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LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
–	+	YELLOW	–	+		ORANGE
				+	–	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
- TP1 1CT : 1CT ±2%
- TP2 1CT : 1CT ±2%
- TP3 1CT : 1CT ±2%
- TP4 1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS
- 8mA DC BIAS 350µH MIN.

INS. LOSS
- 0.1MHz TO 1MHz −1.1 dB MAX
- 1MHz TO 65MHz −0.5 dB MAX
- 65MHz TO 100MHz −0.8 dB MAX
- 100MHz TO 125MHz −1.2 dB MAX

RET. LOSS (MIN) @ 100 OHMS +/-15%
- 0.5MHz-40MHz −18 dB
- 40MHz-100MHz −12+20LOG(f/80MHz) dB

CM TO CM REJ
- 100kHz - 100MHz −30 dB MIN

CM TO DM REJ
- 100kHz - 100MHz −35 dB MIN

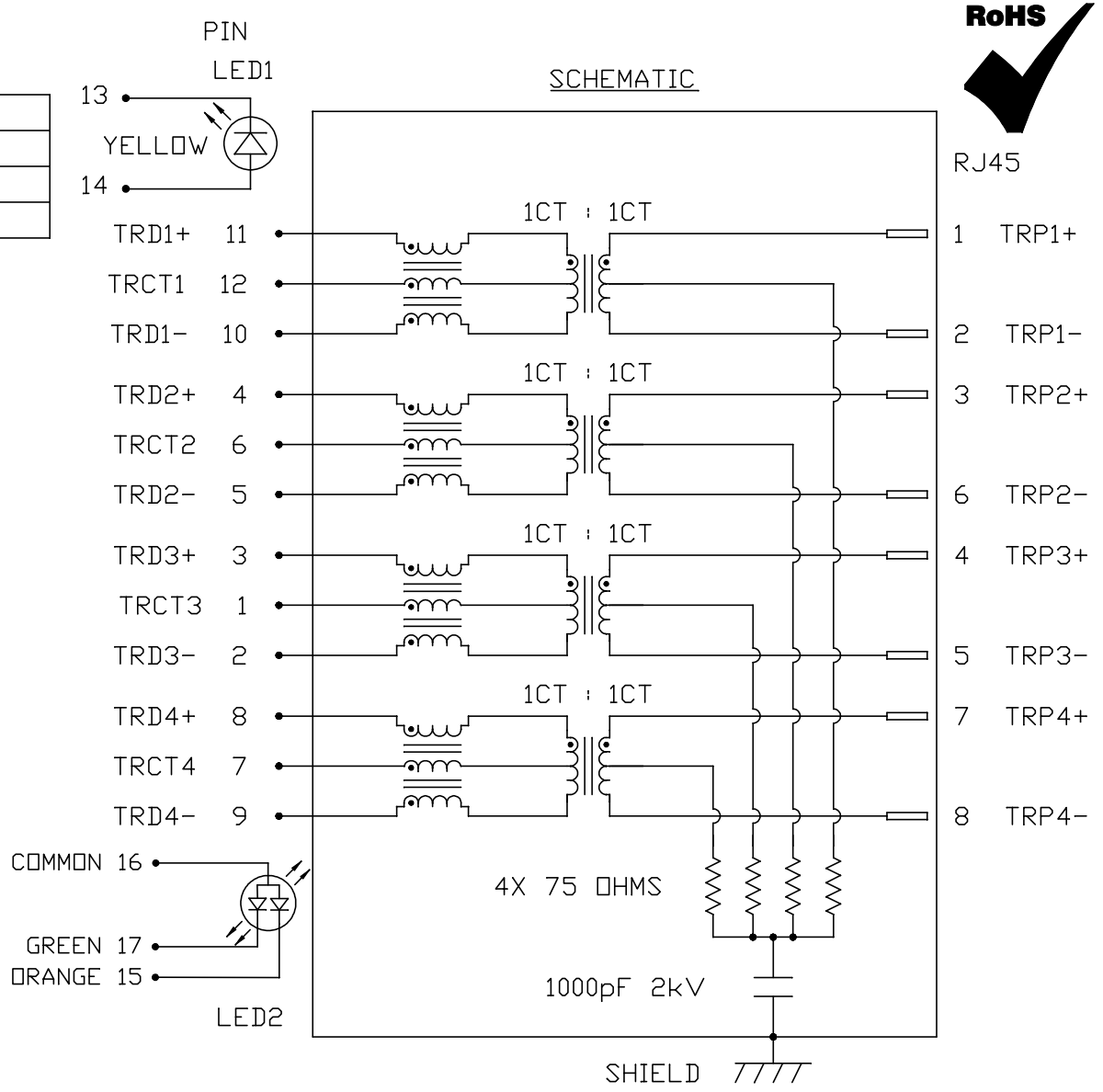
HIPOT (Isolation Voltage): 1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT

OPERATING TEMPERATURE: -40°C TO 85°C

LED 1
- VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.
- λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2
- VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
  ORANGE 2.0V TYP.
- λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.
  ORANGE 605nm TYP.

SCHEMATIC



REV. : B | PAGE : 2

ORIGINATED BY: CHOW WANCHUNG DATE: 2015-01-02	TITLE: gigabit MagJack® (Ultra Low Profile) Extended temperature of -43 PATENTED	PART NO. / DRAWING NO.: L829-1J1T-32 FILE NAME: L829-1J1T-32_B.DWG	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX [ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4
DRAWN BY: HU XIANG DATE: 2015-01-02			

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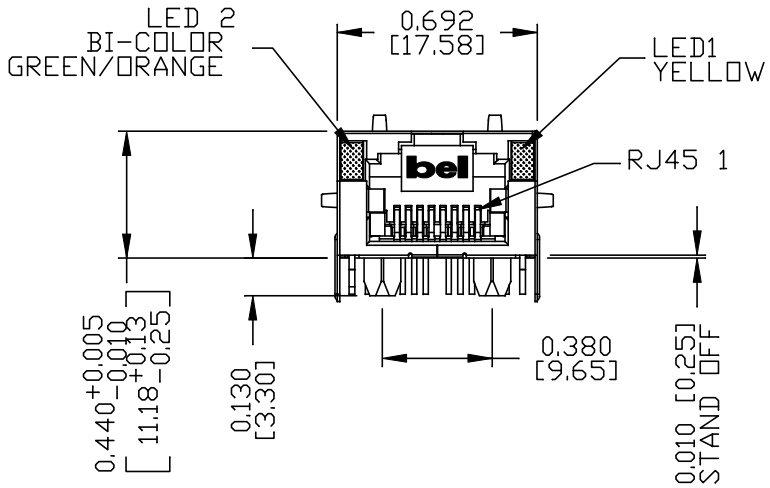
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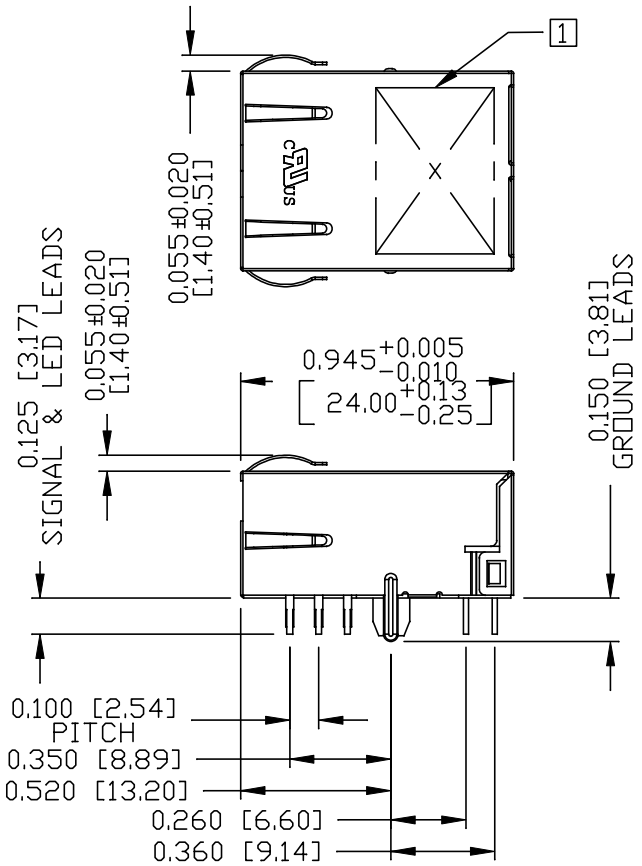
Please read our datasheet & drawing disclaimer here.

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MECHANICAL SPECIFICATION

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA.
FLAMMABILITY RATING UL 94V-0

CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, DATE CODE AND PATENTED.

2. THE PRODUCT IS RoHS COMPLIANT.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS. PART 68 SUBPART F.

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S PAT. 5,736,910 AND U.S PAT. 7,123,117 AND U.S PAT. 6,840,817.

REV. : B	PAGE : 3

ORIGINATED BY LI QUANKUN DATE 2015-01-02	TITLE gigabit MagJack® (Ultra Low Profile) Extended temperature of -43 PATENTED	PART NO. / DRAWING NO. L829-1J1T-32	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY ZHANG XUEZHENG DATE 2015-01-02		FILE NAME L829-1J1T-32_B.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

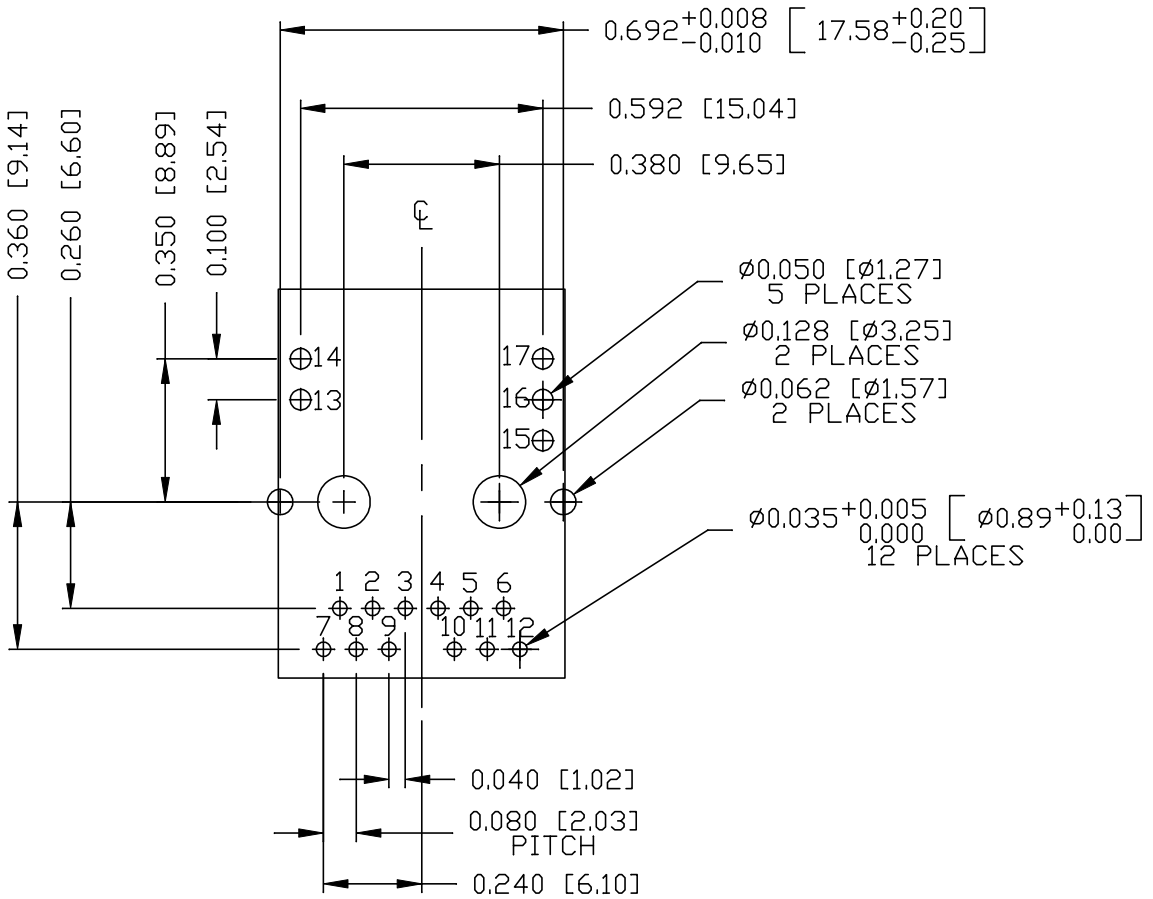
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



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DRAWN BY: ZHANG XUEZHENG DATE: 2015-01-02		FILE NAME: L829-1J1T-32_B.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

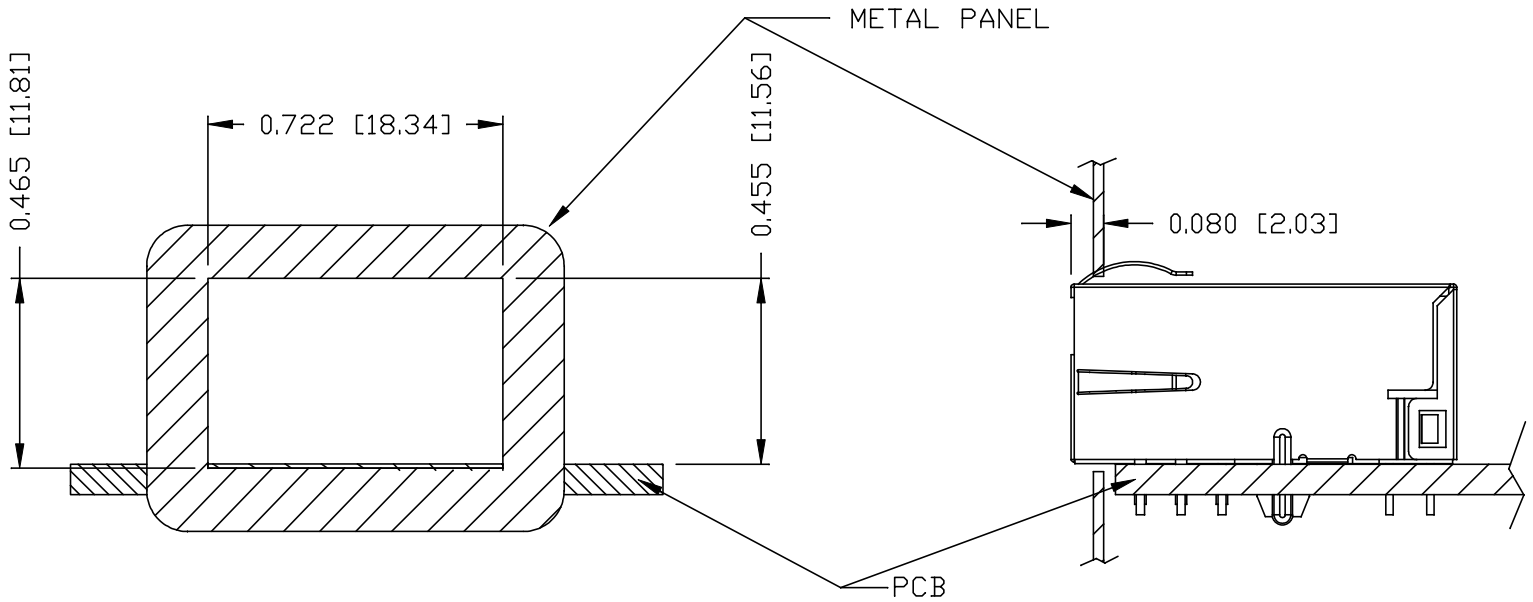
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SUGGESTED PANEL OPENING



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)
0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY LI QUANKUN DATE 2015-01-02	TITLE gigabit MagJack® (Ultra Low Profile) Extended temperature of -43 PATENTED	PART NO. / DRAWING NO. L829-1J1T-32	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	REV. : B / PAGE : 5
DRAWN BY ZHANG XUEZHENG DATE 2015-01-02		FILE NAME L829-1J1T-32_B.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group

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