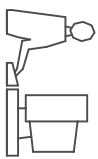
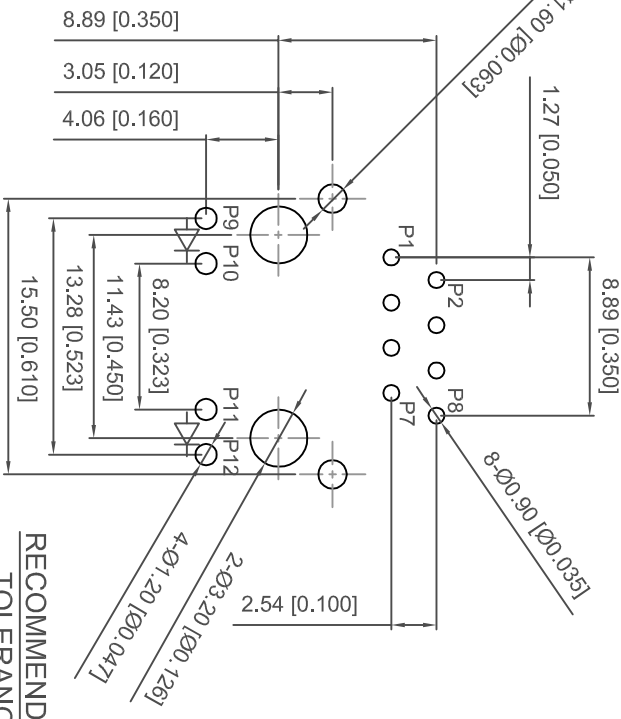
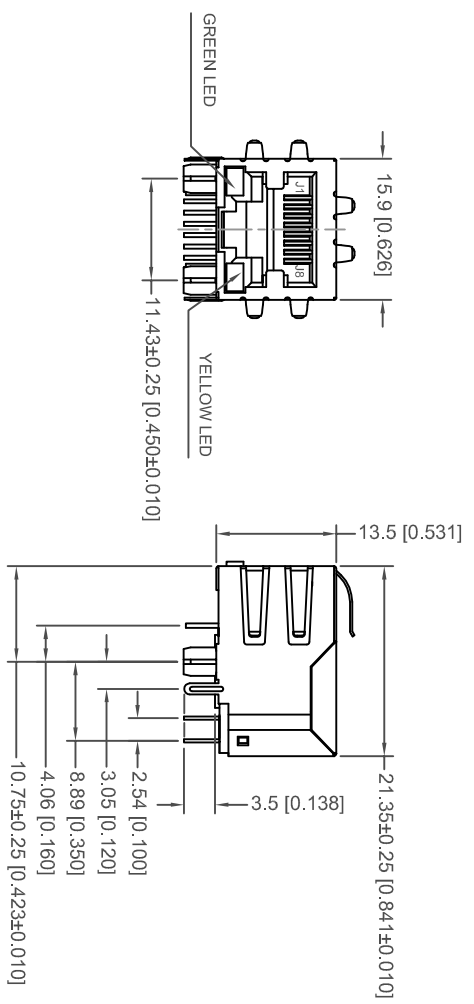


TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:
 0 ±0.38 ANGLE °
 0.0 ±0.25
 0.00 ±0.10

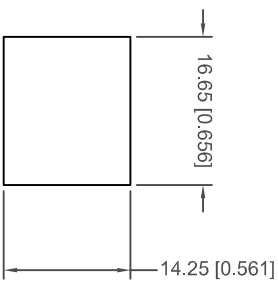
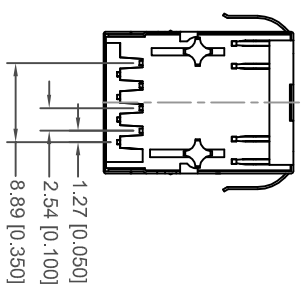
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ISSUE NUMBER
 ORIGINAL
 1



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



RECOMMENDED
 PANEL CUTOUT DIMENSION

NOTES:
 1. MATERIALS:
 HOUSING: THERMOPLASTIC, UL 94V-0, COLOR: BLACK
 SHIELD: COPPER ALLOY WITH NICKEL PLATING
 CONTACTS: COPPER ALLOY PLATED WITH GOLD PLATING AND TIN IN SOLDER AREA

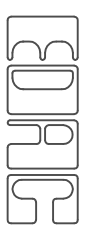
PART NO	GOLD PLATING THICKNESS
A63-112-331P422	GOLD FLASH PLATING
A63-113-331P422	15 MICRO INCHES OF GOLD
A63-114-331P422	30 MICRO INCHES OF GOLD
A63-115-331P422	50 MICRO INCHES OF GOLD

- OPERATING TEMPERATURE: 0°C TO +70°C
- STORAGE TEMPERATURE: -40°C TO +85°C
- MATE WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
- RECOMMENDED TEMPERATURE FOR WAVE SOLDERING IS 260°C MAX, 10 SEC MAX
- DIMENSION: MM [INCHES]



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

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



EDAC INC
 TORONTO, ONTARIO
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CHECKED: DATE:

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SEE NOTE

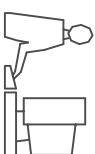
DRAWING NUMBER ISSUE

A63-112-331P422 1

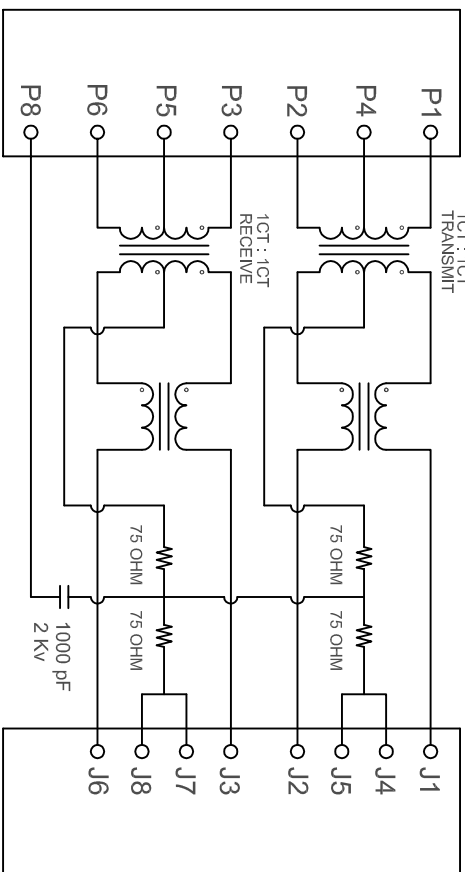
ELECTRICAL CIRCUIT:

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

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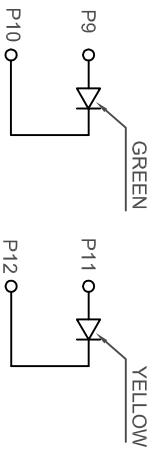


CONNECTOR SOLDER SIDE



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.TR:(100KHz,0.1V);
PINS:(P1-P2):(J1-J2)=1:1±3%
PINS:(P3-P6):(J3-J6)=1:1±3%
 - 2.LX:(100KHz,100mV,8mA, DC Bias)
PINS: (P1,P2),(P3,P6)=350uH MINIMUM
 - 3.DC RESISTANCE:
PINS:(J1-J2),(J3-J6)= 1.2 OHMS MAXIMUM
 - 4.HPOT:
PINS(P1,P2)TO(J1,J2)=1500VAC OR 2250VDC
PINS(P3,P6)TO(J3,J6)=1500VAC OR 2250VDC
 - 5.INSERTION LOSS:
-1.2dB MAXIMUM AT 100KHz 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 ATTENUATION:
-30dB TYPICAL AT 30MHz TO 100MHz
 9. LEAKAGE INDUCTANCE:
PINS: P1-P2, WITH J1-J2 SHORTED=0.35 uH MAX @1MHz
PINS: P3-P6, WITH J3-J6 SHORTED=0.35 uH MAX @1MHz
 10. INTERWINDING CAPACITANCE:
PINS:(P1-P2):(J1-J2)= 35 pF MAX @1MHz
PINS:(P3-P6):(J3-J6)= 35 pF MAX @1MHz

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



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Mouser Electronics

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