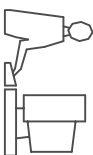
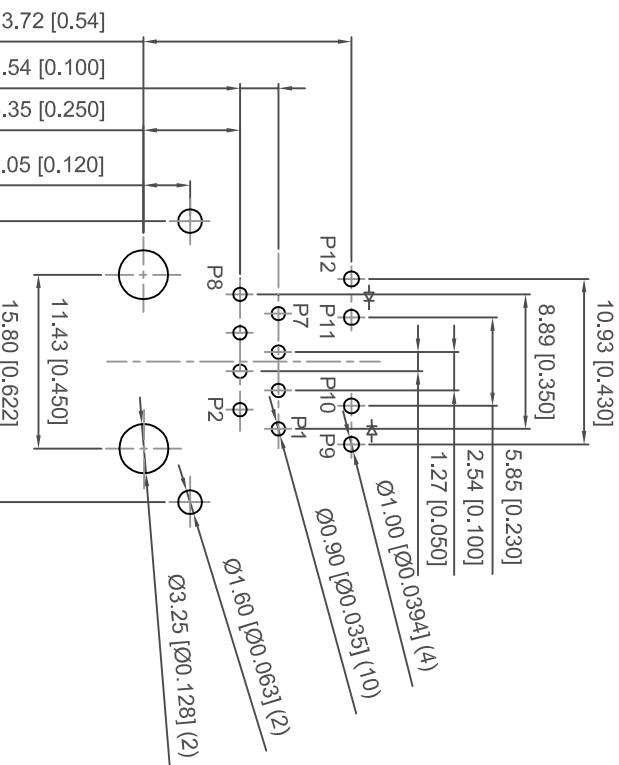
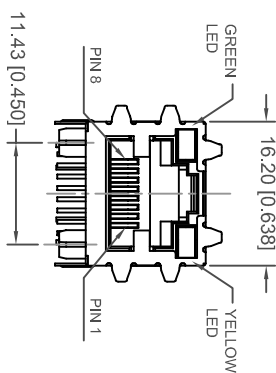
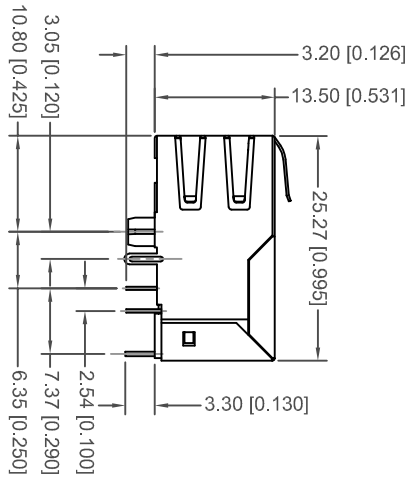


TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:
 0.0
 0.00
 0.000
 ± 0.10

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R.STA.MONICA	SEPT.23/2011



- 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

PART NO	GOLD PLATING THICKNESS
A63-112-231N435	GOLD FLASH PLATING
A63-113-231N435	15 MICRO INCHES OF GOLD
A63-114-231N435	30 MICRO INCHES OF GOLD

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]

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

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

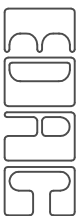
A63-112-231N435

ISSUE

2



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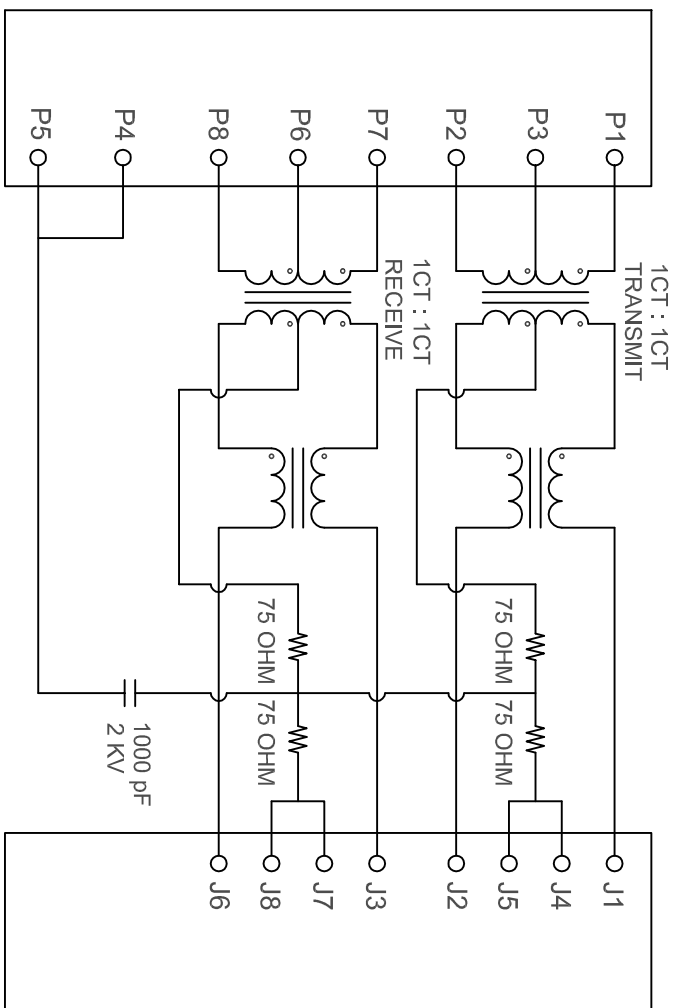
ELECTRICAL CIRCUIT:

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CONNECTOR SOLDER SIDE

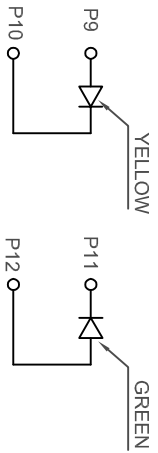
RJ45 CONTACT SIDE



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.GROSS 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

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

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

ACAD REFERENCE NO.: A63-113-231N435

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

CHECKED: DATE:

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