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

PRELIMINARY

RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

CL @ 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

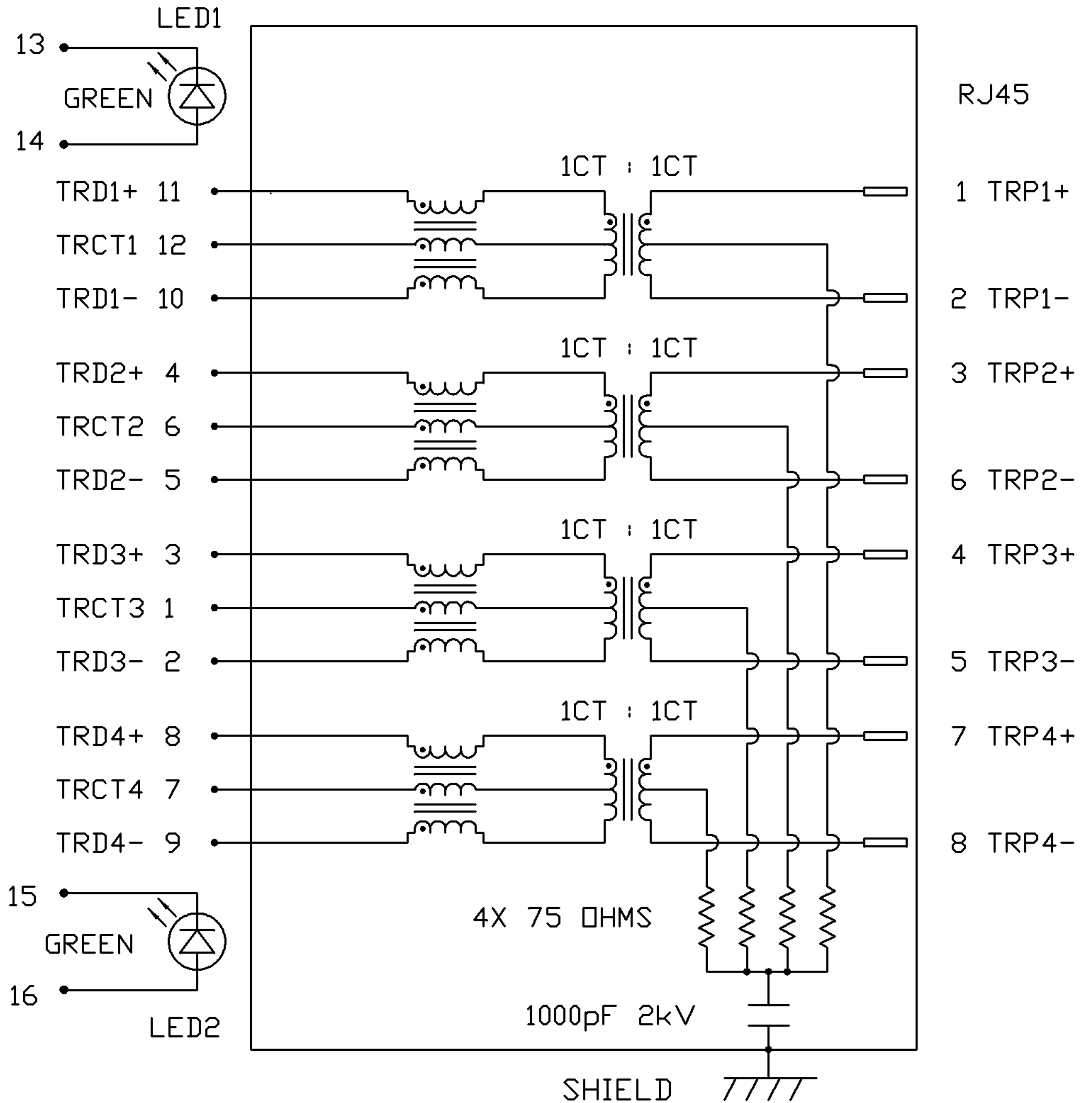
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS

OPERATING TEMPERATURE: -40°C TO 85°C

LED1 AND LED2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

SCHEMATIC



ORIGINATED BY	DATE
CHOW WANCHUNG	10-07-08
DRAWN BY	DATE
LI YONGFENG	10-07-08

TITLE
gigabit MagJack® (Low Profile, Extend TEMP.) L826-1G1T-32-F

PART NO. / DRAWING NO.
L8261G1T32-F
FILE NAME
L8261G1T32-F_PA.DWG

STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX

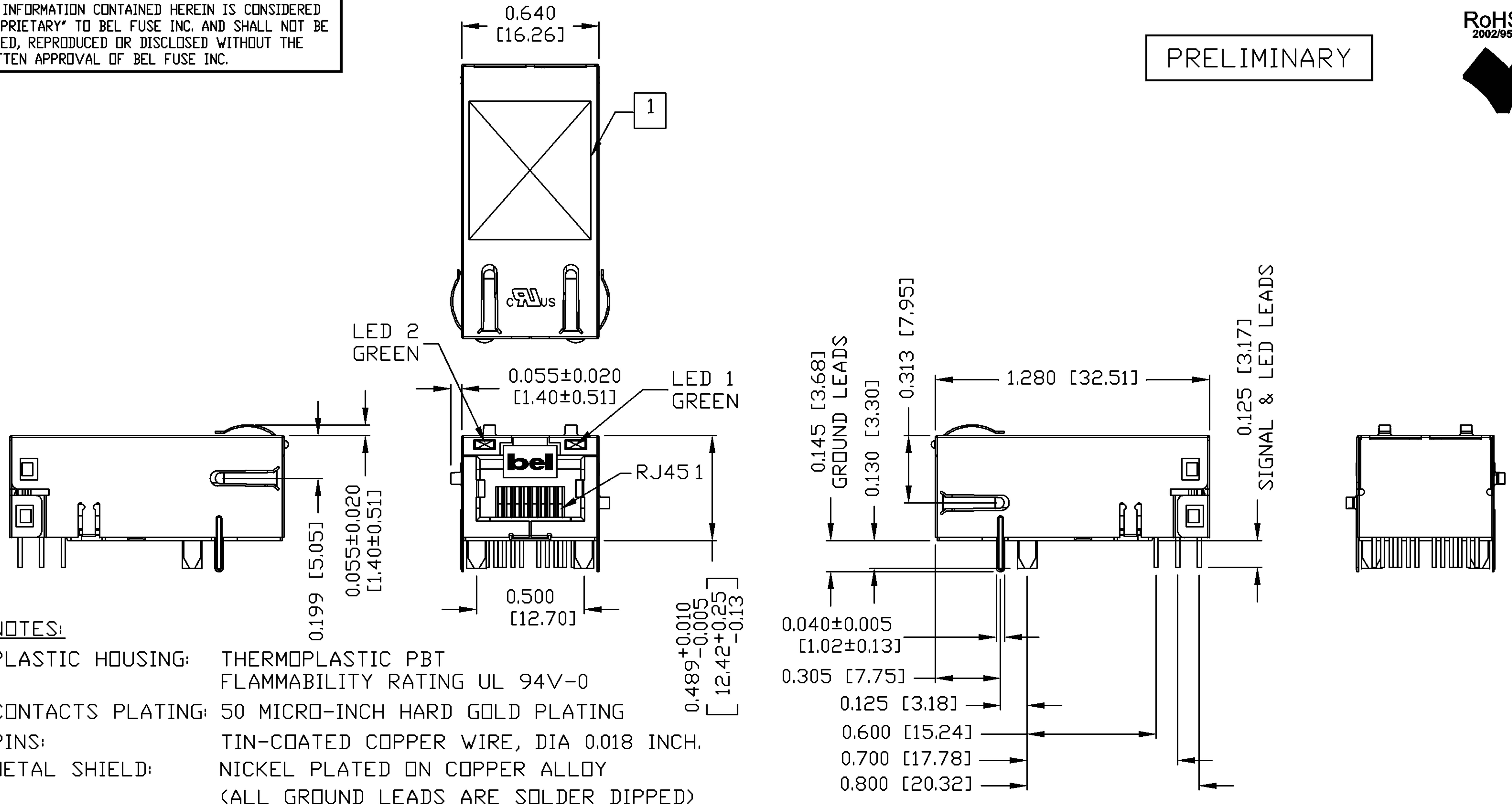
[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : PA
SIZE : A4
PAGE : 2



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UL US UL RECOGNIZED - FILE #E196366 AND E169987.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY		DATE			TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
CHEN BILL		10-07-08	gigabit MagJack® (Low Profile, Extend TEMP.) L826-1G1T-32-F	L8261G1T32-F FILE NAME L8261G1T32-F_PA.DWG	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN		10-07-08			.XX			PAGE : 3	
					.XXX	±0.010			

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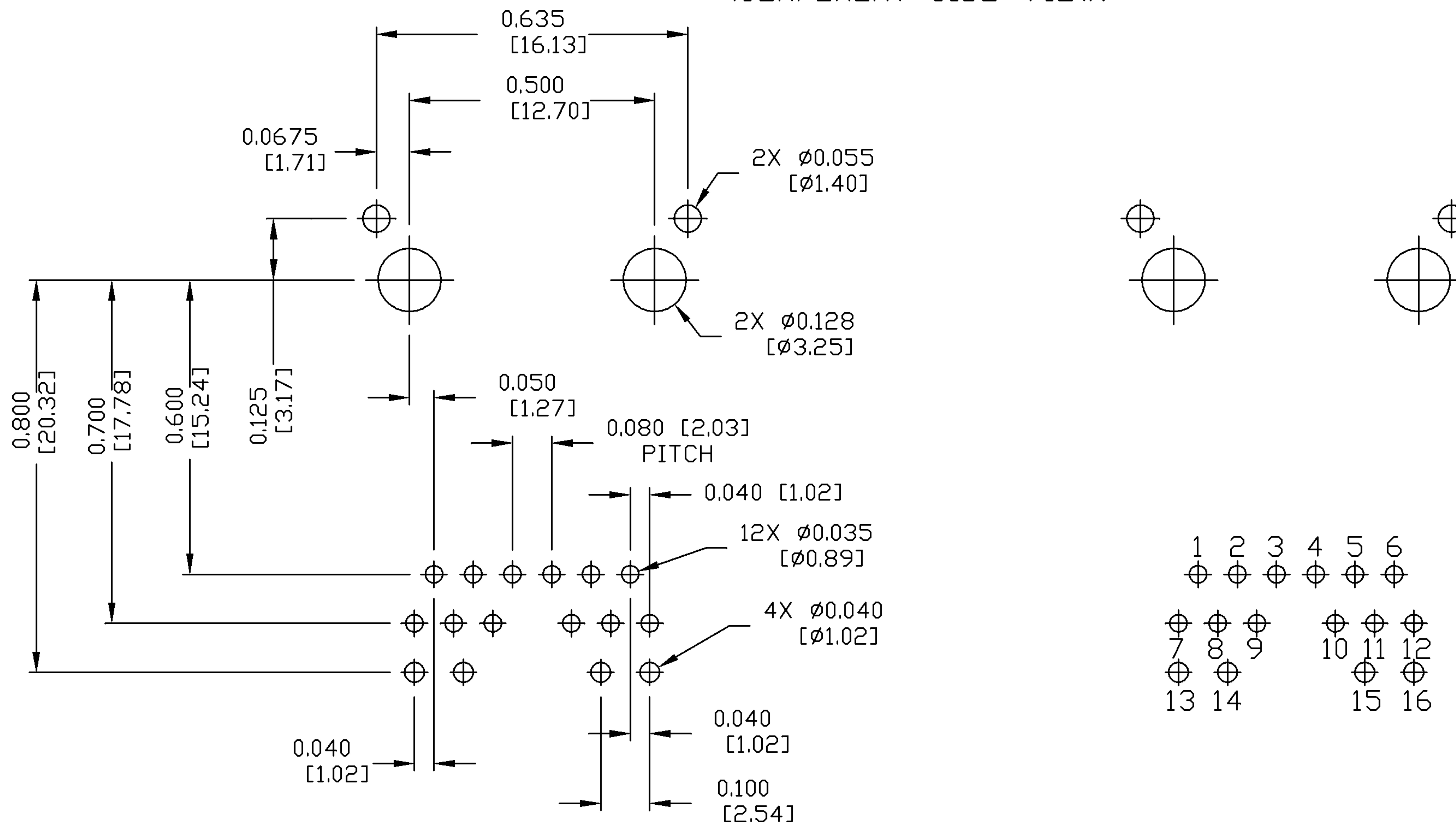
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RECOMMENDED PCB FOOTPRINT

(COMPONENT SIDE VIEW)



ORIGINATED BY
CHEN BILL

DATE
10-07-08

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XIAN JIAXIN

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10-07-08

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glgabit MagJack®
(Low Profile, Extend TEMP.)
L826-1G1T-32-F

PART NO. / DRAWING NO.
L8261G1T32-F

FILE NAME
L8261G1T32-F_PA.DWG

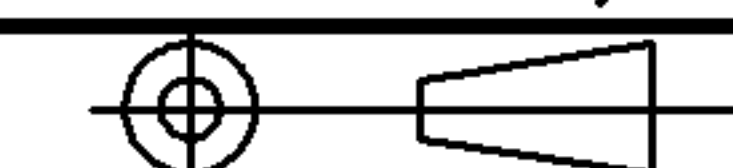
STANDARD DIM.
TOL. IN INCH

.X	
.XX	
.XXX	±0.004

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

SCALE : N/A



REV. : PA

SIZE : A4

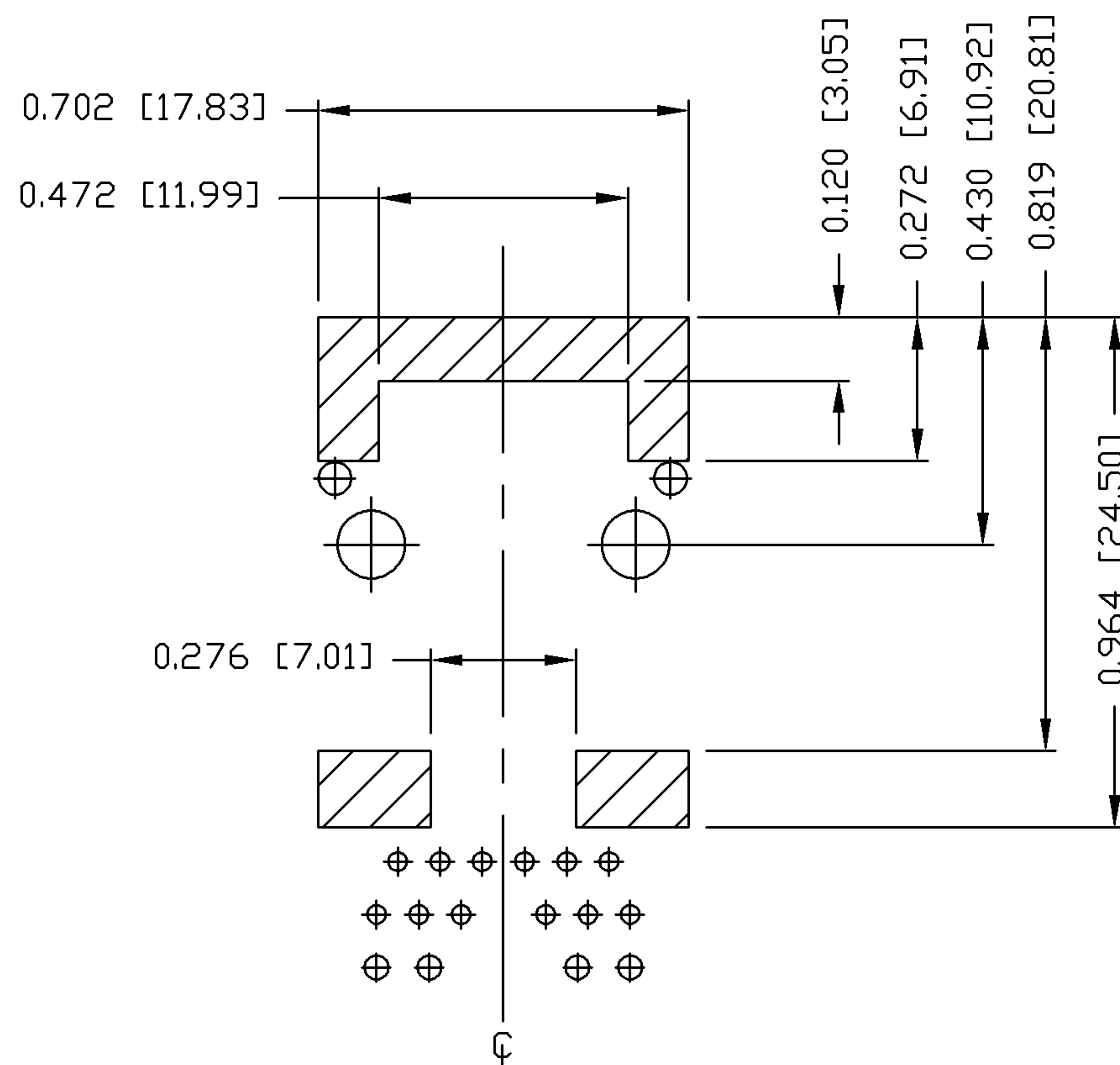
PAGE : 4

bel
COMPONENTS FOR A
CONNECTED
PLANET

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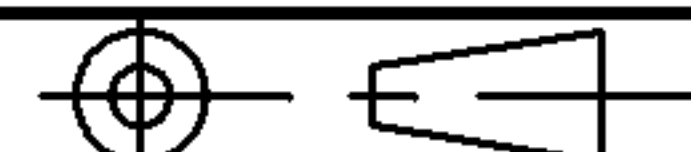
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NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

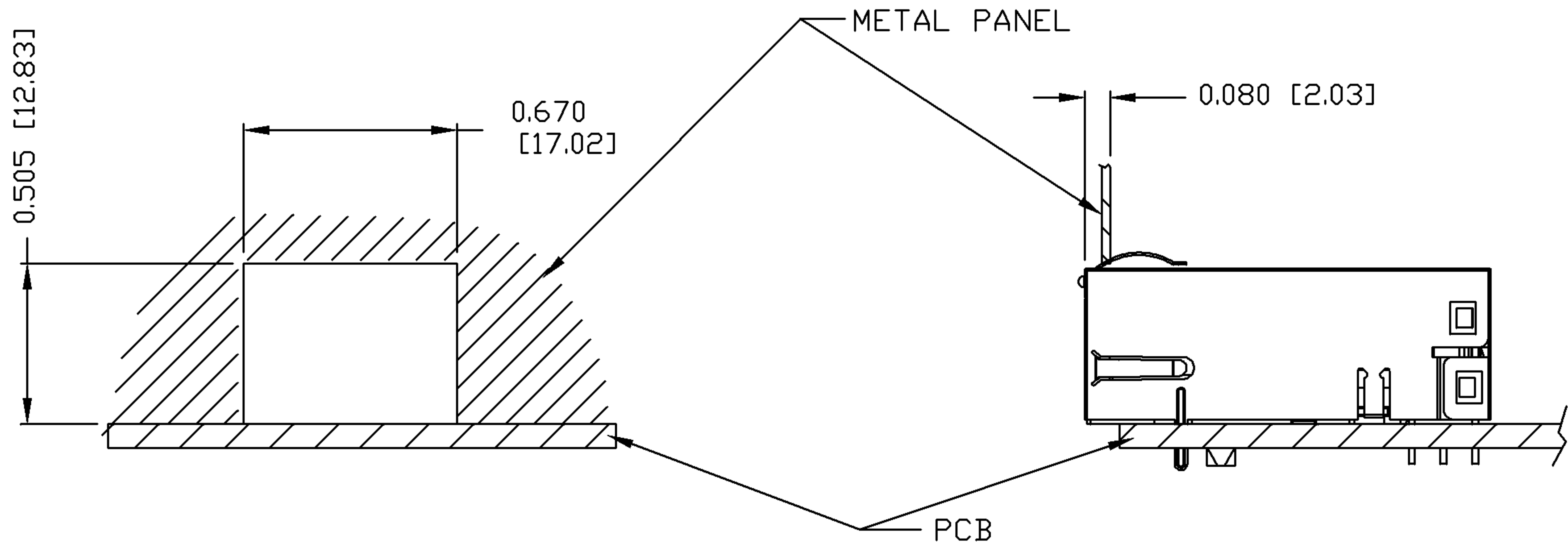
ORIGINATED BY CHEN BILL	DATE 10-07-08	TITLE gigabit MagJack® (Low Profile, Extend TEMP.) L826-1G1T-32-F	PART NO. / DRAWING NO. L8261G1T32-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 10-07-08		FILE NAME L8261G1T32-F_PA.DWG	.X		UNIT : INCH [mm]	REV. : PA	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 5	

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PRELIMINARY



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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
CHEN BILL	10-07-08	gigabit MagJack® (Low Profile, Extend TEMP.) L826-1G1T-32-F	L8261G1T32-F	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX			PAGE : 6	
XIAN JIAXIN	10-07-08			.XXX	±0.004			

Mouser Electronics

Authorized Distributor

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Bel:

[L826-1G1T-32-F](#)