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ENGINEERING CHANGE NOTICE			
Originator: Mit Patel		Date: July 09, 2024	Document Number: 20240709-00
Phone No. 416-754-3322			
Email Address: mpatel@edac.net			
Department: Quality		Revision Number: 1	SHEET: 1 of 2
CHANGE TYPE: <div><input type="checkbox"/> CLASS I Customer notification and approval required prior to implementation <input checked="" type="checkbox"/> CLASS II Customer notification only, no approval required <input type="checkbox"/> CLASS III No customer notification required</div>			
REASON OF CHANGE To improve manufacturing efficiency and performance.			
DESCRIPTION OF CHANGE: The PCB layout for part JPG018866P00035 has been revised to improve manufacturing efficiency and performance. There are some change in length as shown below and the addition of PCB thickness in the new revision. Furthermore, specifications for voltage rating, current rating, dielectric withstanding, mating/unmating force, and retention strength have been updated to ensure enhanced reliability and performance. This change will not affect any form, fit and function of this part.			
<div><div><div>Revision 1</div></div><div>→</div><div><div>Revision 2</div></div></div> <p>2. VOLTAGE RATING: 125 VAC RMS → 150 VAC RMS 3. CURRENT RATING: 1.5 AMPS @25°C → 1.5 AMP 5. DIELECTRIC WITHSTANDING: 1000V AC CONTACT TO CONTACT OR 1500VDC CONTACT TO SCREEN AND TEST PANEL @0.5mA 50Hz OR 60Hz 60s → 6. DIELECTRIC WITHSTANDING: 1000V D.C. OR A.C. PEAK, ONE CONTACT TO ALL OTHER CONTACTS CONNECTED TOGETHER 7. MATING/UNMATING FORCE: 30N/3.06KG MAX → 8. MATING/UNMATING FORCE: 22N MAX. 8. RETENTION STRENGTH: 30N MIN FOR 60s ±5s → 9. RETENTION STRENGTH: 50N FOR 60s ±5s</p>			
PARTIES AFFECTED <div><div><input checked="" type="checkbox"/> Customer <input checked="" type="checkbox"/> Distributors <input type="checkbox"/> Suppliers</div><div><input type="checkbox"/> NORCOMP <input type="checkbox"/> MH <input checked="" type="checkbox"/> ETW</div><div><input checked="" type="checkbox"/> ECA <input checked="" type="checkbox"/> EDG <input checked="" type="checkbox"/> EDAC UK</div></div>			
KEY TARGET DUE DATES IF CHANGE IS APPROVED TO PROCEED (check if applicable and show target dates as known) <div><div><input type="checkbox"/> Submit Quote <input type="checkbox"/> Prod. Trial Run <input type="checkbox"/> Run at Rate</div><div><input type="checkbox"/> PPAP from Supplier <input type="checkbox"/> MRD of Production Parts <input type="checkbox"/> UL / CSA / RoHS / REACH</div></div>			
ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS) <div><div><div><input type="checkbox"/> Tooling Rep <input type="checkbox"/> Mfg Eng Rep <input type="checkbox"/> Production Rep <input type="checkbox"/> Materials Rep <input checked="" type="checkbox"/> Quality Rep</div><div><div>Mit Patel</div><div></div><div></div><div></div><div></div></div><div><div><input type="checkbox"/> Marketing Rep <input type="checkbox"/> Facilities Rep <input type="checkbox"/> Sales Rep <input type="checkbox"/> Product Eng. Rep. <input type="checkbox"/> Purchasing Rep</div><div><div>Marco Lamanna Esther Marothy</div><div></div><div></div><div></div><div></div></div></div></div></div>			<div>STATUS</div> <div>APPROVED</div> <div>CCS CHANGE REQUEST #</div>
APPROVALS FOR ECN INITIATION (REQUIRED) <div><div><div>General Manager Bob Sakitkovski</div><div>Engineering Manager Ronnie Sta Monica</div><div>Business Development Kobie Samuels</div></div><div><div>Quality Engineer Mit Patel</div><div>Engineer Jacky Lai</div></div></div>			<div>REJECTED</div> <div>Change REJECTED by:</div> <div>Rejected Date:</div>

TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	±0.25
.XX	±0.20
.XXX	±0.05

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ISSUE NUMBER

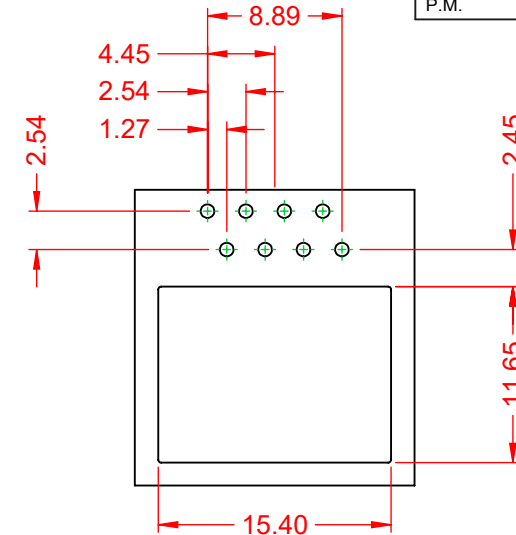
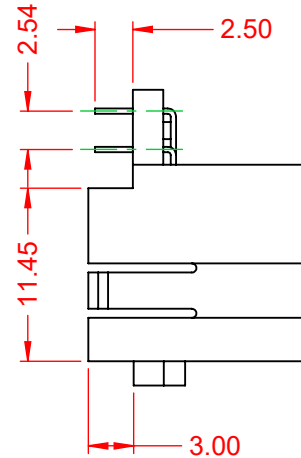
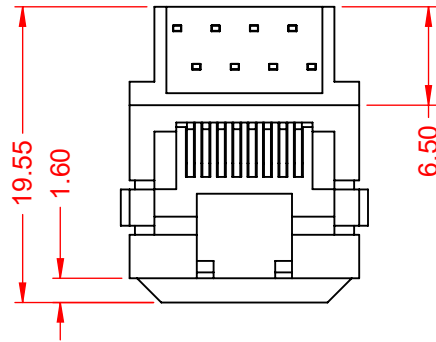
ORIGINAL

①

UPDATE NOTE  
UPDATE TOLERANCE  
11.65 WAS 11.85  
15.40 WAS 15.60  
P.M.

JUL.06/2024

②



PCB LAYOUT  
THICK. = 1.6mm

#### NOTES:

##### 1. MATERIALS:

INSULATOR:

PBT, BLACK, UL94V-0

CONTACT:

PHOSPHOR BRONZE,

SELECT 30μ" GOLD PLATING ON CONTACT AREA

TIN ON TAILS OVER NICKEL

##### 2. VOLTAGE RATING:

150 VAC RMS

##### 3. CURRENT RATING:

1.5 AMP

##### 4. CONTACT RESISTANCE:

20mΩ MAX

##### 5. INSULATOR RESISTANCE:

1000 MΩ MIN @ 500V DC

##### 6. DIELECTRIC WITHSTANDING:

1000V D.C. OR A.C. PEAK, ONE CONTACT TO ALL  
OTHER CONTACTS CONNECTED TOGETHER

##### 7. DURABILITY:

750 CYCLES MIN

##### 8. MATING/UNMATING FORCE:

22N MAX.

##### 9. RETENTION STRENGTH:

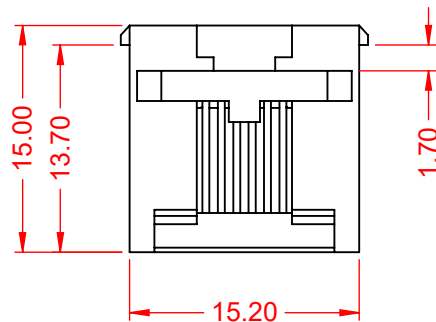
50N FOR 60s ±5s

##### 10. OPERATING TEMP:

-40°C TO +85°C

##### 11. STORAGE TEMP:

-40°C TO +85°C RELATIVE HUMIDITY <80%



MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.



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



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EDAC INC  
TORONTO, ONTARIO  
CANADA

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## RJ45, REVERSE VERTICAL PCB MOUNT

ACAD REFERENCE NO.: JPG Assembly-1

DRAWN: C.B

DATE: JAN.16/2024

CHECKED:

DATE:

SCALE: 2:1

SHEET 1 OF 1

DRAWING NUMBER: JPG Assembly-1

ISSUE

PART NUMBER: JPG018866N00035

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