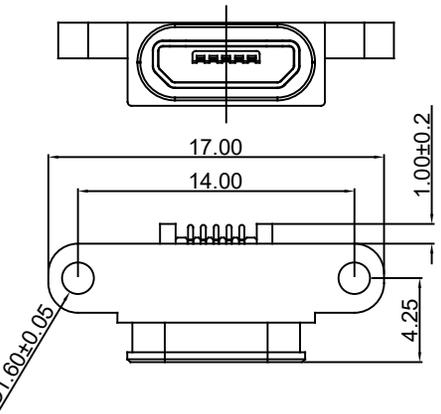
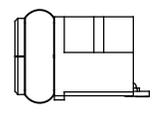
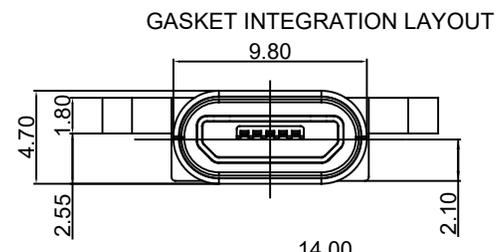
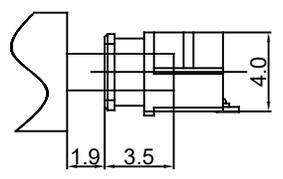
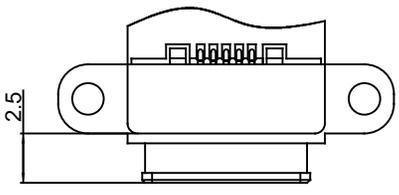
TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:
 0 ±0.2
 0.00 ±0.1
 0.000 ±0.05

ANGLE ±1°

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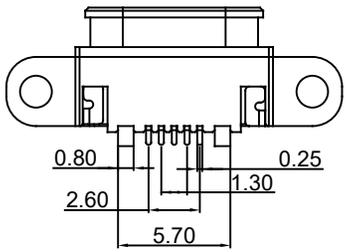
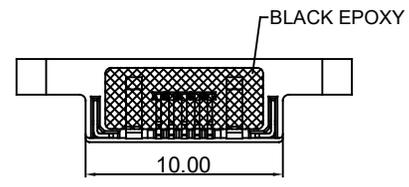
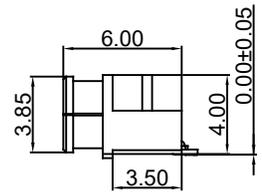
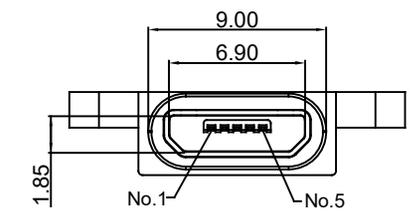


ISSUE NUMBER	
UPDATE GASKET TO SINGLE POINT O-RING R.STA.MONICA	SEPT.26/2016 (5)
ADD SILICON SE 9186 & ELECTRICAL SPECS Y.ZHANG	SEP.18/2018 (6)
UPDATE PCB LAYOUT	(7)
P.M.	OCT. 16/2018
ADD O-RING DETAIL UPDATE NOTE	(8)
P.M.	NOV. 11/2019
BLACK EPOXY WAS SILICON ADD EPOXY RETENTION FORCE	(9)
P.M.	MAR. 23/2020



NOTES

- OPERATING TEMPERATURE: -40°C~+85°C
- MATERIALS:
 INSULATOR: LCP, UL94 V-0, COLOR: BLACK
 CONTACT: PHOSPHOR BRONZE, WITH 10µ" GOLD PLATING ON CONTACT AREA, AND GOLD FLASH ON SOLDER AREA OVER 50µ" NICKEL UNDERPLATING
 SHELL: STAINLESS STEEL, WITH MATTE TIN PLATING
 PAD: BRASS, WITH MATTE TIN PLATING
 O-RING: SILICON, BLACK
- MATCH WITH O-RING PART NO. M00-556-001 IS PACKED SEPARATELY.
- PART NO:**
 690-W05-290-483
 690-W05-290-783
- ELECTRICAL SPECS:**
 CURRENT RATING: 1.8A (PIN1 & PIN5) 0.5A (ONLY PIN2 & PIN3 & PIN4)
 VOLTAGE RAYING: 30V
 CONTACT RESISTANCE: 30mΩ MAX.
 INSULATION RESISTANCE: 100MΩ MIN. AT 500V DC
 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 60s AT 10mA
- WATERPROOF RATING: IPX7
- EPOXY RETENTION FORCE: 20kgf Min.



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES 2002/95/EC AND 2011/95/EV FOR RoHS COMPLIANCY.

WATERPROOF MICRO USB 5P(F) SMT TYPE

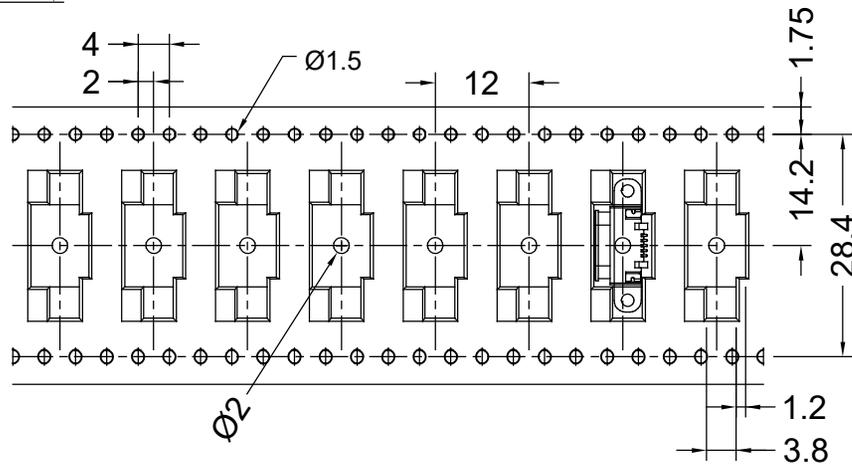
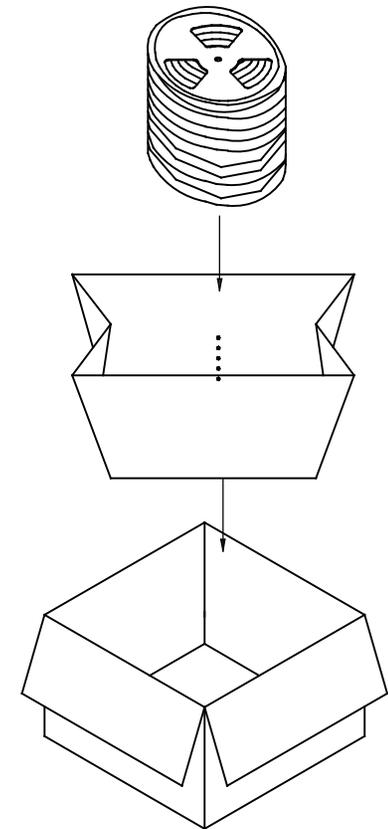
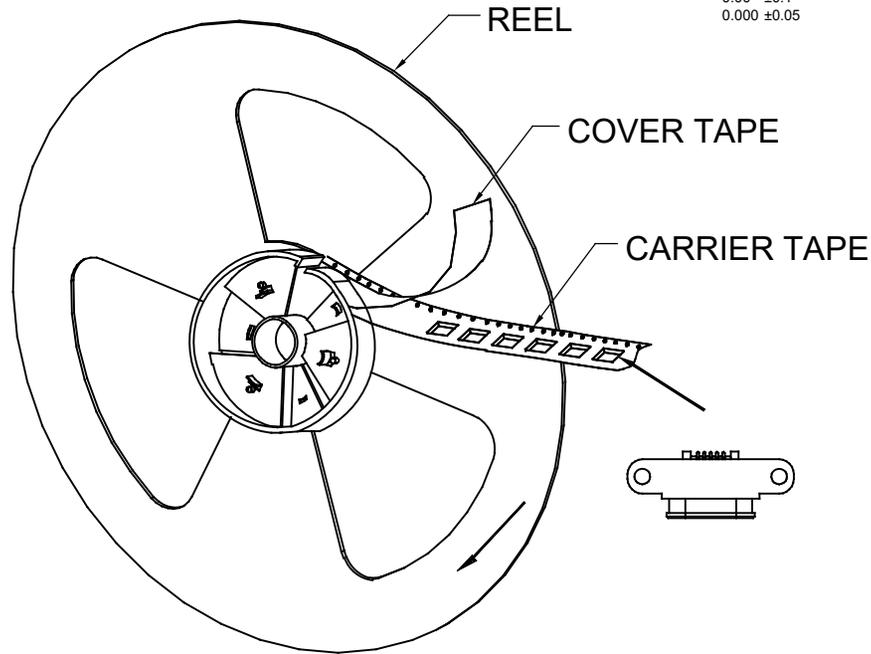
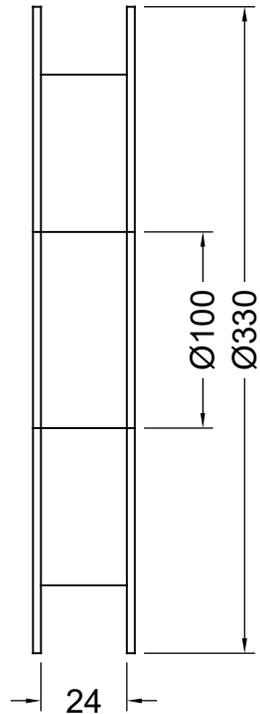
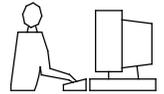
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ACAD REFERENCE NO.: 690-W05-290-483	
DRAWN: P.M.	DATE: DEC. 06/2019
CHECKED: R.S.M.	DATE: DEC. 06/2019
PART NUMBER	
SEE PART NO.	
DRAWING NUMBER	ISSUE
690-W05-290-483	9

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:
 0 ANGLE ±1°
 0.0 ±0.2
 0.00 ±0.1
 0.000 ±0.05

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QUANTITY PER REEL: 1100 PCS

WATERPROOF MICRO USB 5P(F) SMT TYPE TAPE & REEL PACKAGING SPECS



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SHEET 2 OF 2

DRAWING NUMBER

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ISSUE

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