RoHS

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

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

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

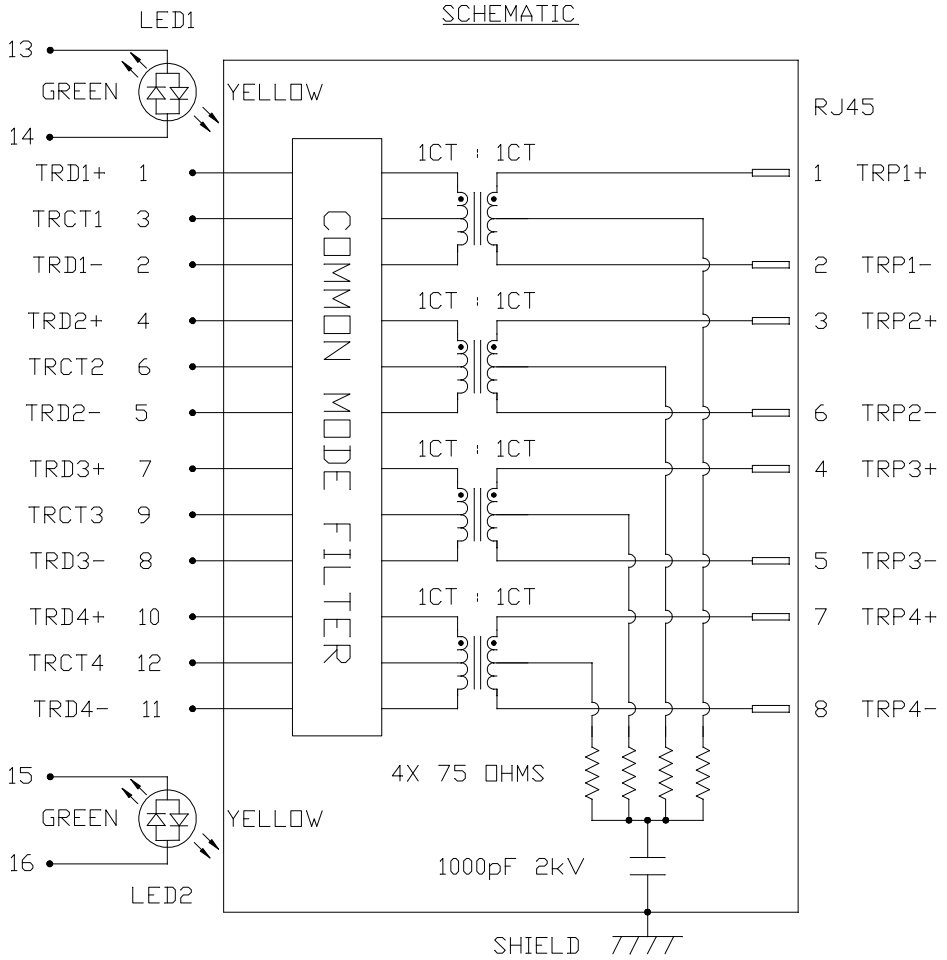
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 & LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE: -40 TO +85°C

SCHEMATIC

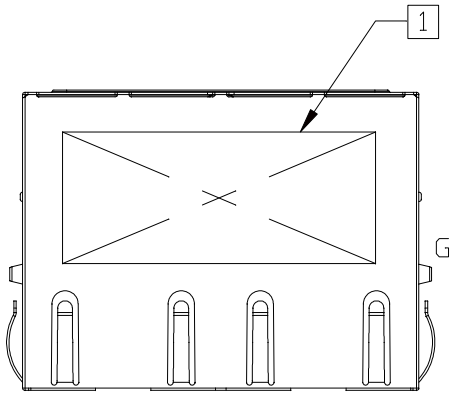


REV. : A | PAGE : 2

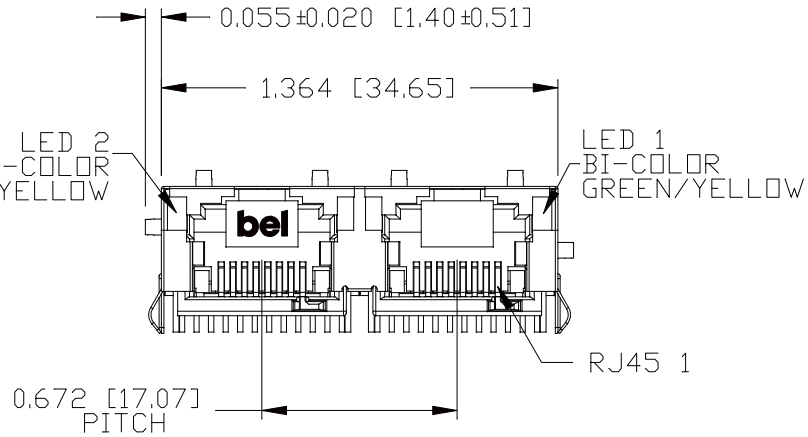
ORIGINATED BY CHOW WANCHUNG DATE 2016-02-23 DRAWN BY MURPHY LEE DATE 2016-02-23	TITLE Gigabit MagJack® NanoJack, Extend Temperature PATENTED	PART NO. / DRAWING NO. L886-1C2T-GA FILE NAME L886-1C2T-GA_A.DWG	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group

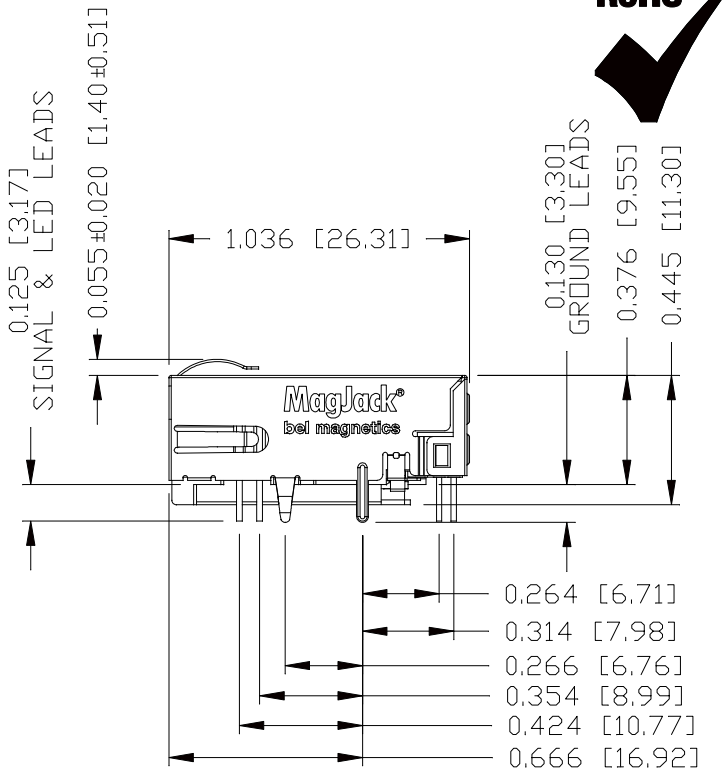
MECHANICAL SPECIFICATION

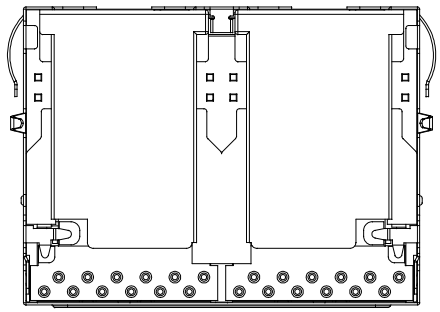
RoHS



TOP VIEW







BOTTOM VIEW

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 PART NUMBER, DATE CODE AND PATENTED.

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

2. THE PRODUCT IS RoHS COMPLIANT.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

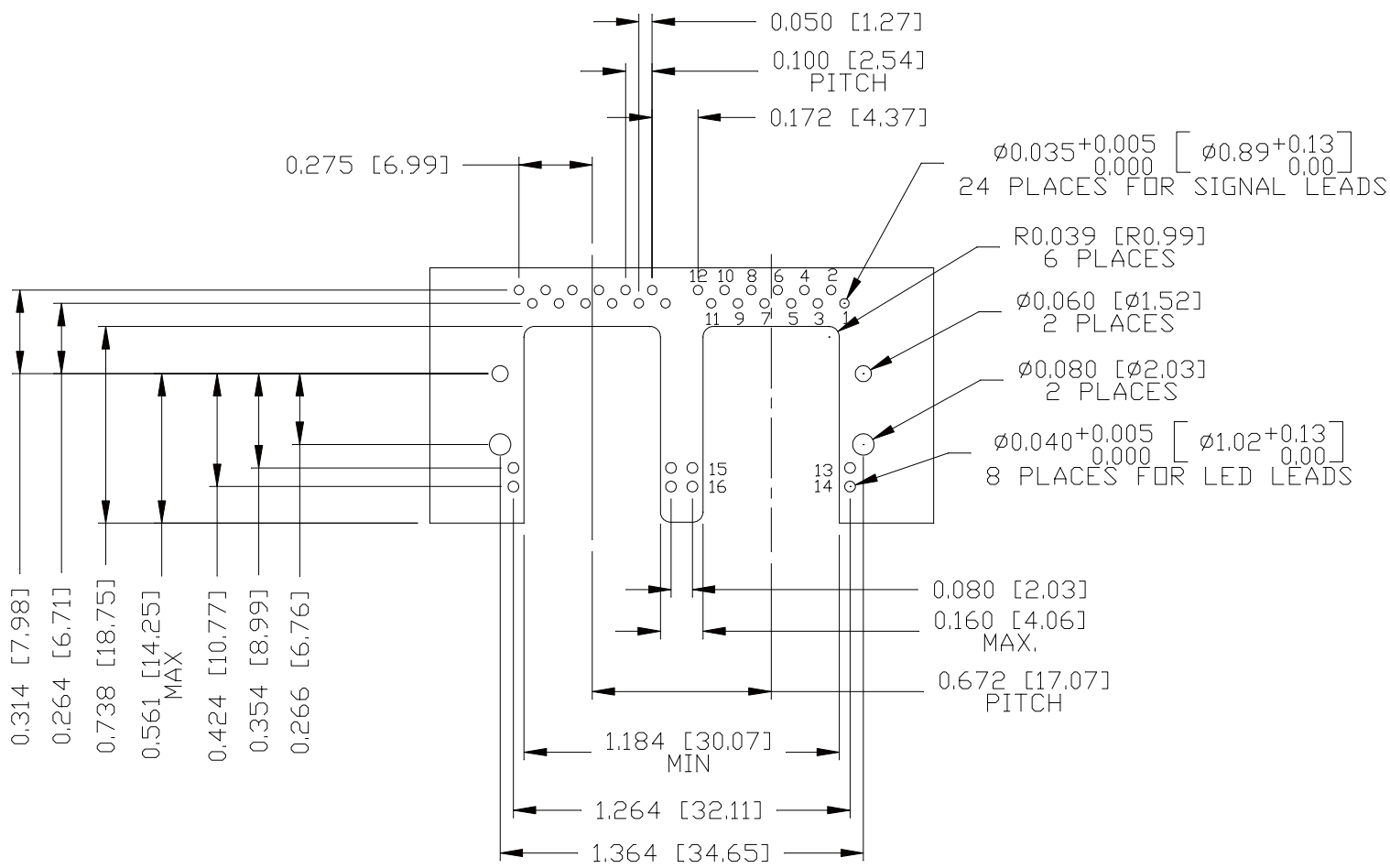
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

REV. : A				PAGE : 3	
ORIGINATED BY ANTON LIAO DATE 2016-02-23	TITLE Gigabit MagJack® NanoJack, Extend Temperature PATENTED	PART NO. / DRAWING NO. L886-1C2T-GA	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2016-02-23		FILE NAME L886-1C2T-GA_A.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

RoHS

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



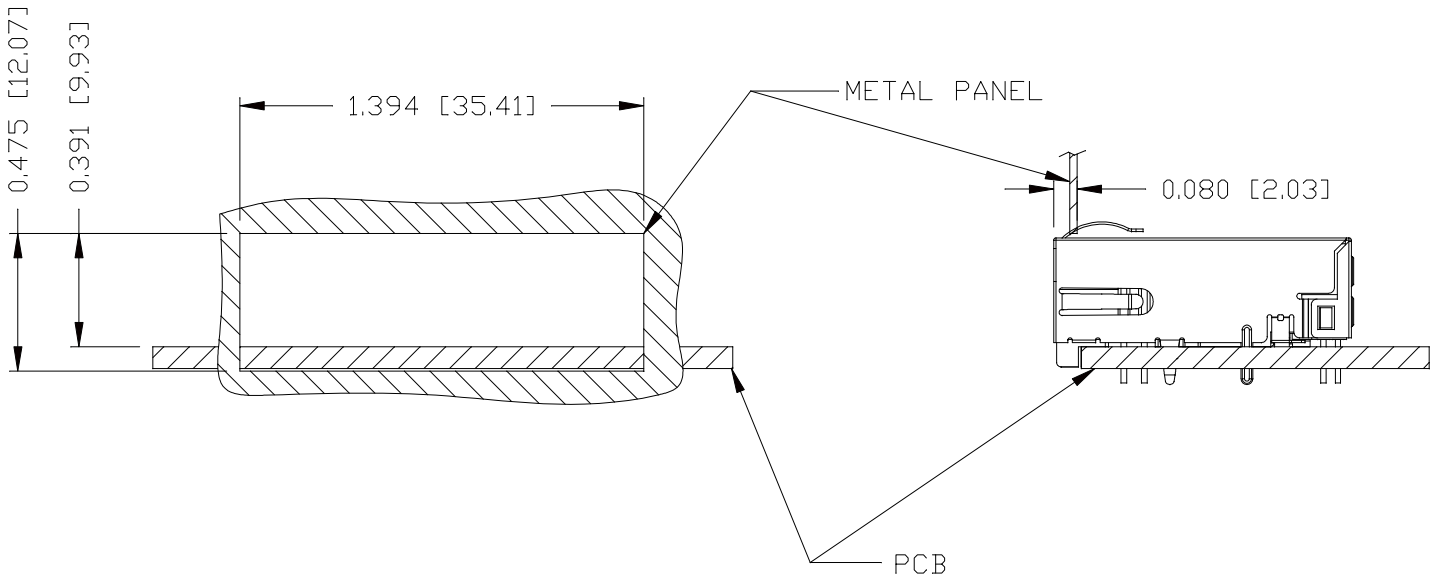
REV. :	A
PAGE :	4

ORIGINATED BY ANTON LIAO DATE 2016-02-23	TITLE Gigabit MagJack® NanoJack, Extend Temperature PATENTED	PART NO. / DRAWING NO. L886-1C2T-GA	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004
DRAWN BY JESSE LI DATE 2016-02-23		FILE NAME L886-1C2T-GA_A.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

bel MAGNETIC SOLUTIONS
a bel group

RoHS

SUGGESTED PANEL OPENING



NOTES:

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 : 0200M9999-C2 (TOP)
0200M9999-C3 (BOTTOM)

PACKING QUANTITY : 36 PCS FINISHED GOODS PER TRAY
12 TRAYS (432 PCS FINISHED GOODS) PER CARTON BOX

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

ORIGINATED BY ANTON LIAO DATE 2016-02-23	TITLE Gigabit MagJack® NanoJack, Extend Temperature PATENTED	PART NO. / DRAWING NO. L886-1C2T-GA	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2016-02-23		FILE NAME L886-1C2T-GA_A.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	