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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

**CM TO DM REJ**

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms / 2250 VDC

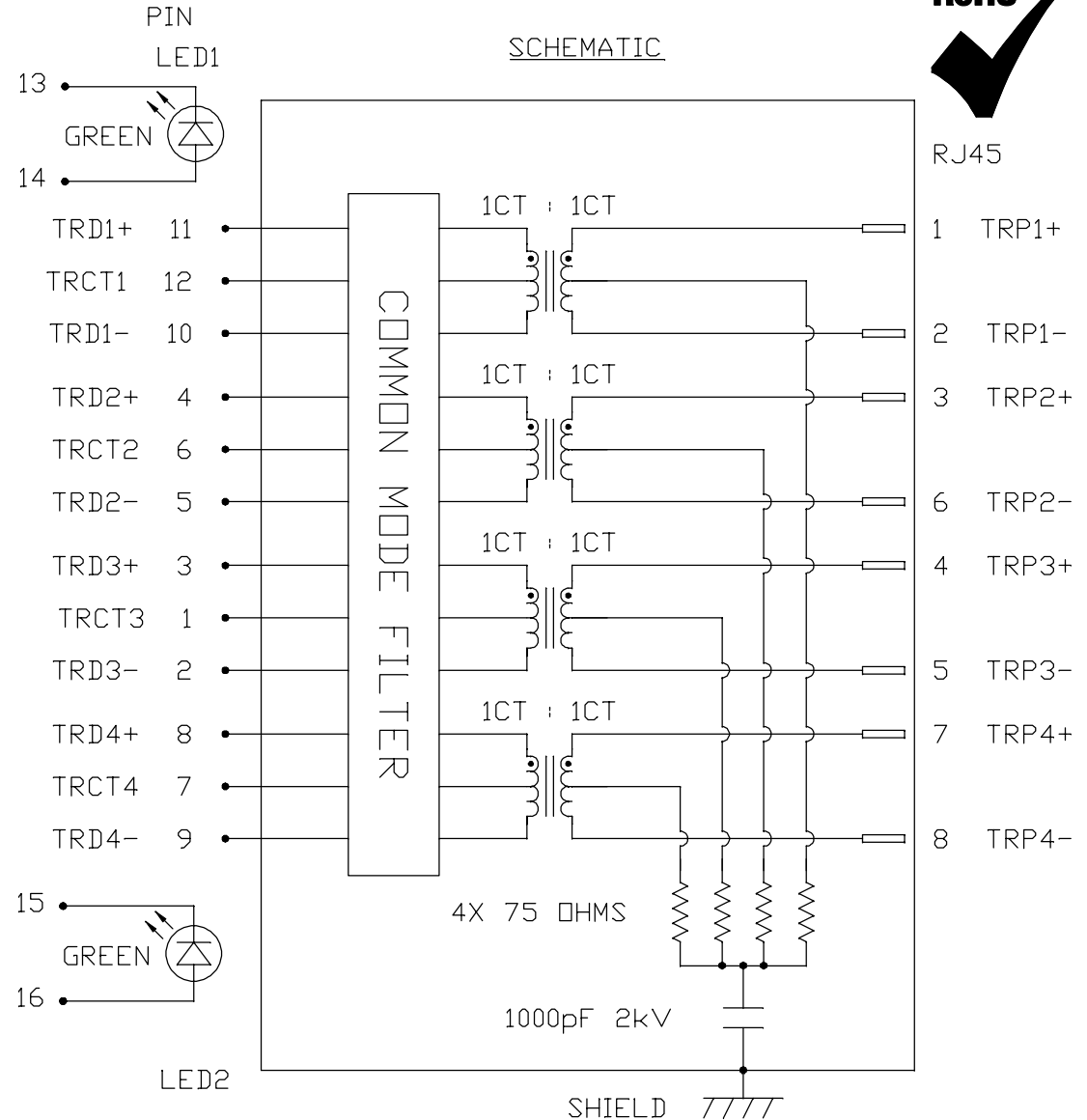
100% OF PRODUCT TESTED IN PRODUCTION

**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  
DRAWN BY  
XIE YIMING  
DATE 2017-10-09

TITLE  
gigabit MagJack®  
(Ultra Low Profile)  
PATENTED

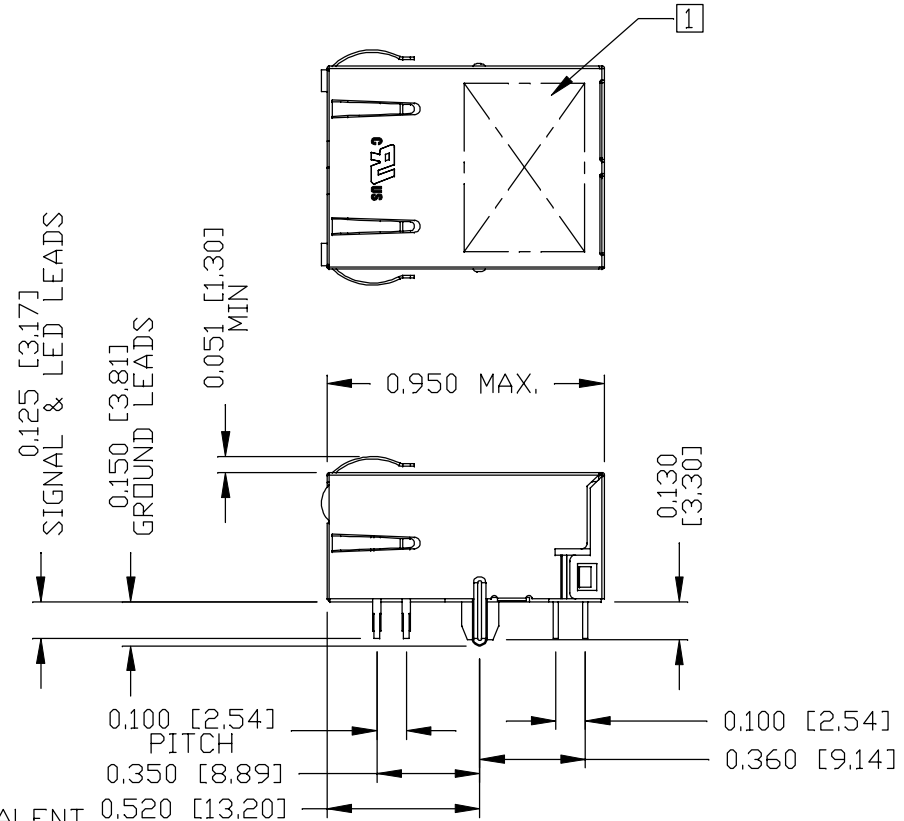
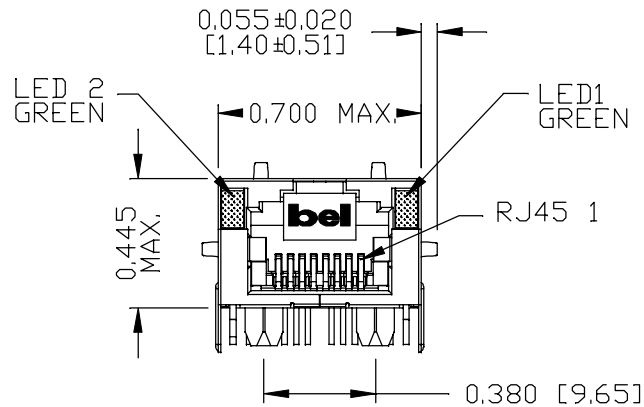
PART NO. / DRAWING NO.  
L829-1G1T-43  
FILE NAME  
L829-1G1T-43\_F.DWG

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)

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

- THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
- 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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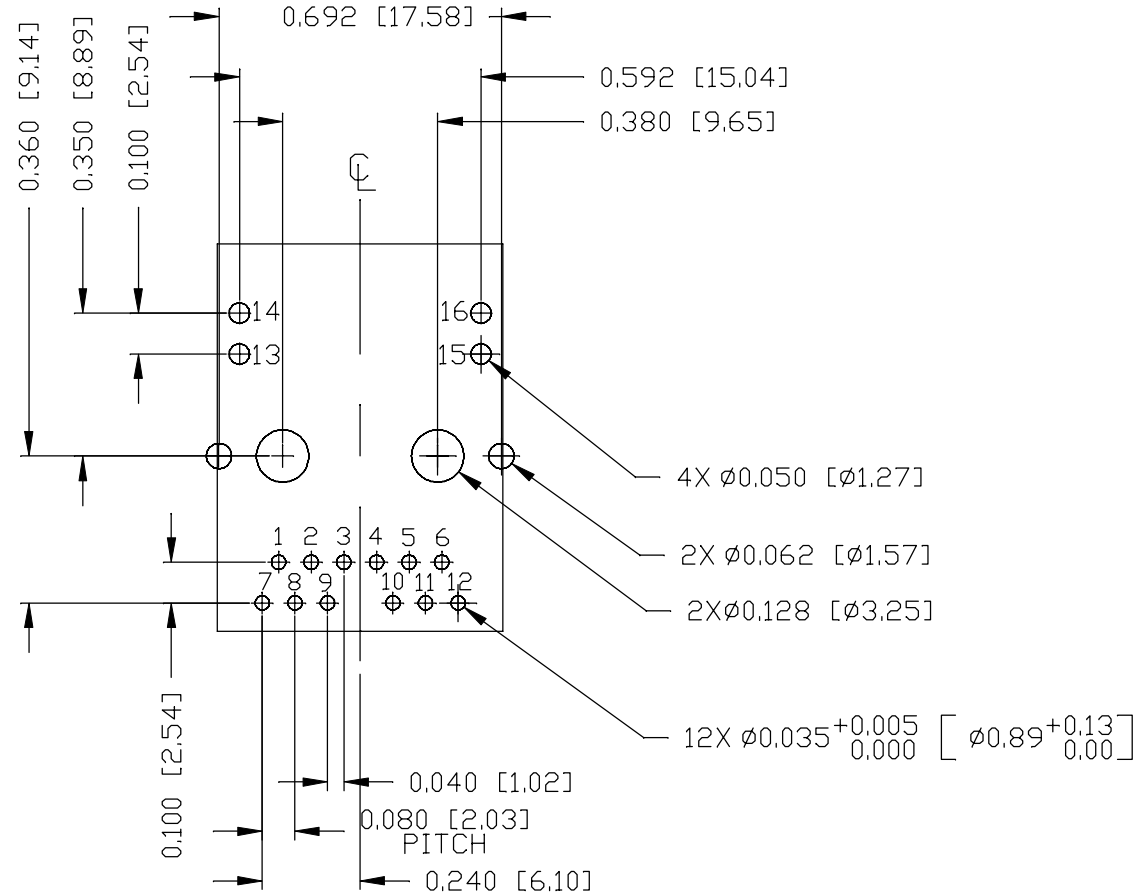
ORIGINATED BY ANTON LIAO DATE 2017-10-09	TITLE gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO. L829-1G1T-43	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
		FILE NAME L829-1G1T-43_F.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4



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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW

RoHS



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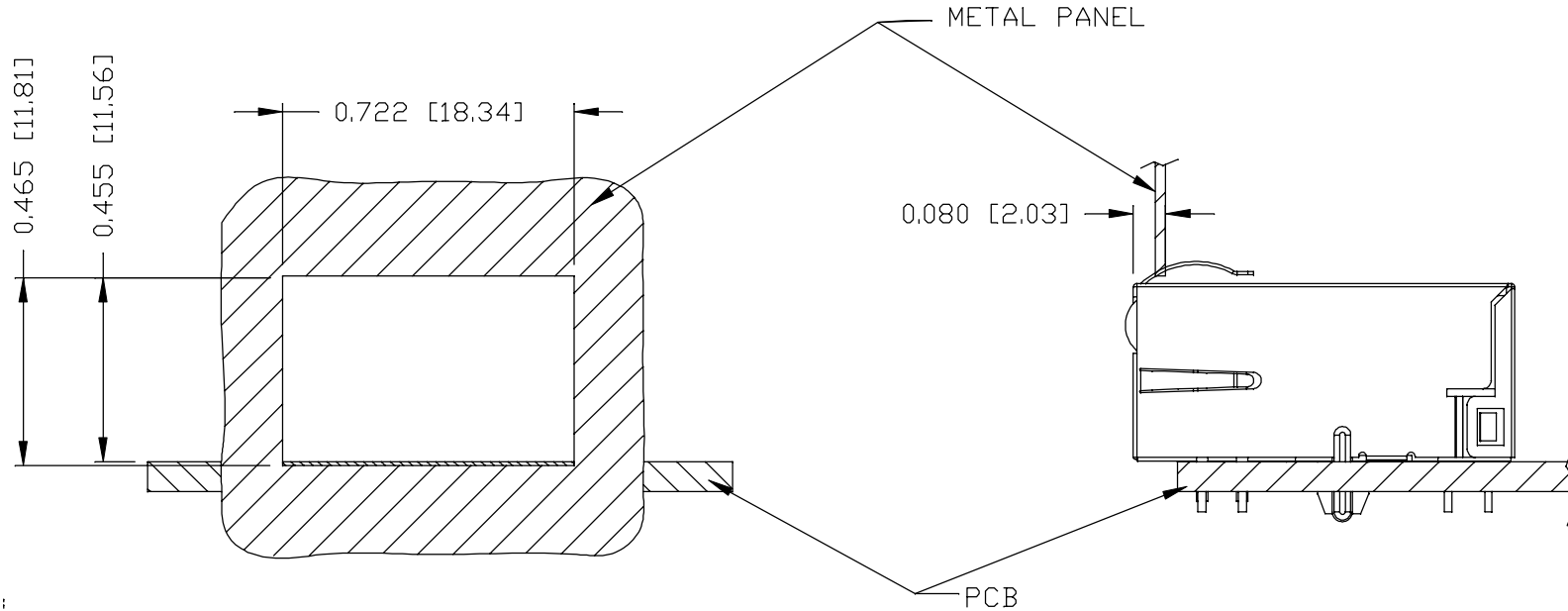
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DRAWN BY LI QUANKUN DATE 2017-10-09		FILE NAME L829-1G1T-43_F.DWG	.X	UNIT : INCH [mm]
			.XX	SCALE : N/A
			.XXX	±0.004
				SIZE : A4

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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)

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		<b>bel</b> MAGNETIC SOLUTIONS a bel group	

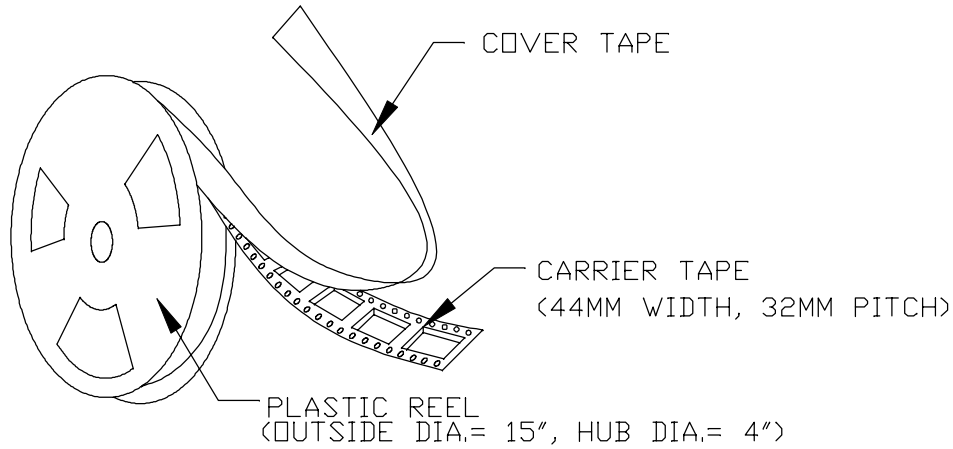
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			.XXX ±0.004	SIZE : A4

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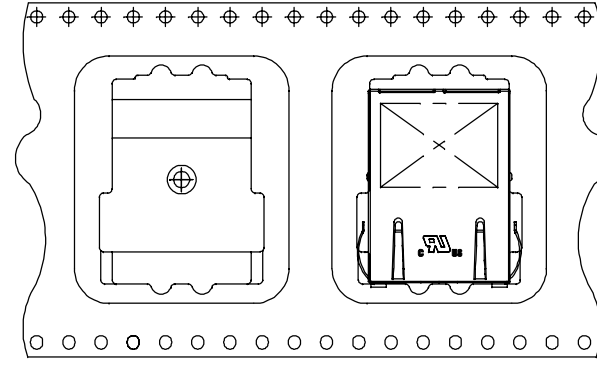
RoHS



TAPE AND REEL PACKING INFORMATION:



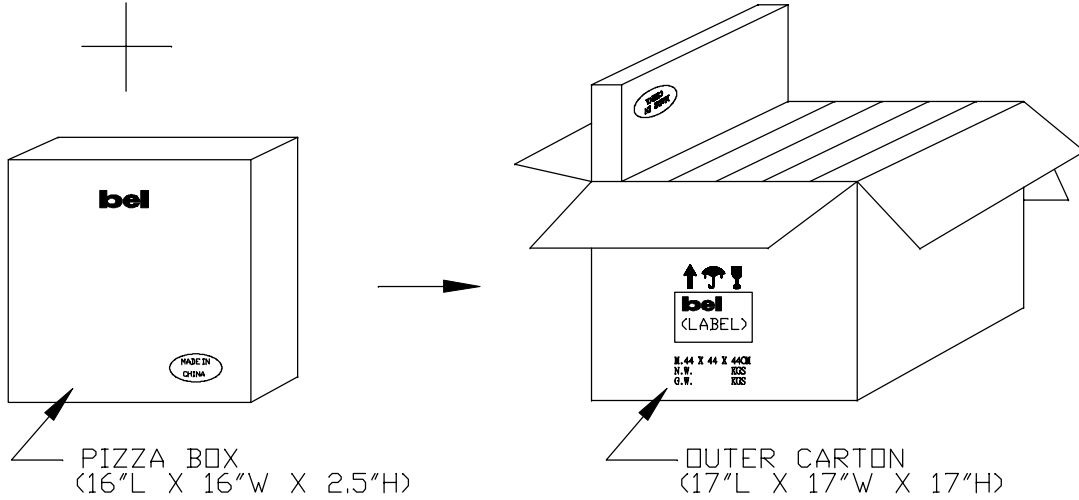
USER FEED DIRECTION



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

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DRAWN BY  
LI QUANKUN  
DATE 2017-10-19

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PATENTED

PART NO. / DRAWING NO.  
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FILE NAME  
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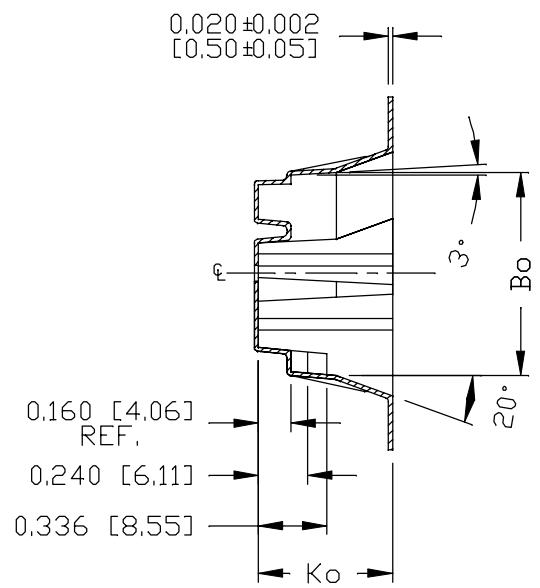
STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX ±0.004	SIZE : A4



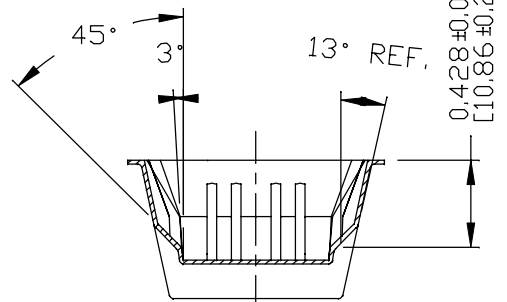
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DIMENSION CHART					
Ao	Bo	Ko	P1	So	LENGTH/22"REEL
0.713 [18.10]	0.965 [24.51]	0.657 [16.69]	1.260 [32.00]	1.591 [40.40]	11 METERS

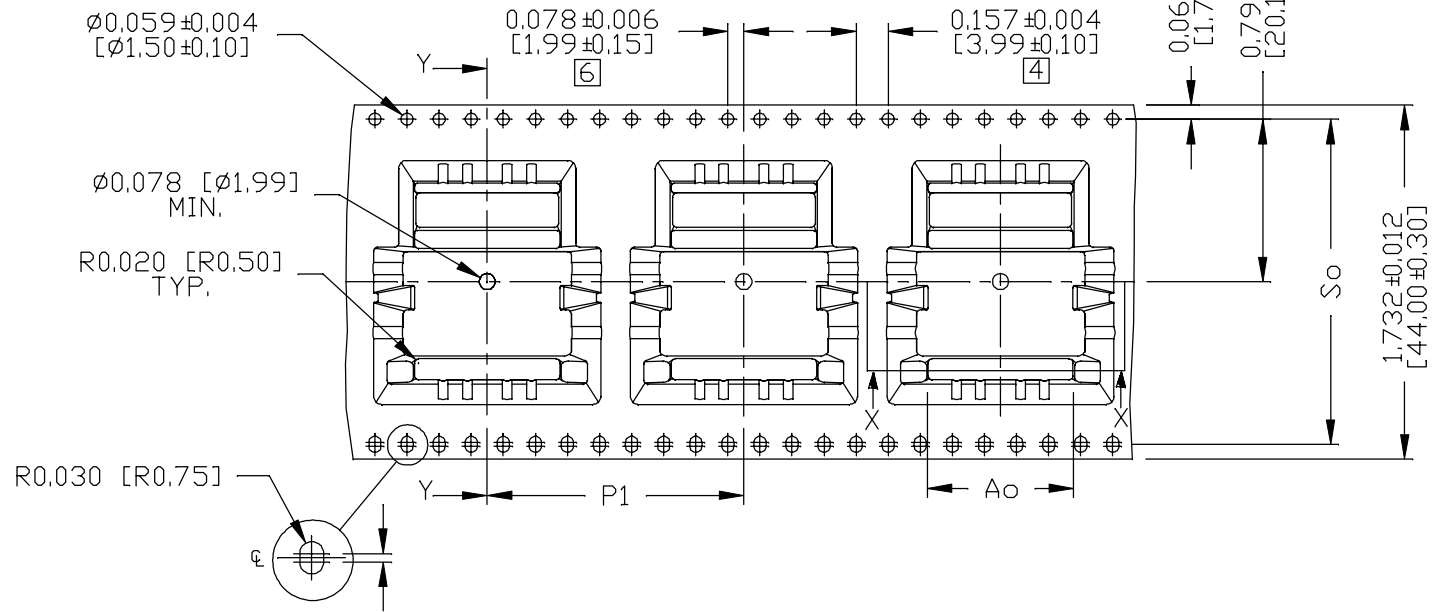
FOR CARRIER TAPE



SECTION Y-Y



SECTION X-X



NOTES :

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

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a bel group