

## Excellent Integrated System Limited

Stocking Distributor

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[Bel Fuse Inc.](#)  
[5-6610049-1](#)

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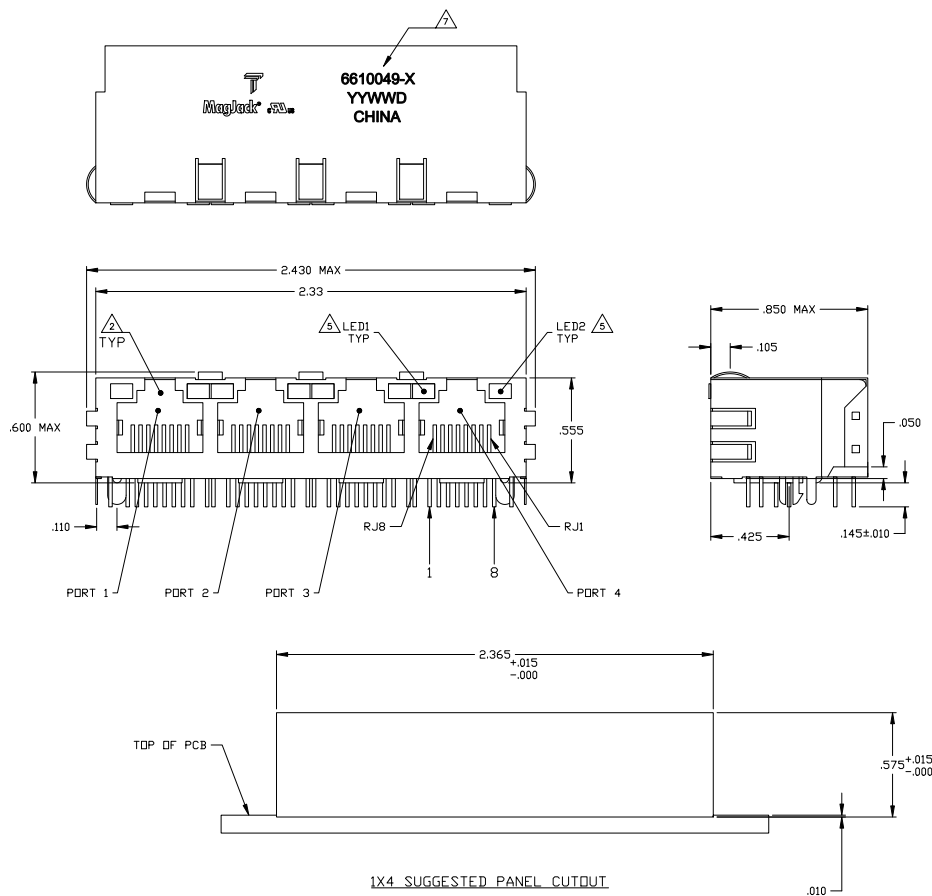
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
6736910-5939955-6426781-6428361-6564638-6840817-7423117  
7429195 7717749 7808751 6217391 6149050 7924130

| REVISIONS |                                | DATE     | BY | APP |
|-----------|--------------------------------|----------|----|-----|
| 1         | EC-1411035 COMPANY LOGO CHANGE | 12/20/15 | HY | KZ  |

## MECHANICAL:

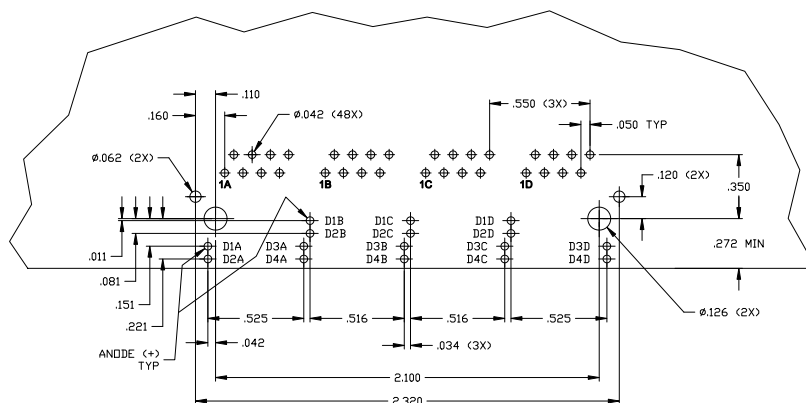


1X4 SUGGESTED PANEL CUTOUT

## NOTES:

1. MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
  - SHIELD - .010" THICK C28000 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL
  - SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER
  - HOD JACK CONTACTS - 0.005" X 0.010" PHOSPHOR BRONZE 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TABS WITH 100μINCH MIN MATTIE TIN AND/OR SAC SOLDER DIP
  - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, 020" X 0.020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μINCH MIN MATTIE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
3. MAGNETICS:
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP CABLES) TX = 11, RX = 11
  - OPEN CIRCUIT INDUCTANCE (OCL) 350nH MIN @100MHz, 0.1V RMS, 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
  - PERFORMANCE @ 25°C:
    - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 1000MHz
    - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 100MHz
    - 18-20.0dBS/30dB MIN FROM 30 MHz TO 400MHz
    - 12dB MIN FROM 60 MHz TO 800MHz
    - 35-20dBS/50dB MIN FROM 40 MHz TO 1000MHz
  - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 100MHz
  - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
  - ISOLATION VOLTAGE 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
4. OPERATING TEMPERATURE: FROM 0°C TO -70°C.
5. LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.  
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. AT VF=5V  
FORWARD CURRENT (IF): GREEN 15 mA TYP. AT VF=5V  
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. AT VF=5V  
FORWARD CURRENT (IF): YELLOW 15 mA TYP. AT VF=5V
6. INDICATED CONNECTIONS ARE FOR RJ45 CONFIGURATION. HOWEVER, THE MAGNETICS ARE SYMMETRICAL TO ACCOMMODATE CONNECTIONS FOR EITHER NC OR HUB CONFIGURATION, OR AUTO-MDIX.
7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 180°C, 10 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

| YES                                    |  | GREEN            |  | YELLOW                       |  | 5-6610049-1    |  |
|----------------------------------------|--|------------------|--|------------------------------|--|----------------|--|
| NO                                     |  | GREEN            |  | GREEN                        |  | 1-6610049-1    |  |
| DECOUPLING CAPACITOR                   |  | LED1             |  | LED2                         |  | PART NUMBER    |  |
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | REV. 1           |  | DATE: 12/20/15               |  | DONGGUAN CHINA |  |
| DIMENSIONS: 108-2100                   |  | MAGJACK GANG     |  | 1X4 766 10/100 TAB UP W/ LED |  | REWORKED TO    |  |
| NON-POE                                |  | CUSTOMER DRAWING |  | A1                           |  | 6610049        |  |
|                                        |  |                  |  | SCALE: 4:1                   |  | SHEET 1 OF 1   |  |

[illegible]