



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RoHS



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

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 (0-70 Deg. C)
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
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CM TO DM REJ

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

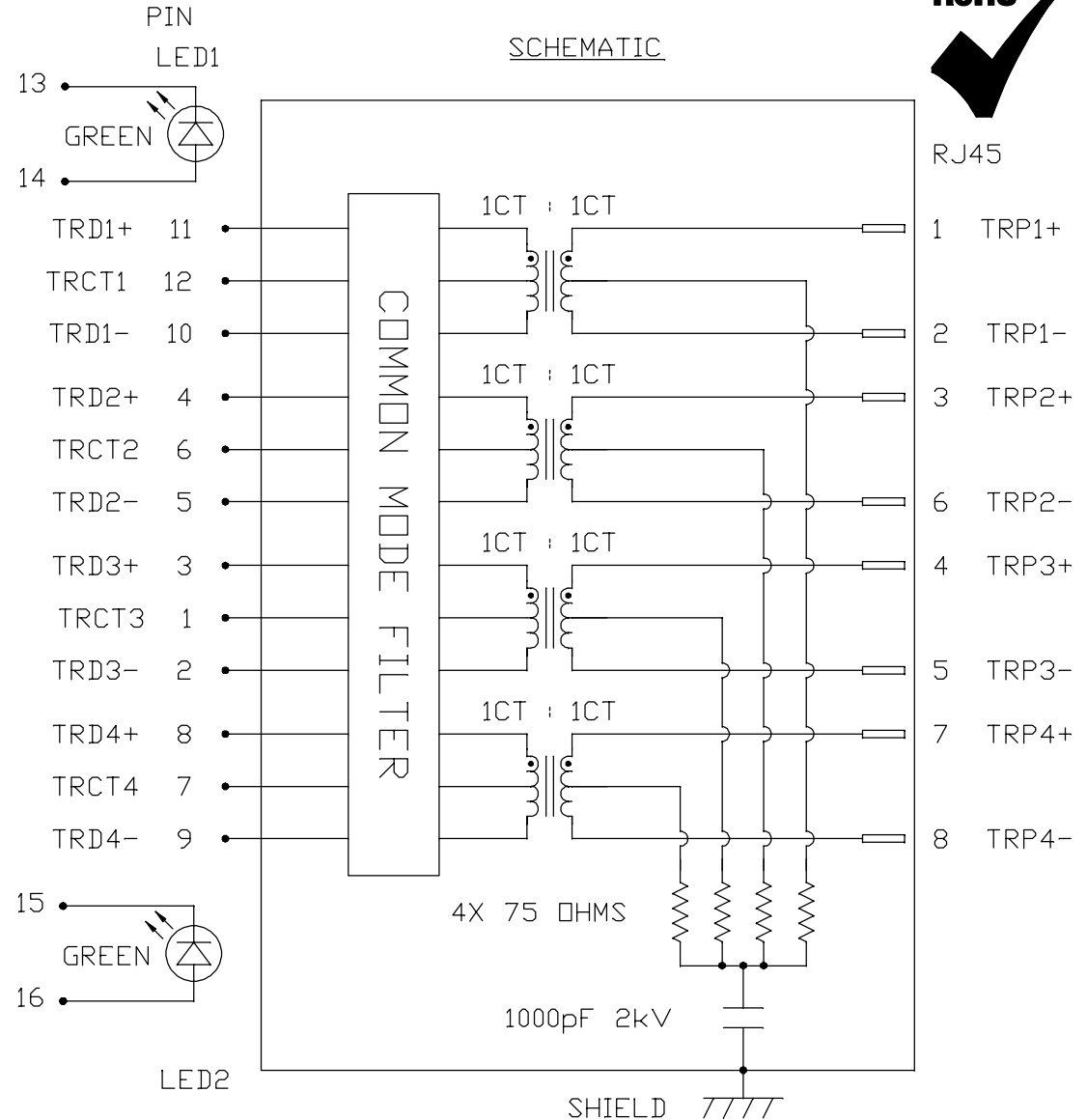
100% OF PRODUCT TESTED IN PRODUCTION

LED1 & LED2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

OPERATING TEMPERATURE: 0°C TO 70°C



REV. : F PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2017-10-09

TITLE
gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
L829-1G1T-43

FILE NAME
L829-1G1T-43_F.DWG

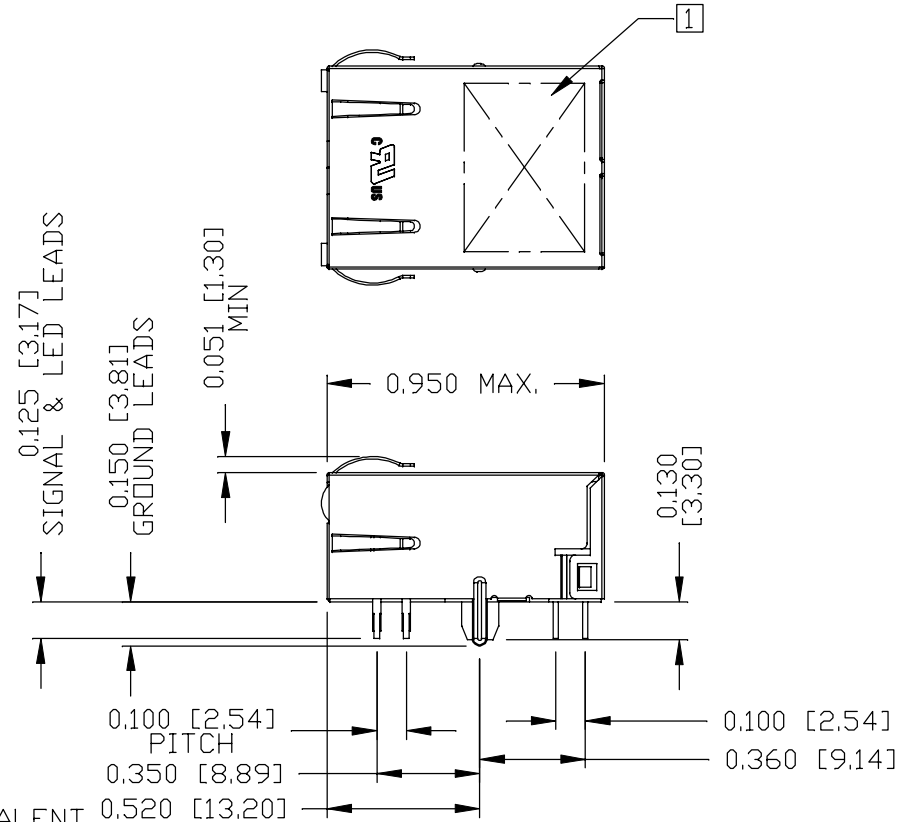
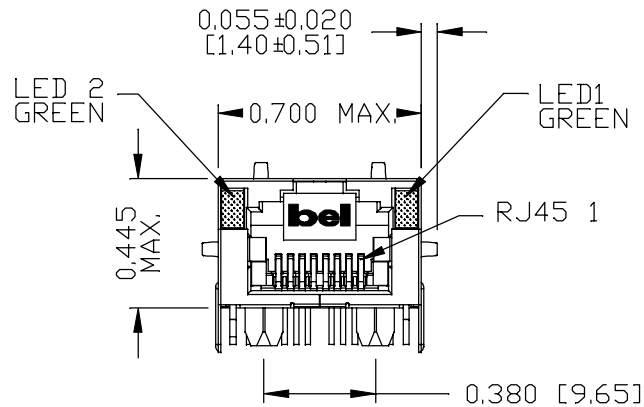
STANDARD DIM. [] METRIC DIM.
TOL. IN INCH AS REF.

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



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MECHANICAL SPECIFICATION



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT,
- OUTPUT 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 DIPPED)

- 1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER(L829-1G1T-43), AND DATE CODE AND PATENTED.
- 2. THE PRODUCT IS RoHS COMPLIANT.

- 3. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
- 4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

UL RECOGNIZED - FILE #E196366 AND E169987.

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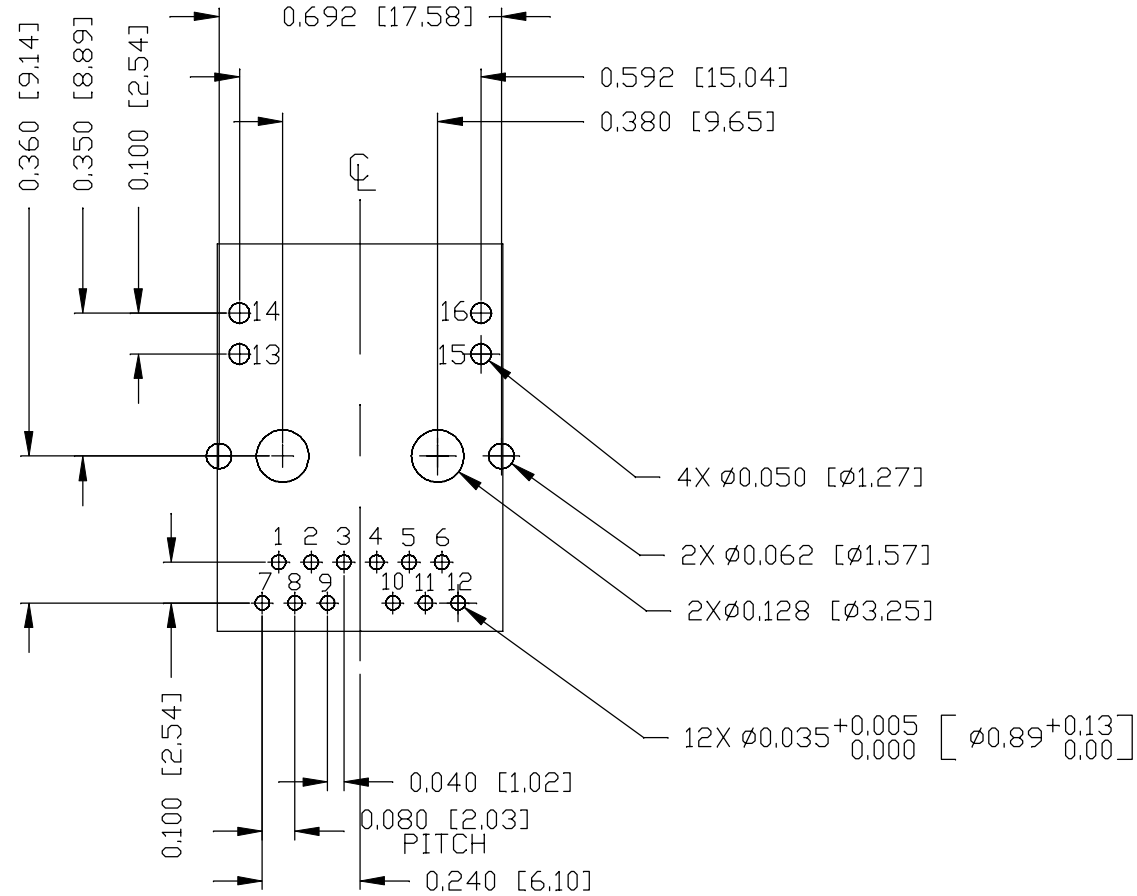
ORIGINATED BY ANTON LIAO DATE 2017-10-09	TITLE gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO. L829-1G1T-43	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
		FILE NAME L829-1G1T-43_F.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4



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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

RoHS



REV. :	F	PAGE :	4
		UNIT : INCH [mm]	
		SCALE : N/A	
		SIZE : A4	
		a bel group	

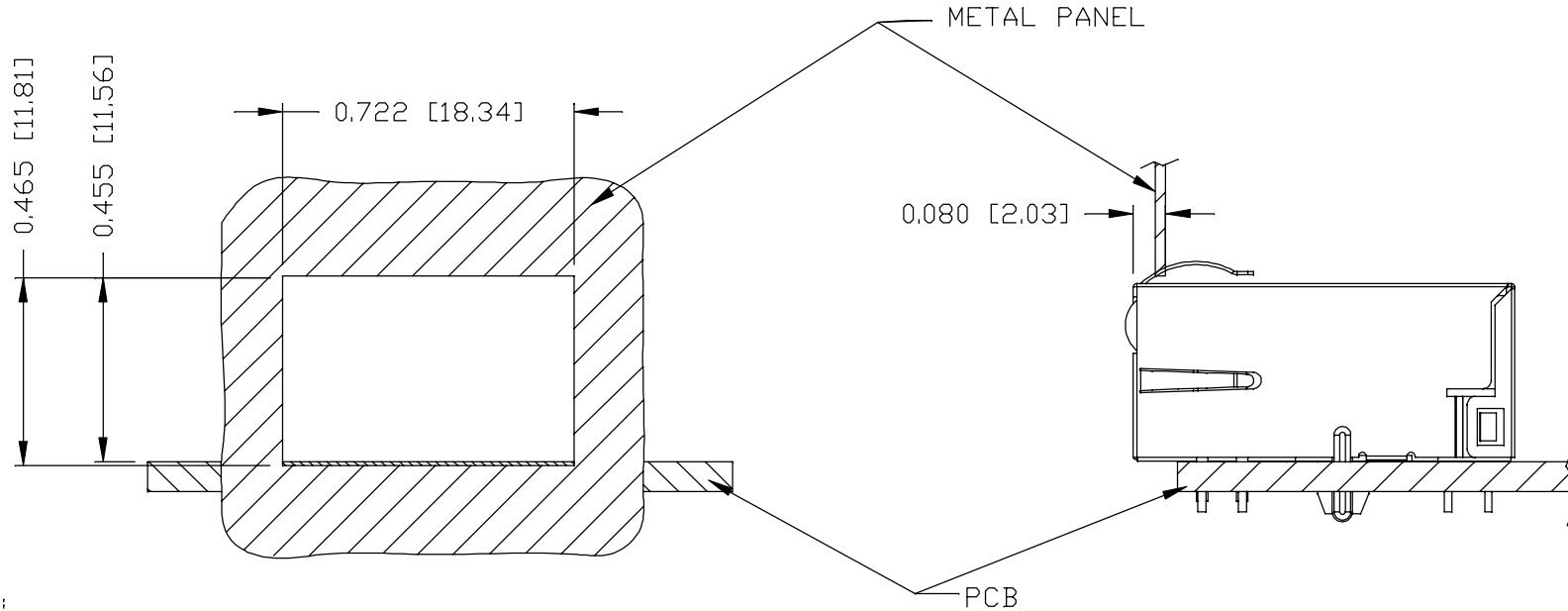
ORIGINATED BY ANTON LIAO DATE 2017-10-09	TITLE gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO. L829-1G1T-43	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
DRAWN BY LI QUANKUN DATE 2017-10-09		FILE NAME L829-1G1T-43_F.DWG	.X .XX .XXX	±0.004

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RoHS



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)

REV. :	F	PAGE :	5
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ORIGINATED BY ANTON LIAO
DATE 2017-10-09
DRAWN BY LI QUANKUN
DATE 2017-10-09

TITLE gigabit MagJack® (Ultra Low Profile) PATENTED
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PART NO. / DRAWING NO. L829-1G1T-43
FILE NAME L829-1G1T-43_F.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX ±0.004	SIZE : A4

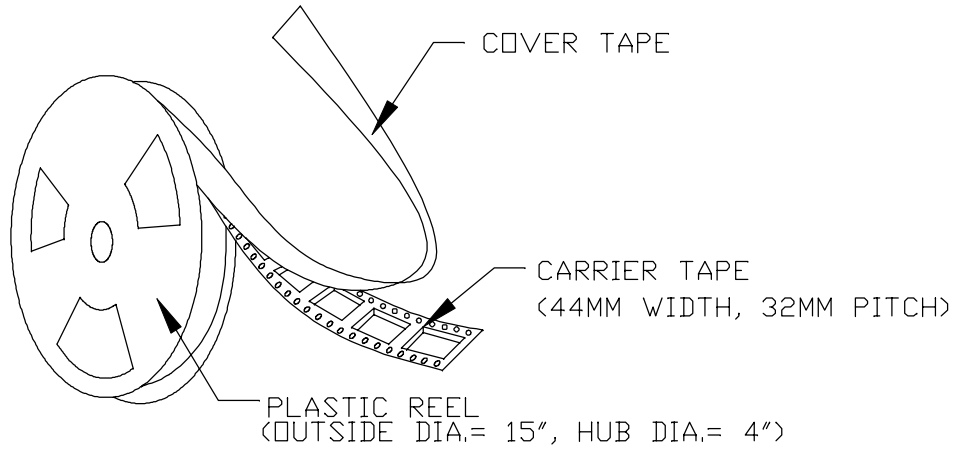


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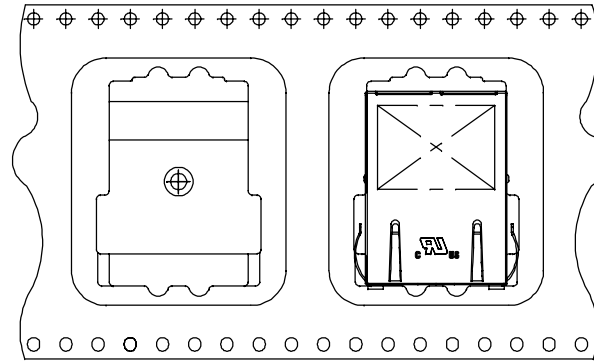
RoHS



TAPE AND REEL PACKING INFORMATION:



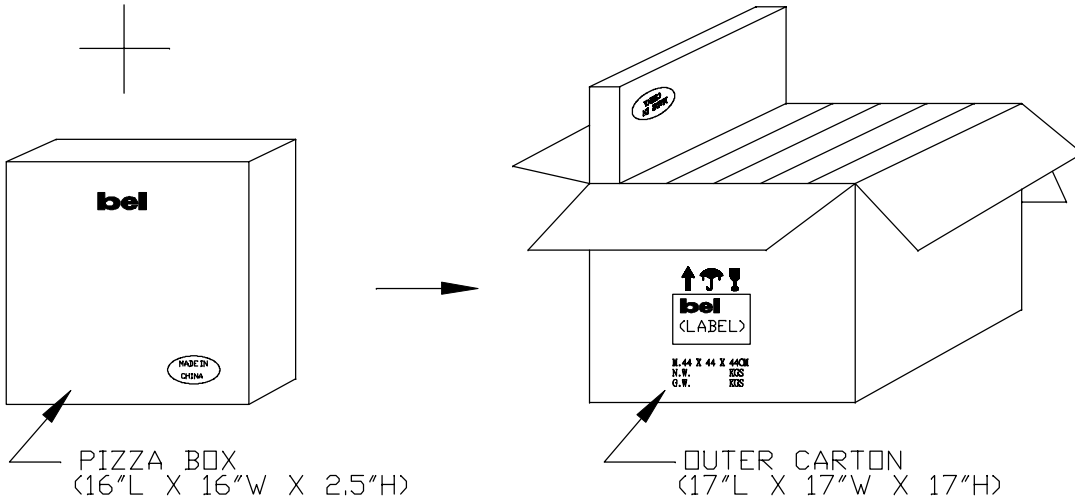
USER FEED DIRECTION



PART ORIENTATION & FEEDING DIRECTION.

NOTES:

- 1) LEAVES 48 INCHES COVER TAPE AND 10 EMPTY POCKETS AT TRAILER.
- 2) LEAVES 24 INCHES COVER TAPE AND 13 EMPTY POCKETS AT LEADER.
- 3) PACK 140 PCS PER REEL.
- 4) EACH PIZZA BOX CONTAINS ONE (1) REEL, (140 PCS FINISHED GOODS EACH PIZZA BOX).
- 5) EACH OUTER CARTON CONTAINS SIX (6) PIZZA BOXES, (840 PCS FINISHED GOODS EACH OUTER CARTON).



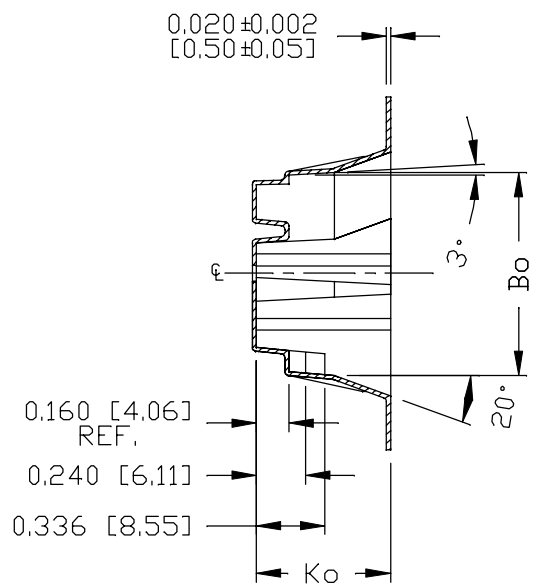
REV. : F PAGE : 6

ORIGINATED BY ANTON LIAO DATE 2017-10-19	TITLE gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO. L829-1G1T-43	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
		FILE NAME L829-1G1T-43_F.DWG	.X	UNIT : INCH [mm]	
DRAWN BY LI QUANKUN DATE 2017-10-19		.XX	SCALE : N/A		
		.XXX	±0.004	SIZE : A4	

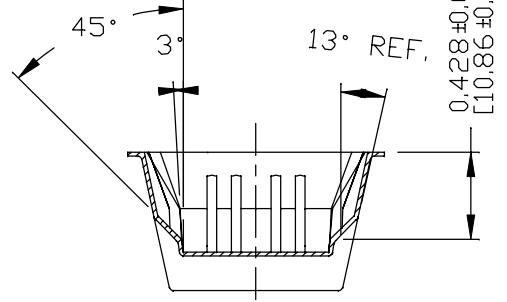
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DIMENSION CHART					
Ao	Bo	Ko	P1	So	LENGTH/22"REEL
0.713 [18.10]	0.965 [24.51]	0.657 [16.69]	1.260 [32.00]	1.591 [40.40]	11 METERS

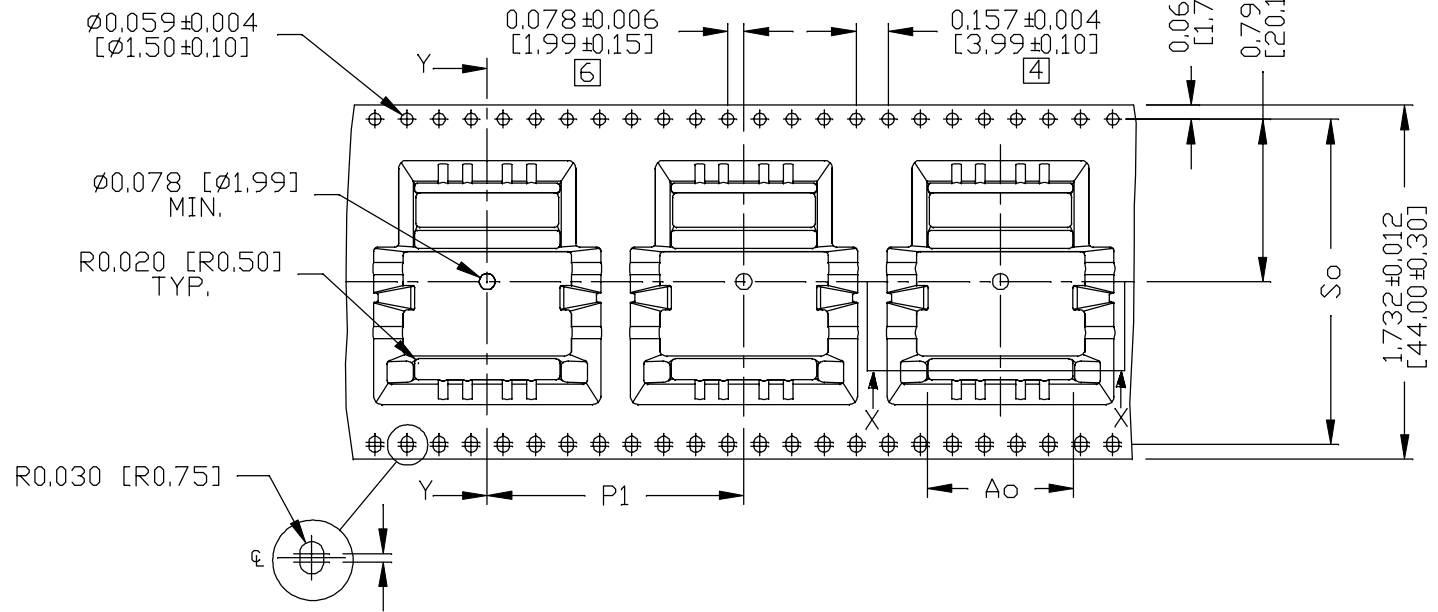
FOR CARRIER TAPE



SECTION Y-Y



SECTION X-X



NOTES :

1. ALL OTHER SPECIFICATIONS SHOULD MEET EIA 481-2-A STANDARD.
2. CARRIER TAPE: N220-0405-09.

ORIGINATED BY
ANTON LIAO
DATE 2017-10-19

DRAWN BY
LI QUANKUN
DATE 2017-10-19

TITLE
gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
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FILE NAME
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.XX	SCALE : N/A
.XXX	SIZE : A4

REV. : F	PAGE : 7
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a bel group