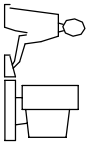
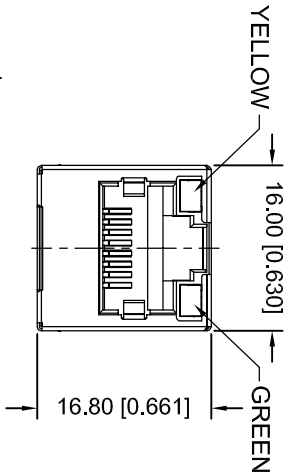


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UNLESS OTHERWISE STATED ALL DIMENSIONS ARE  
TOLERANCED TO  $\pm 0.254 [0.010]$

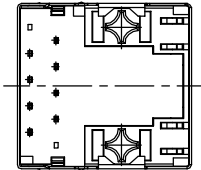
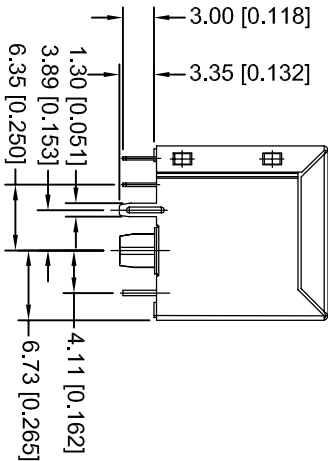
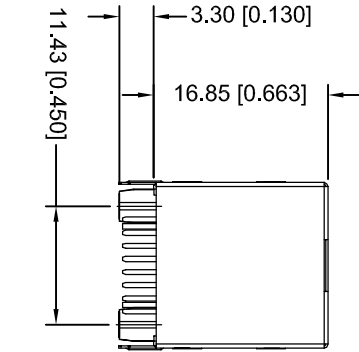


| ISSUE NUMBER           |   |
|------------------------|---|
| ORIGINAL               | ① |
| DIM UPDATE-C.B 10.3.16 | ② |



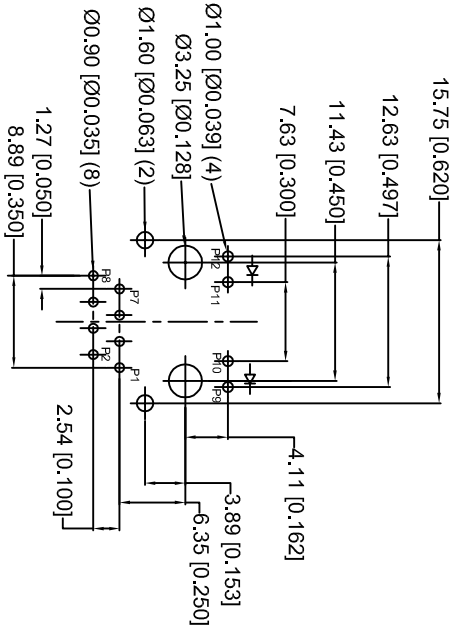
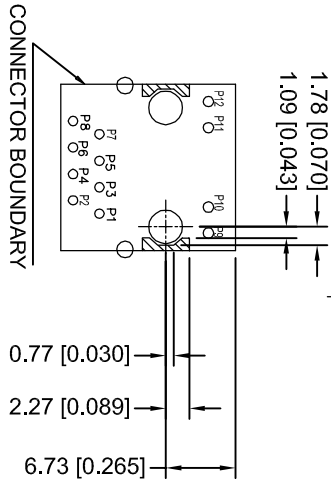
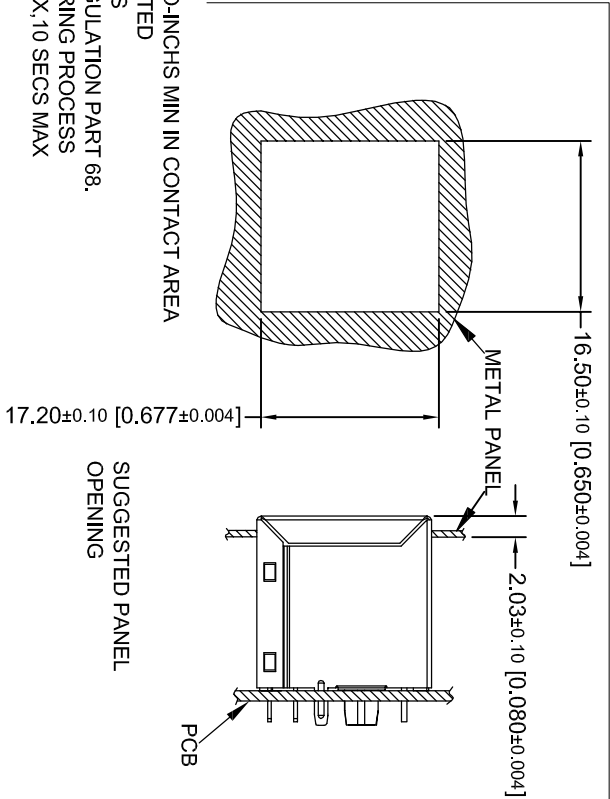
| LED SPECIFICATION |            |                |      |
|-------------------|------------|----------------|------|
| STANDARD LED      | WAVELENGTH | Forward V(max) | TYPE |
| GREEN             | 565nm      | 2.4V           | 2.2V |
| YELLOW            | 590nm      | 2.5V           | 2.1V |

\*WITH A FORWARD CURRENT OF 20mA



NOTES:

- CONNECTOR MATERIAL:  
HOUSING: THERMOPLASTIC UL94 V-0  
SHIELD: BRASS  
SHIELD PLATING: NICKEL  
CONTACT: COOPER ALLOY  
CONTACT PLATING: SELECTIVE GOLD 6 MICRO-INCHES MIN IN CONTACT AREA
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED  
SEE ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS  
PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX
- OPERATING TEMPERATURE T=0°C TO 70°C
- STORAGE TEMPERATURE T=-40°C TO 85°C
- ALL CRITICAL DIMENSIONS WITH \*\*\*



UNIT: mm[\*]  
TOL:  $\pm 0.10 [0.004]$

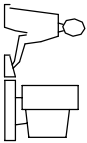
RJ45 MAGNETIC JACK WITH LED, VERTICAL, 8P, 8C  
SHIELDED, 10/100Mbps FILTER

THIS SERIES FULLY CONFORMS TO  
THE EUROPEAN UNION DIRECTIVES  
COMPLIANT 2011/65/EU FOR RoHS COMPLIANCY.

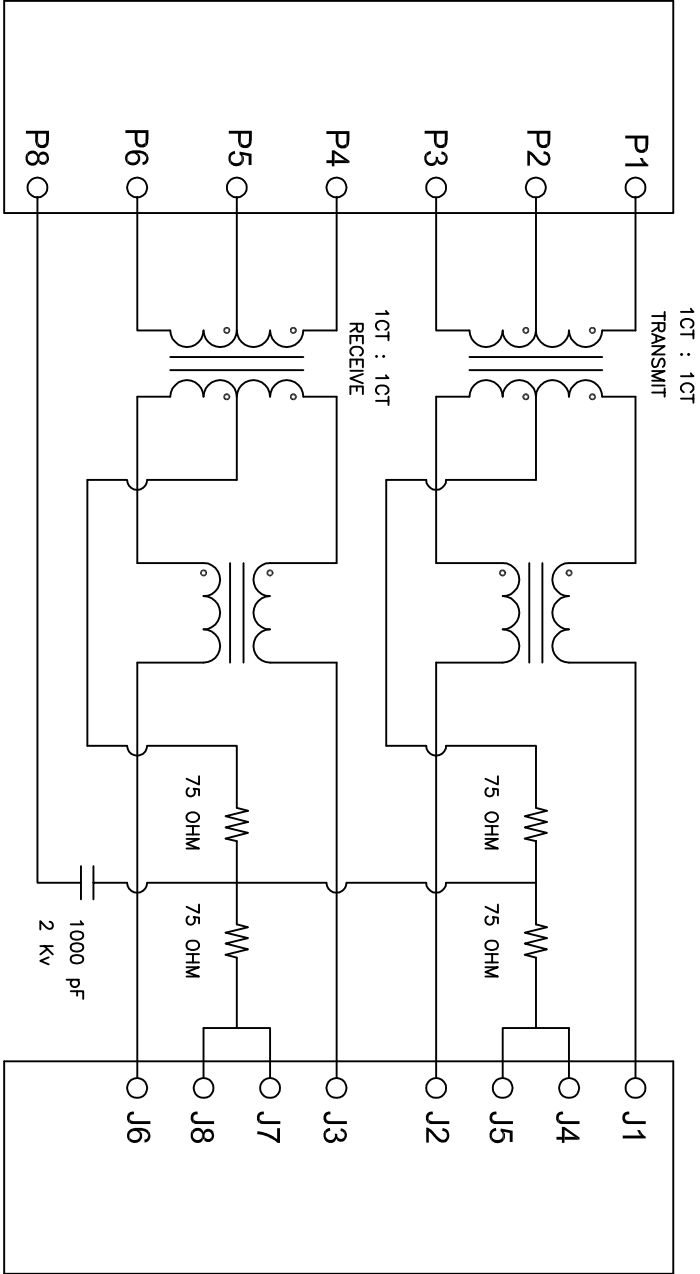
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CANADA  
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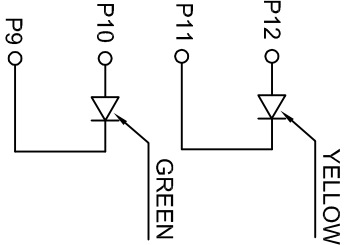
|                                    |                 |
|------------------------------------|-----------------|
| ACAD REFERENCE NO. A63-112-413P112 |                 |
| DRAWN: C.B                         | DATE: OCT 03/16 |
| CHECKED:                           | DATE:           |
| SCALE: (IN C.A.D. 1:1)             | SHEET 1 OF 2    |
| DRAWING NUMBER                     | ISSUE           |
| A63-112-413P112                    | 2               |



CONNECTOR SOLDER 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:

PINS:(P1-P3):(J1-J2)=1:1±2%

PINS:(P4-P6):(J3-J6)=1:1±2%

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

PINS: (P1,P3),(P4,P6)=350uH MINIMUM

3.DC RESISTANCE:

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

4.HIPOT:

PINS(P1,P3)TO(J1,J2)=1500VAC

PINS(P4,P6)TO(J3,J6)=1500VAC

5.INSERTION LOSS: RS = RL = 100 OHM

-1.0dB MAXIMUM AT 1MHz TO 100MHz;

6.RETURN LOSS:

-18dB MINIMUM AT 1MHz TO 30MHz;

-16dB MINIMUM AT 30MHz TO 60MHz

-16dB MINIMUM AT 30MHz TO 60MHz

7.CROSS TALK:

-30dB min AT 1MHz TO 100MHz

8.COMMON TO COMMON MODE ATTENUATION:

-30dB TYPICAL AT 1MHz TO 100MHz

9. LEAKAGE INDUCTANCE:

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

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

10. INTERWINDING CAPACITANCE:

PINS:(P1-P3):(J1-J2)= 40 pF MAX @1MHz

PINS:(P4-P6):(J3-J6)= 40 pF MAX @1MHz

11. ISOLATION: PHY SIDE TO LINE SIDE: 1500VAC or 2250VDC

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

| LED SPECIFICATIONS (WITH FORWARD CURRENT OF 20 mA) |            |                 |       |
|----------------------------------------------------|------------|-----------------|-------|
| STANDARD LED                                       | WAVELENGTH | FORWARD V (MAX) | TYP   |
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ACAD REFERENCE NO. A63-112-413P112

DRAWN: C.B DATE: OCT. 03/16

CHECKED: DATE:

SCALE: N.T.S SHEET 2 OF 2

DRAWING NUMBER ISSUE

A63-112-413P112

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