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RoHS



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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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)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

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

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC

100% OF PRODUCT TESTED IN PRODUCTION
TO COMPLY WITH IEEE 802.3 REQUIREMENTS

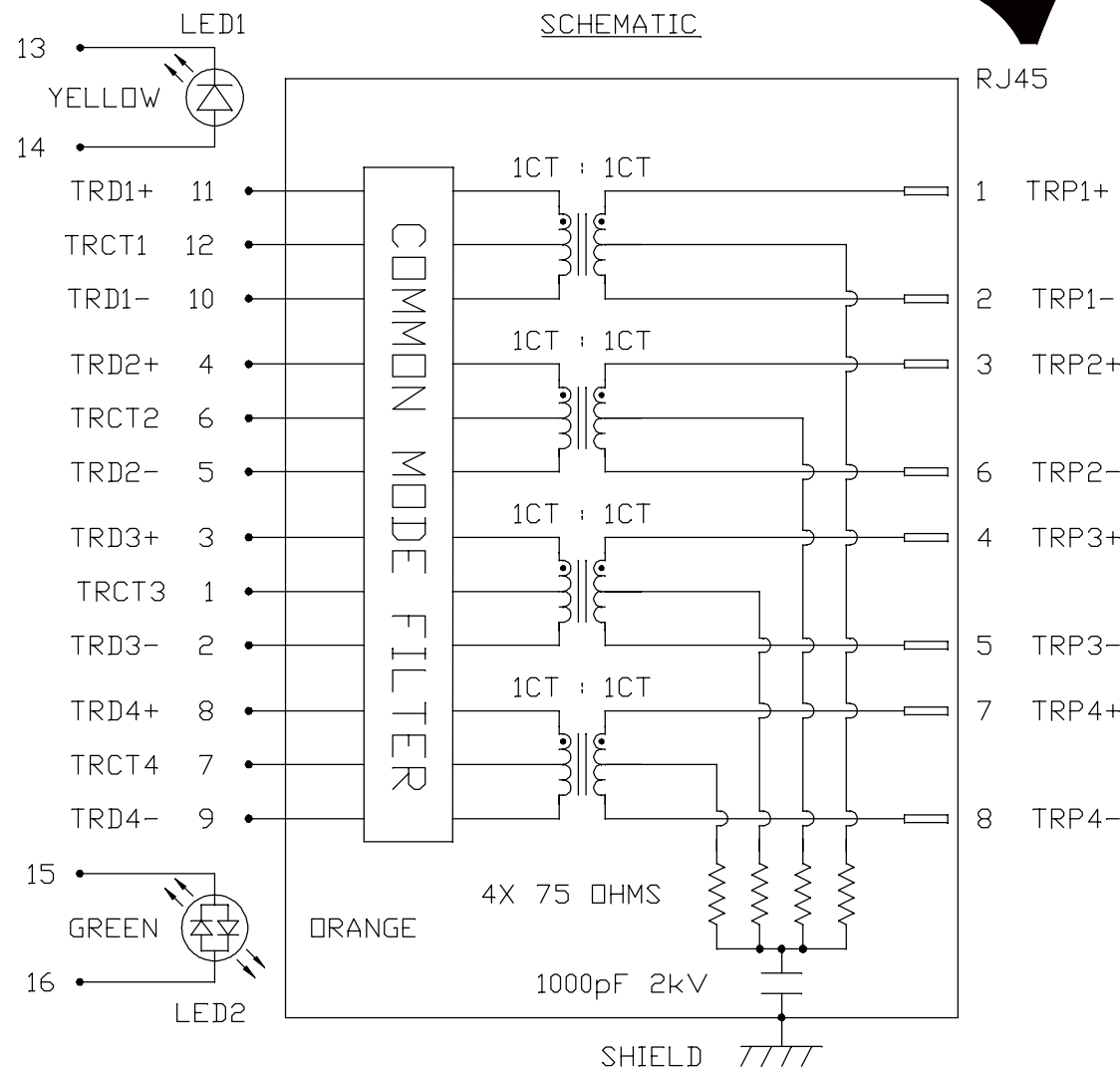
LED1

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

LED2

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

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY
CHOW WANCHUNG
DATE 2017-12-07

DRAWN BY
ZHENG ZEHAD
DATE 2017-12-07

TITLE
gigabit MagJack®
(8 cores, Tab Up)
L826-1X1T-43-F
PATENTED

PART NO. / DRAWING NO.
L8261X1T43-F

FILE NAME
L8261X1T43-F_F.DWG

STANDARD DIM.
TOL. IN INCH

[] METRIC DIM.
AS REF.

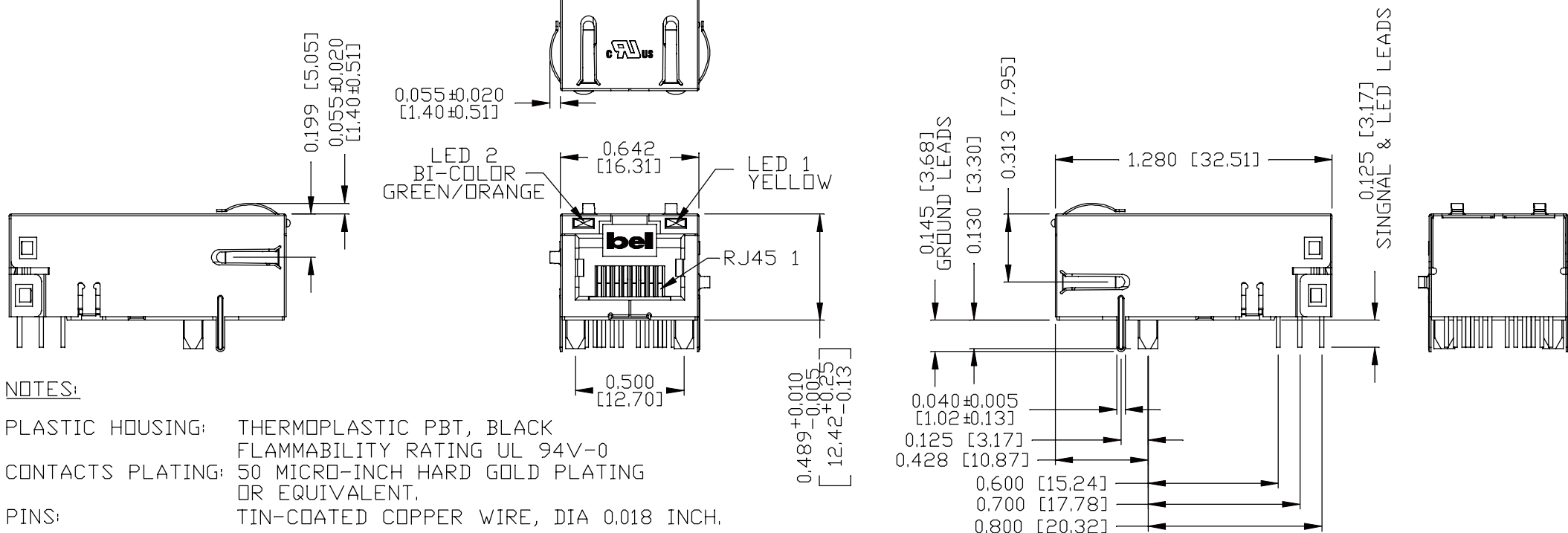
REV. : F

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
 FLAMMABILITY RATING UL 94V-0
 CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
 OR EQUIVALENT.
 PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH,
 100 MICRO-INCH MIN MATTE TIN,
 PINS ARE SOLDER DIPPED.
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY
 (ALL GROUND LEADS ARE SOLDER DIPPING)

1. MARK PART WITH MFG. LOGO; MFG. NAME; PART NUMBER,
DATE CODE AND PATENTED.
2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

cRU UL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PRODUCT IS RoHS COMPLIANT.
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS
U.S. PAT. 7,123,117.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE
SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C
MAX AND 10 SECONDS MAX.

ORIGINATED BY ANTON LIAO DATE 2017-12-07	TITLE gigabit MagJack® (8 cores, Tab Up) L826-1X1T-43-F PATENTED	PART NO. / DRAWING NO. L8261X1T43-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
DRAWN BY LI QUANKUN DATE 2017-12-07		FILE NAME L8261X1T43-F_F.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

REV. : F

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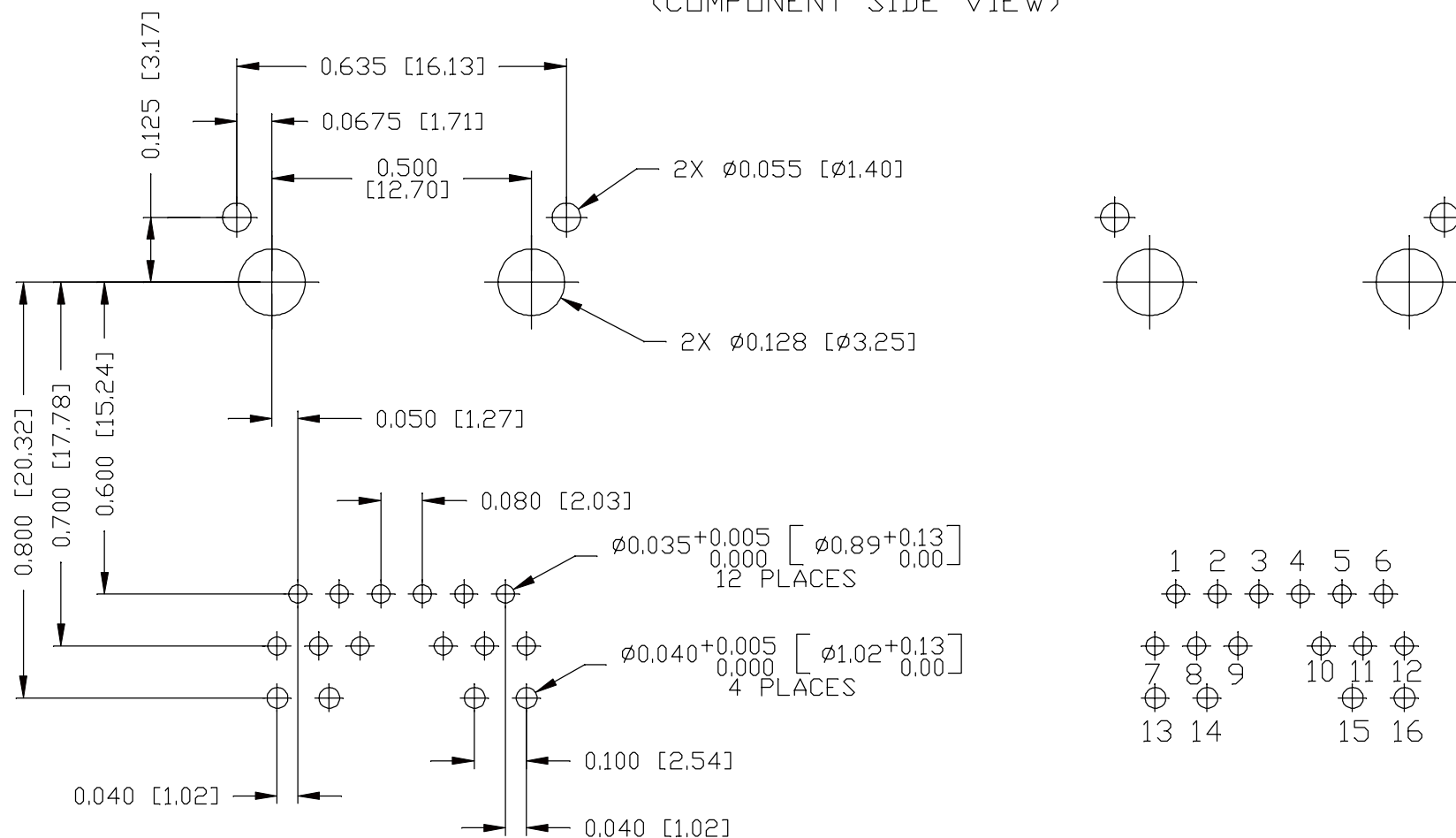
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RECOMMENDED PCB FOOTPRINT

(COMPONENT SIDE VIEW)



REV. : F PAGE : 4

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DATE 2017-12-07

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LI QUANKUN
DATE 2017-12-07

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(8 cores, Tab Up)
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PATENTED

PART NO. / DRAWING NO.
L8261X1T43-F

FILE NAME
L8261X1T43-F_F.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX
±0.004

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

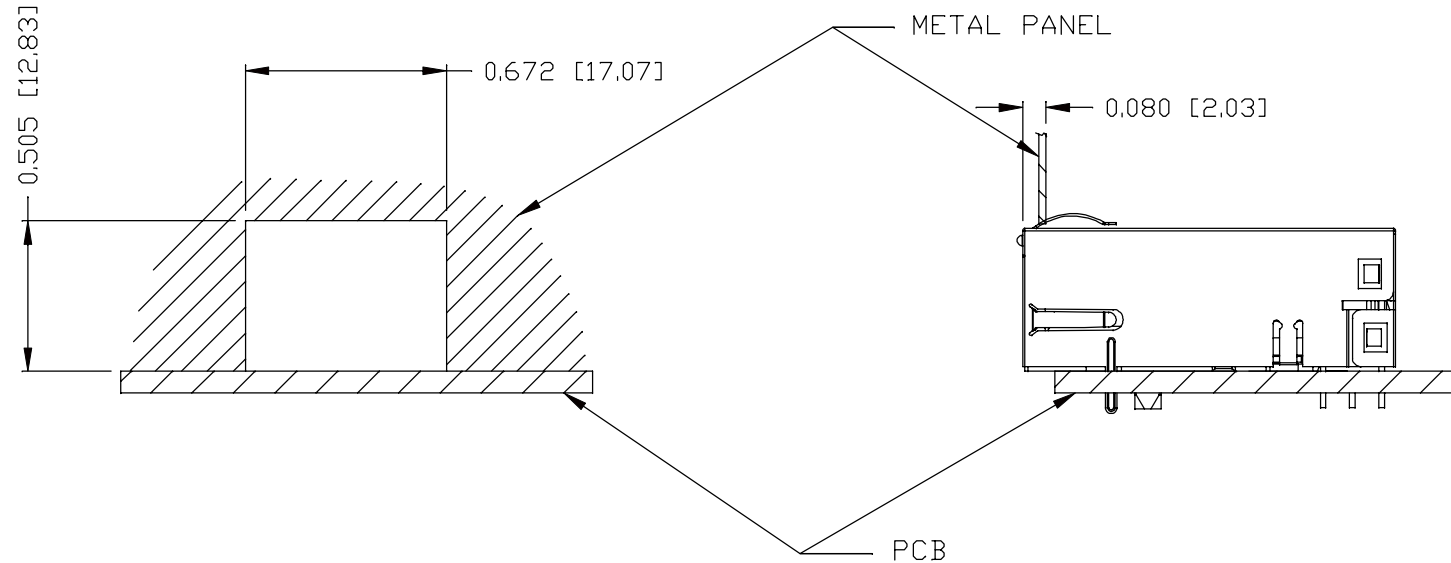


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SOLUTIONS
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SUGGESTED PANEL OPENING



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.

PACKING INFORMATION

PACKING TRAY: 0200-9999-D6 (TOP)

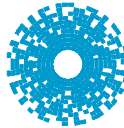
0200-9999-D7 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

11 TRAYS (440 PCS FINISHED GOODS) PER CARTON BOX

NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	SIZE : A4

±0.004

