

NOTES

---3.20±0.3 [0.126±0.012]

Ø1.00 [00.039] (A)

Ø3.20 (Ø0.126)(2)

Ø1.60 (Ø0.063) (2)

00.90 (00.035) (8)

1 27 [0 050]

2.54 [0.100]

2.41 [0.095]

3.89 [0.153]

1 MATERIALS

SHIELD: COPPER ALLOY WITH NICKEL PLATING HOUSING: THERMOPLASTIC, UL94 V-0, COLOR: BLACK

CONTACTS: COPPER ALLOY PLATED WITH GOLD PLATING AND TIN IN SOLDER AREA

A63-112-431P112 A63-113-431P112 A63-114-431P112 PART NO 15 MICRO INCHES OF GOLD 30 MICRO INCHES OF GOLD GOLD PLATING THICKNESS
GOLD FLASH PLATING

- 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 $260\,^{\circ}\text{C}$ MAX, 10 SEC MAX 6. DIMENSION: MM [INCHES]



8.89 [0.350]

TOLERANCE: ±0.08[±0.003]

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

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

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SHEET 1 OF 2		DATE:	DATE: JUN.27/2012	3-112-431P112

DRAWING NUMBER

A63-112-431P112

ISSUE

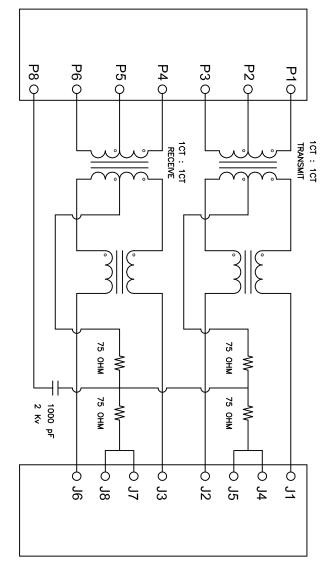
2

ELECTRICAL CIRCUIT:

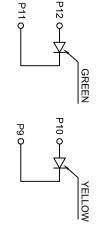
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CONNECTOR SOLDER SIDE



LED CIRCUIT:



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

TEST NOTES:(25±5°C)

1 TR (100KHz,0.1V), PINS:(P1-P3):(J1-J2)=1:1±3%

PINS:(P4-P6):(J3-J6)=1:1±3%

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

3.DC RESISTANCE: PINS: (P1,P3),(P4,P6)=350uH MINIMUM

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

PINS(P4,P6)TO(J3,J6)=1500VAC PINS(P1,P3)TO(J1,J2)=1500VAC

 $5.INSERTION\ LOSS:\ RS = RL = 100\ OHM$

-1.2dB MAXIMUM AT 100KHz TO 100MHz;

6 RETURN LOSS

-18dB MINIMUM AT 1MHz TO 30MHz;

-12dB MINIMUM AT 30MHz TO 80MHz

7 CROSS TALK

-35dB TYPICAL AT 1MHz TO 100MHz

8. COMMON TO COMMON MODE ATENUATION: -30dB TYPICAL AT 30MHz TO 100MHz

9. LEAKAGE INDUCTANCE:

PINS: P4-P6, WITH J3-J6 SHORTED=0.35 uH MAX @1MHz PINS: P1-P3, WITH J1-J2 SHORTED=0.35 uH MAX @1MHz

10. INTERWINDING CAPACITANCE: PINS:(P4-P6):(J3-J6)= 40 pF MAX @1MHz PINS:(P1-P3):(J1-J2)= 40 pF MAX @1MHz

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SHEET 2 OF 2

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