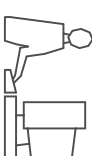
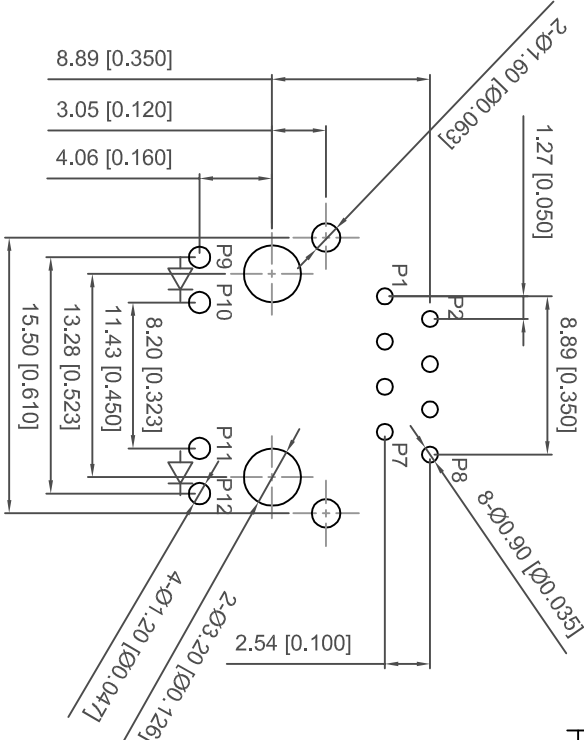
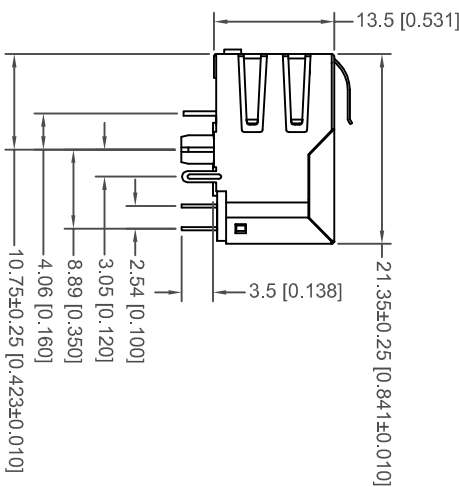
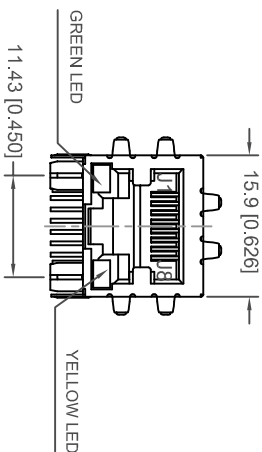


TOLERANCE UNLESS OTHERWISE
SPECIFIED IN MM:
0.0 ± 0.38
0.00 ± 0.25
0.000 ± 0.10

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



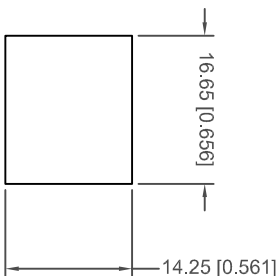
RECOMMENDED P.C.B. LAYOUT

TOLERANCE: ±0.08[±0.003]

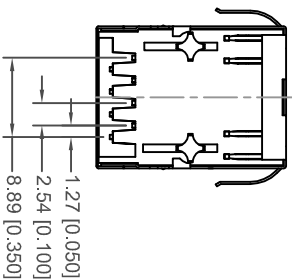
- NOTES:
1. MATERIALS:
HOUSING: THERMOPLASTIC PBT, UL94 V-0, COLOR: BLACK
CONTACTS: COPPER ALLOY PLATED WITH GOLD PLATING AND TIN IN SOLDER AREA

PART NO	GOLD PLATING THICKNESS
A63-112-331P431	GOLD FLASH PLATING
A63-113-331P431	15 MICRO INCHES OF GOLD
A63-114-331P431	30 MICRO INCHES OF GOLD

- SHIELD: COPPER ALLOY WITH NICKEL 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°C MAX, 10 SEC MAX
 6. DIMENSION: MM [INCHES]



RECOMMENDED PANEL CUTOUT DIMENSION



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

ACAD REFERENCE NO.: A63-112-331P431

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

CHECKED: DATE:

PART NUMBER

SEE NOTE

DRAWING NUMBER

A63-112-331P431

SHEET 1 OF 2

ISSUE

2



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EUROPEAN UNION DIRECTIVES 2002/95/EC
AND 2002/96/EC FOR ROHS COMPLIANCY.



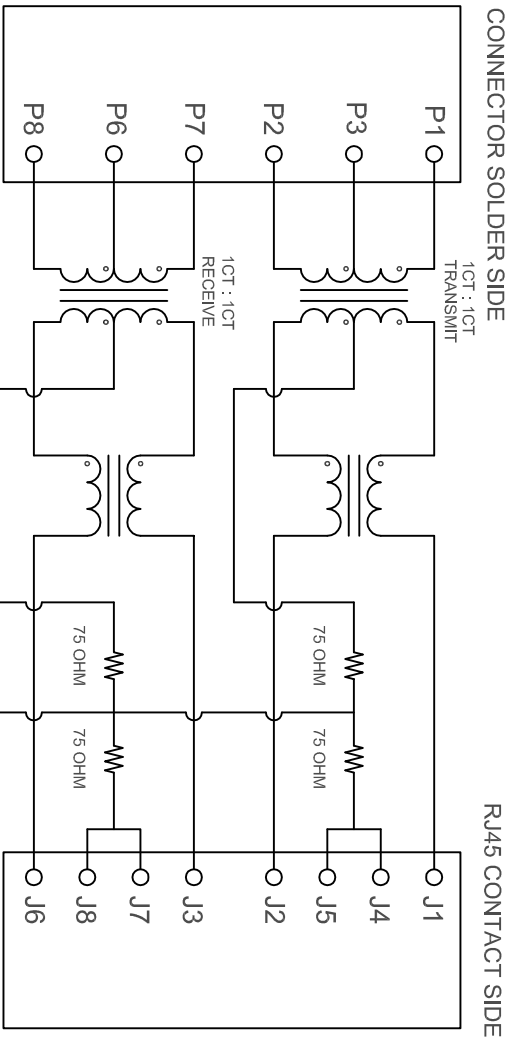
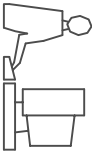
EDAC INC
TORONTO, ONTARIO
CANADA

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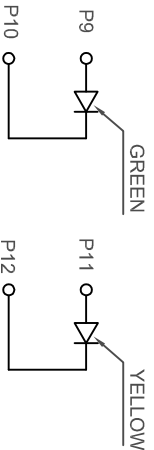
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ELECTRICAL CIRCUIT:

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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.T.R:(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,P2)TO(J1,J2)=1500VAC OR 2250VDC

PINS(P7,P8)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 REJECTION:

-30dB TYPICAL AT 30MHz TO 100MHz

9. LEAKAGE INDUCTANCE:

PINS: P1-P2, WITH J1-J2 SHORTED=0.35 uH MAX @1MHz

PINS: P7-P8, WITH J3-J6 SHORTED=0.35 uH MAX @1MHz

10. INTERWINDING CAPACITANCE:

PINS:(P1-P2):(J1-J2)= 35 pF MAX @1MHz

PINS:(P7-P8):(J3-J6)= 35 pF MAX @1MHz

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

ACAD REFERENCE NO.: A63-112-331P431

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

CHECKED: DATE:

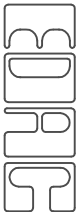
PART NUMBER

SEE NOTE

SHEET 2 OF 2



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ISSUE

2