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Stocking Distributor

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[EDAC Inc.](#)
[A63-113-231N435](#)

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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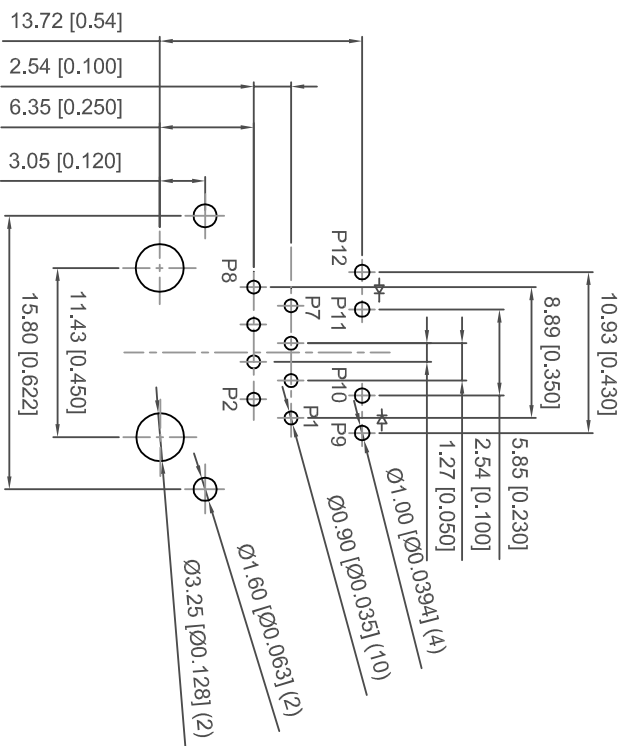
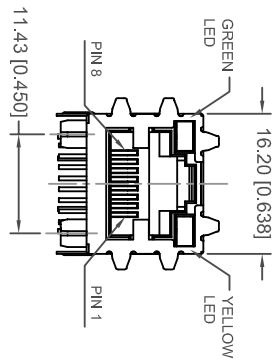
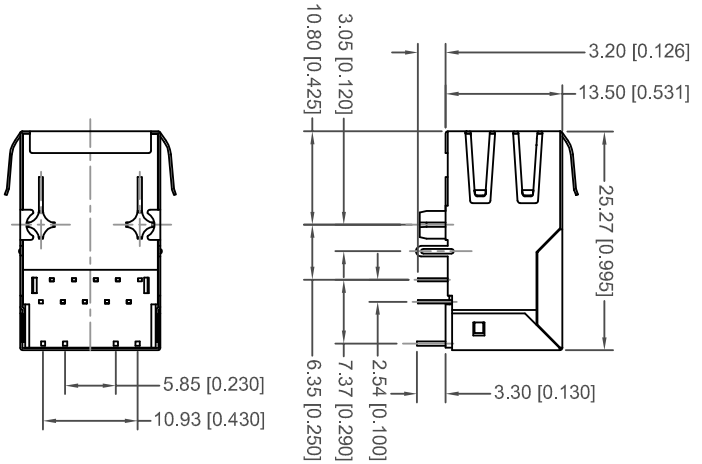
ACAD REFERENCE NO.: A63-113-231N435	
DRAWN: R.STA.MONICA	DATE: NOV.19/2010
CHECKED:	DATE:
PART NUMBER	
SEE NOTE	SHEET 1 OF 2
DRAWING NUMBER	ISSUE
A63-112-231N435	2

- NOTES:**
1. MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, COLOR: BLACK
 SHIELD: 0.20MM COPPER ALLOY WITH NICKEL PLATING
 CONTACTS: COPPER ALLOY PLATED WITH GOLD PLATING AND TIN IN SOLDER AREA
 2. OPERATING TEMPERATURE: 0°C TO +70°C
 3. STORAGE TEMPERATURE: -40°C TO +85°C
 4. MATE WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
 5. RECOMMENDED TEMPERATURE FOR WAVE SOLDERING IS 260°C MAX. 10 SEC MAX
 6. DIMENSION: MM [INCHES]

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GOLD FLASH PLATING
 15 MICRO INCHES OF GOLD
 30 MICRO INCHES OF GOLD

GOLD PLATING THICKNESS
 15 MICRO INCHES OF GOLD
 30 MICRO INCHES OF GOLD



RECOMMENDED P.C.B. LAYOUT
 TOLERANCE: ±0.08[±0.003]

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

ANGLE X°

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ISSUE NUMBER	
ORIGINAL	①
UPDATE DRAWING	②
R.STA.MONICA	SEPT.23/2011

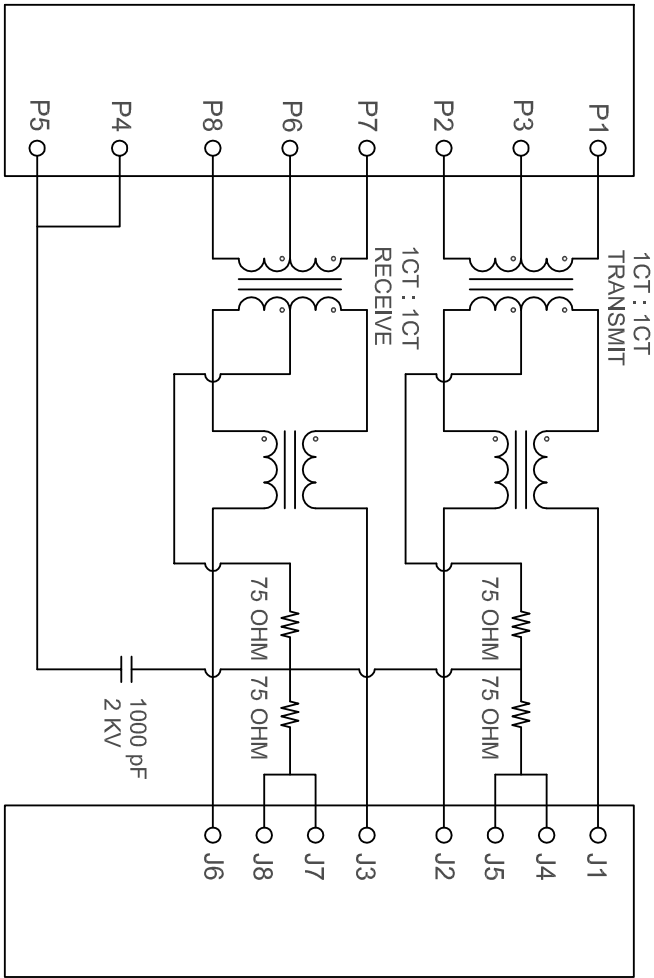
ELECTRICAL CIRCUIT:

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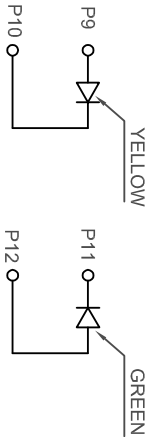


CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



LED CIRCUIT:



LED SPECIFICATIONS (WITH FORWARD CURRENT OF 20 mA)			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	TYP
GREEN	565 nm	2.4 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

- TEST NOTES:(25±5°C)
- 1.TURN RATIO:(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.DIELECTRIC WITHSTAND:
PINS:(P1-P2):(J1-J2)=1500VAC OR 2250VDC
PINS:(P7-P8):(J3-J6)=1500VAC OR 2250VDC
 - 5.INSERTION LOSS:
-1.2dB MAXIMUM AT 0.1MHZ TO 100MHZ
 - 6.RETURN LOSS:
-18dB MINIMUM AT 1MHZ TO 30MHZ;
-(18-20log(f/30))dB MINIMUM AT 30MHZ TO 60MHZ
-12dB MINIMUM AT 60MHZ TO 80MHZ
 - 7.CROSS TALK:
-35dB TYPICAL AT 1MHZ TO 100MHZ
 - 8.COMMON TO COMMON MODE REJECTION:
-30dB TYPICAL AT 30MHZ TO 100MHZ
 9. LEAKAGE INDUCTANCE:
PINS:(P1-P2) WITH J1 AND J2 SHORT=0.35uH MAX AT 1MHZ
PINS:(P7-P8) WITH J3 AND J6 SHORT=0.35uH MAX AT 1MHZ
 10. INTERWINDING CAPACITANCE
PINS:(P1-P2):(J1-J2)=35pF MAXIMUM AT 1MHZ
PINS:(P7-P8):(J3-J6)=35pF MAXIMUM AT 1MHZ



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**RJ45 MAGNETIC JACK WITH LED, 8P, 8C
SHIELDED, 10/100 Mbps FILTER**

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SEE NOTE

SHEET 2 OF 2

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ISSUE

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