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[EDAC Inc.](#)
[A63-142-300N161](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



THIS SERIES FULLY CONFORMS TO THE
 EUROPEAN UNION DIRECTIVES 2002/95/EC
 AND 2002/96/EC FOR ROHS COMPLIANCY.



EDAC INC
 TORONTO, ONTARIO
 CANADA

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DRAWING NUMBER
A63-142-300N161

SHEET 1 OF 2
 ISSUE
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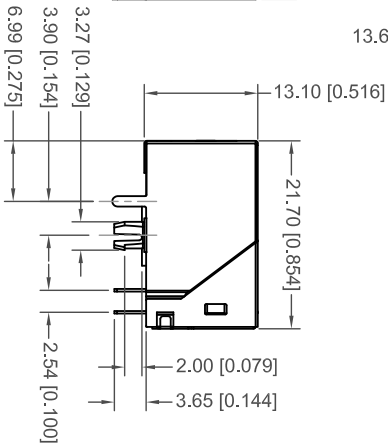
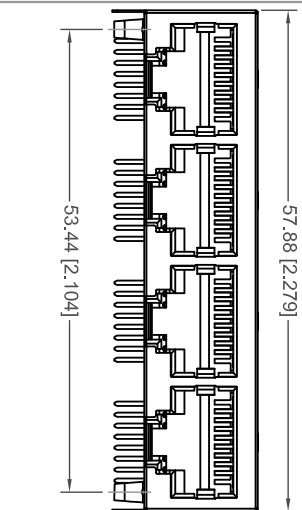
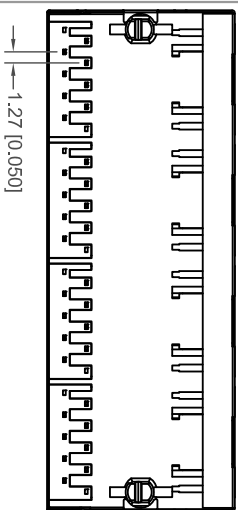
4 PORT, RJ45 MAGNETIC JACK WITHOUT LED, 8P8C SHIELDED/10/100 Mbps FILTER

ACAD REFERENCE NO.: A63-143-300N161

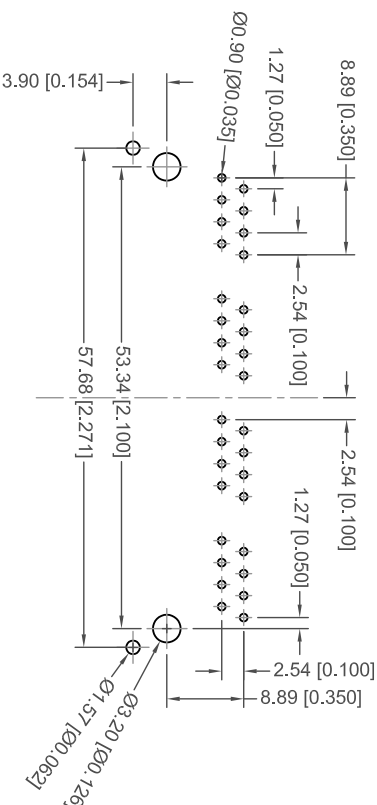
DRAWN: R. STA. MONICA DATE: NOV.19/2010

CHECKED: DATE:

PART NUMBER
SEE NOTE



RECOMMENDED PANEL CUTOUT DIMENSION



RECOMMENDED P.C.B. LAYOUT TOLERANCE: ±0.05[±0.002]

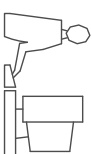
NOTES:
 1. MATERIALS:
 HOUSING: NYLON PA46 WITH GLASS FIBER, UL94 V-0, COLOR: BLACK
 CONTACTS: 0.35MM PHOSPHOR BRONZE PLATED WITH
 GOLD PLATING AND TIN IN SOLDER AREA
 OVER 50u" NICKEL PLATING ALL OVER

PART NO
 A63-142-300N161 GOLD FLASH PLATING
 A63-143-300N161 15 MICRO INCHES OF GOLD
 A63-144-300N161 30 MICRO INCHES OF GOLD

SHIELD: 0.20MM COPPER ALLOY WITH NICKEL PLATING
 2. OPERATING TEMPERATURE: 0°C TO +70°C
 3. MATE WITH MODULAR PLUG CONFORMING TO
 FCC PART 68, SUBPART F.
 4. DIMENSION: MM [INCHES]

TOLERANCE UNLESS OTHERWISE
 SPECIFIED IN MM:
 0 ±0.50
 0.0 ±0.38
 0.00 ±0.25
 0.000 ±0.10

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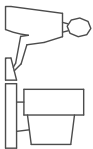


ISSUE NUMBER
 ORIGINAL ①

ELECTRICAL CIRCUIT:

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:		
0	± 0.50	ANGLE 3°
0.0	± 0.38	
0.00	± 0.25	
0.000	± 0.10	

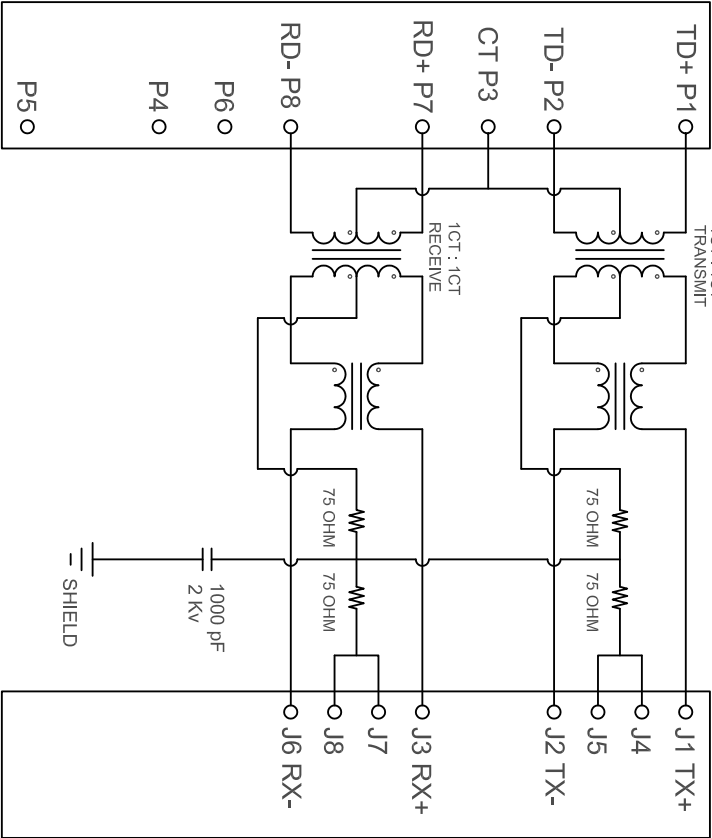
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ISSUE NUMBER	
ORIGINAL	①

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



TEST NOTES:(25±5°C)

1.TR:(100KHz,0.1V);

PINS:(P1-P2):(J1-J2)=1:1±3%

PINS:(P7-P8):(J3-J6)=1:1±3%

2.LX:(100KHz,100mV,8mA, DC Bias)

PINS: (P1,P2),(P7,P8)=350uH MINIMUM

3.DCR:

PINS:(J1-J2),(J3-J6)= 1.2 OHMS MAXIMUM

4.HIPOT:

PINS(P1,P3,P2)TO(J1,J2)=1500VAC FOR 2 SECONDS

PINS(P7,P3,P8)TO(J3,J6)=1500VAC FOR 2 SECONDS

5.INSERTION LOSS:

-1.0dB MAXIMUM AT 1MHZ TO 100MHZ;

6.RETURN LOSS:

-20dB MINIMUM AT 1MHZ TO 30MHZ;

-15dB MINIMUM AT 30MHZ TO 60MHZ

-10dB MINIMUM AT 60MHZ TO 80MHZ

7.CROSS TALK:

-30dB MINIMUM AT 1MHZ TO 100MHZ

8.COMMON TO COMMON MODE REJECTION:

-30dB MINIMUM AT 1MHZ TO 100MHZ

4 PORT, RJ45 MAGNETIC JACK WITHOUT LED, 8P8C
SHIELDED/10/100 Mbps FILTER

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SHEET 2 OF 2

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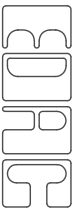
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