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LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
—	+	YELLOW	—	+		ORANGE
				+	—	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1 1CT : 1CT ±2%

	TP2	TP1	TP3	TP4	TP5	TP6	TP7	TP8	TP9	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40	TP41	TP42	TP43	TP44	TP45	TP46	TP47	TP48	TP49	TP50	TP51	TP52	TP53	TP54	TP55	TP56	TP57	TP58	TP59	TP60	TP61	TP62	TP63	TP64	TP65	TP66	TP67	TP68	TP69	TP70	TP71	TP72	TP73	TP74	TP75	TP76	TP77	TP78	TP79	TP80	TP81	TP82	TP83	TP84	TP85	TP86	TP87	TP88	TP89	TP90	TP91	TP92	TP93	TP94	TP95	TP96	TP97	TP98	TP99	TP100	TP101	TP102	TP103	TP104	TP105	TP106	TP107	TP108	TP109	TP110	TP111	TP112	TP113	TP114	TP115	TP116	TP117	TP118	TP119	TP120	TP121	TP122	TP123	TP124	TP125	TP126	TP127	TP128	TP129	TP130	TP131	TP132	TP133	TP134	TP135	TP136	TP137	TP138	TP139	TP140	TP141	TP142	TP143	TP144	TP145	TP146	TP147	TP148	TP149	TP150	TP151	TP152	TP153	TP154	TP155	TP156	TP157	TP158	TP159	TP160	TP161	TP162	TP163	TP164	TP165	TP166	TP167	TP168	TP169	TP170	TP171	TP172	TP173	TP174	TP175	TP176	TP177	TP178	TP179	TP180	TP181	TP182	TP183	TP184	TP185	TP186	TP187	TP188	TP189	TP190	TP191	TP192	TP193	TP194	TP195	TP196	TP197	TP198	TP199	TP200	TP201	TP202	TP203	TP204	TP205	TP206	TP207	TP208	TP209	TP210	TP211	TP212	TP213	TP214	TP215	TP216	TP217	TP218	TP219	TP220	TP221	TP222	TP223	TP224	TP225	TP226	TP227	TP228	TP229	TP230	TP231	TP232	TP233	TP234	TP235	TP236	TP237	TP238	TP239	TP240	TP241	TP242	TP243	TP244	TP245	TP246	TP247	TP248	TP249	TP250	TP251	TP252	TP253	TP254	TP255	TP256	TP257	TP258	TP259	TP260	TP261	TP262	TP263	TP264	TP265	TP266	TP267	TP268	TP269	TP270	TP271	TP272	TP273	TP274	TP275	TP276	TP277	TP278	TP279	TP280	TP281	TP282	TP283	TP284	TP285	TP286	TP287	TP288	TP289	TP290	TP291	TP292	TP293	TP294	TP295	TP296	TP297	TP298	TP299	TP300	TP301	TP302	TP303	TP304	TP305	TP306	TP307	TP308	TP309	TP310	TP311	TP312	TP313	TP314	TP315	TP316	TP317	TP318	TP319	TP320	TP321	TP322	TP323	TP324	TP325	TP326	TP327	TP328	TP329	TP330	TP331	TP332	TP333	TP334	TP335	TP336	TP337	TP338	TP339	TP340	TP341	TP342	TP343	TP344	TP345	TP346	TP347	TP348	TP349	TP350	TP351	TP352	TP353	TP354	TP355	TP356	TP357	TP358	TP359	TP360	TP361	TP362	TP363	TP364	TP365	TP366	TP367	TP368	TP369	TP370	TP371	TP372	TP373	TP374	TP375	TP376	TP377	TP378	TP379	TP380	TP381	TP382	TP383	TP384	TP385	TP386	TP387	TP388	TP389	TP390	TP391	TP392	TP393	TP394	TP395	TP396	TP397	TP398	TP399	TP400	TP401	TP402	TP403	TP404	TP405	TP406	TP407	TP408	TP409	TP410	TP411	TP412	TP413	TP414	TP415	TP416	TP417	TP418	TP419	TP420	TP421	TP422	TP423	TP424	TP425	TP426	TP427	TP428	TP429	TP430	TP431	TP432	TP433	TP434	TP435	TP436	TP437	TP438	TP439	TP440	TP441	TP442	TP443	TP444	TP445	TP446	TP447	TP448	TP449	TP450	TP451	TP452	TP453	TP454	TP455	TP456	TP457	TP458	TP459	TP460	TP461	TP462	TP463	TP464	TP465	TP466
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TP2	1CT	1CT	2%
TP3	1CT	1CT	#2%

TP3	10T : 10T	±2%
TP4	10T : 10T	±2%

□CL @ 100kHz/100mVRMS (0-70 Deg. C)

8mA DC BIAS 350μH MIN.

INS. LOSS

0.1MHz TP 1MHz -1.1 dB MAX

1MHz TO 65MHz -0.5 dB MAX

1MHz TO 65MHz	0.5	0.2	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 $-12+20\lg(f/80\text{MHz})$ dB

CM TO CM REJ

100kHz = 100MHz -30 dB MIN

CM TB DM DE J

100ML 100ML 25 LB MIN

100KHZ - 100MHZ -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

V_F (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

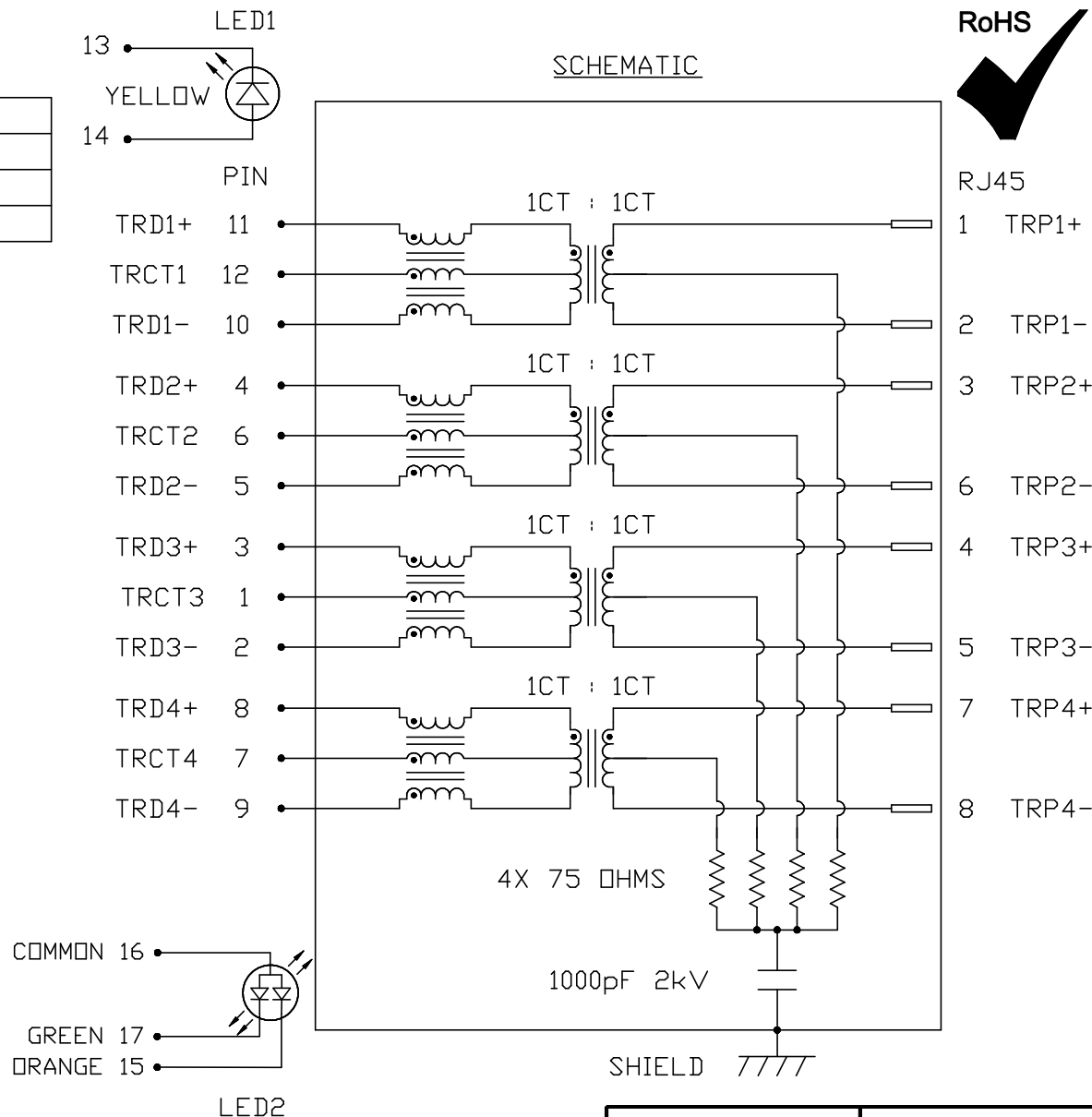
LED 2

V_F (FORWARD VOLTAGE) I_F=20mA GREEN 2.2V TYP.

ORANGE 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.
FRANGE 625nm TYP.

ORANGE 605nm TYP.

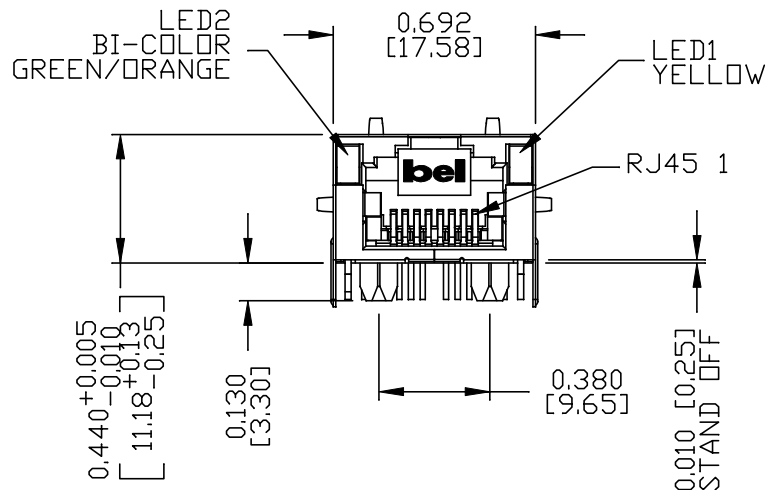


ORIGINATED BY CHOW WANCHUNG DATE 2015-01-28	TITLE gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO. L829-1J1T-43	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
DRAWN BY HU XIANG DATE 2015-01-28		FILE NAME L829-1J1T-43_K.DWG	.X	UNIT : INCH [mm]	
			.XX	SCALE : N/A	
			.XXX	 SIZE : A4	

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MECHANICAL SPECIFICATION

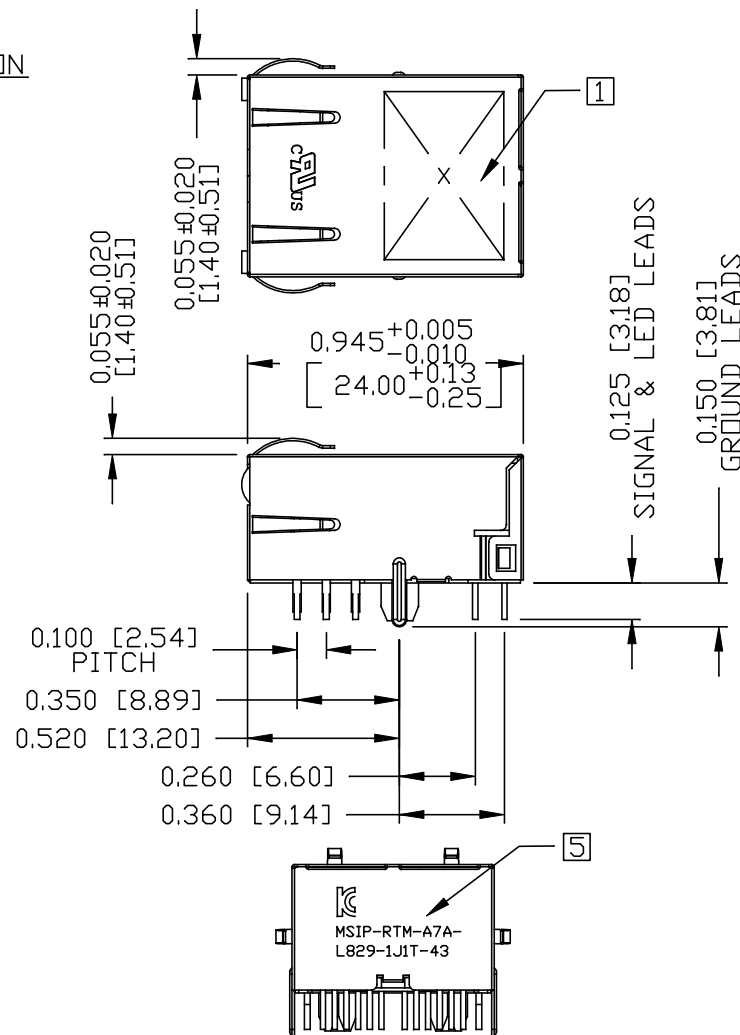
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NOTES:

- 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 MFG. LOGO, MFG. NAME, PART NUMBER, DATE CODE AND PATENTED.
2. THE PRODUCT IS RoHS COMPLIANT.
3. UL RECOGNIZED - FILE #E196366 AND E169987.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS. PART 68 SUBPART F.
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE



BACK VIEW

U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117 AND U.S. PAT. 6,840,817.

- [5] MARK PART WITH KCC LOGO AND ID ON THE BACK SURFACE.

ORIGINATED BY
LI QUANKUN
DATE 2015-01-28

DRAWN BY
ZHANG XUEZHENG
DATE 2015-01-28

TITLE
gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
L829-1J1T-43

FILE NAME
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.XXX	±0.010	SIZE : A4

REV. : K PAGE : 3



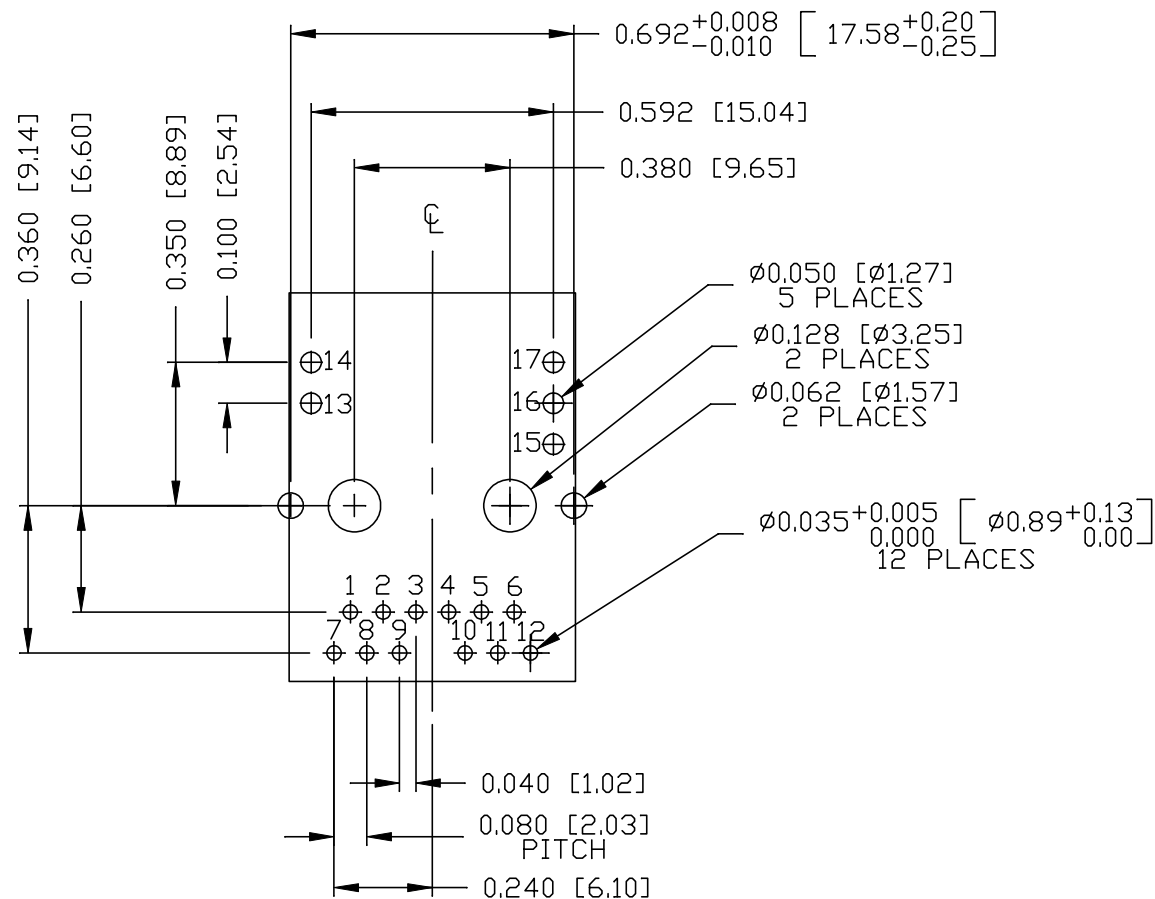
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



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DRAWN BY ZHANG XUEZHENG DATE 2015-01-28		FILE NAME L829-1J1T-43_K.DWG	.X		UNIT : INCH [mm]		
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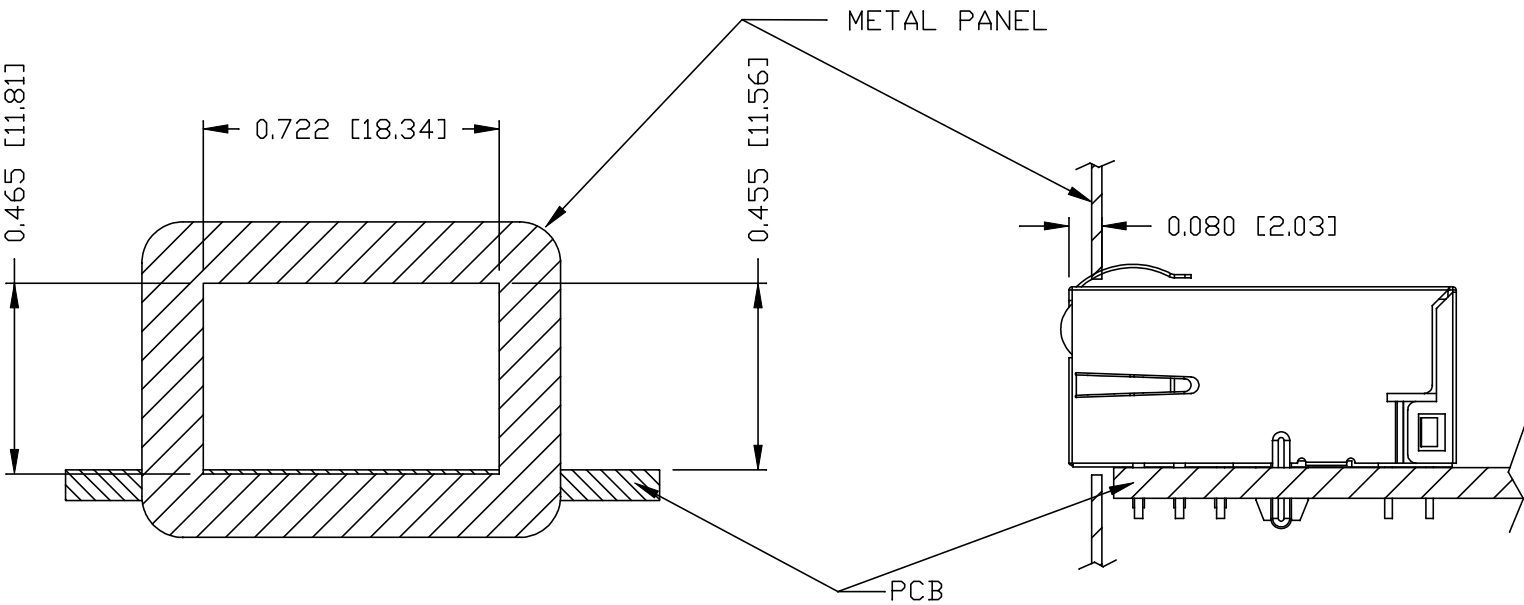
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SUGGESTED PANEL OPENING



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)

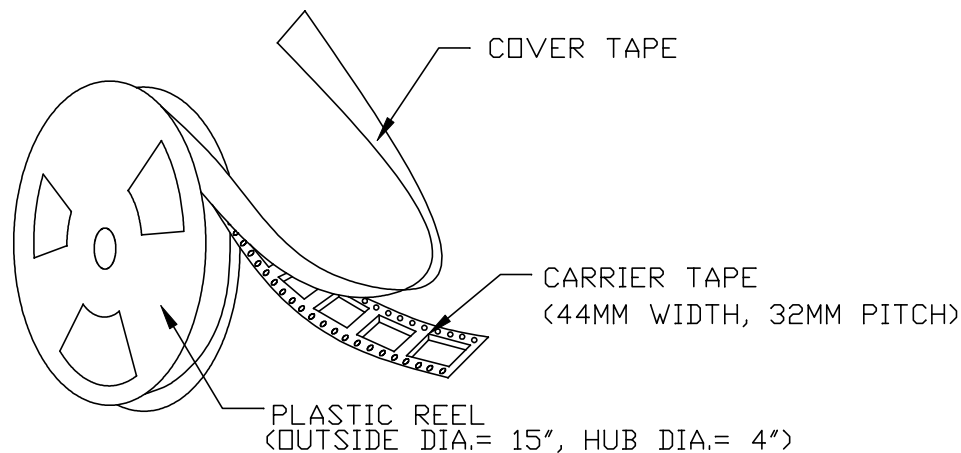
PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

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

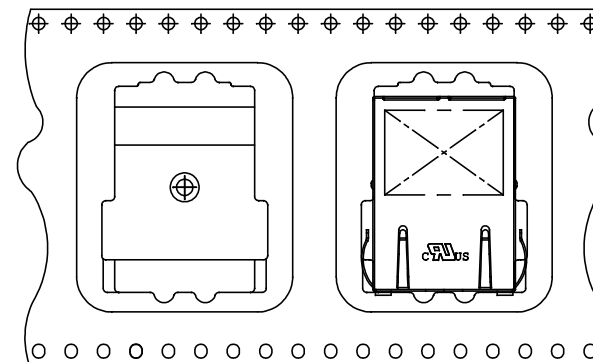
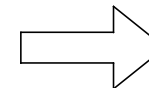
REV. : K						PAGE : 5	
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		FILE NAME L829-1J1T-43_K.DWG	.X		UNIT : INCH [mm]		
			.XX		SCALE : N/A		
			.XXX	±0.004		SIZE : A4	
DRAWN BY ZHANG XUEZHENG DATE 2015-01-28						 bel MAGNETIC SOLUTIONS a bel group	



TAPE AND REEL PACKING INFORMATION



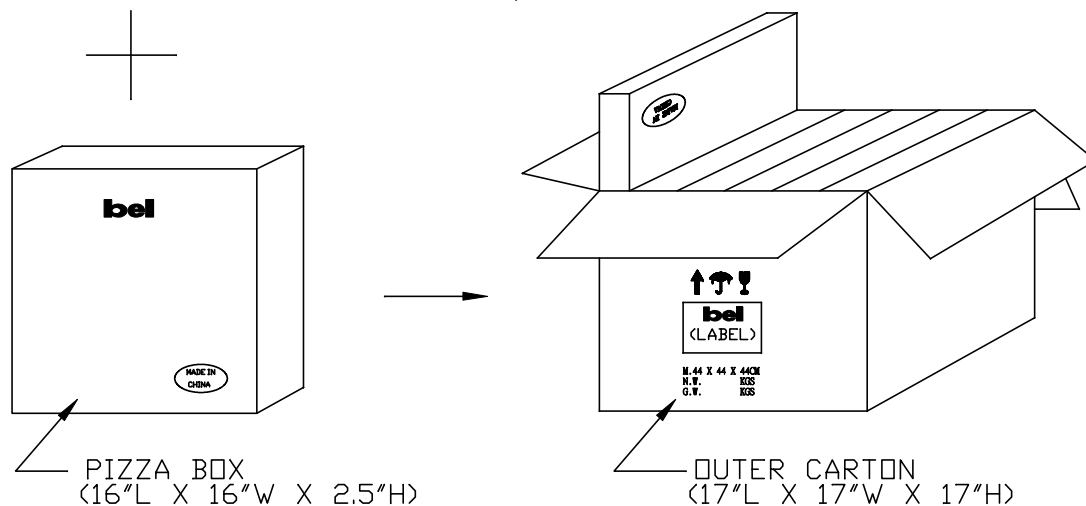
USER FEED DIRECTION



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. : K PAGE : 6

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			.XX		SCALE : N/A	
				.XXX	±0.004	 SIZE : A4



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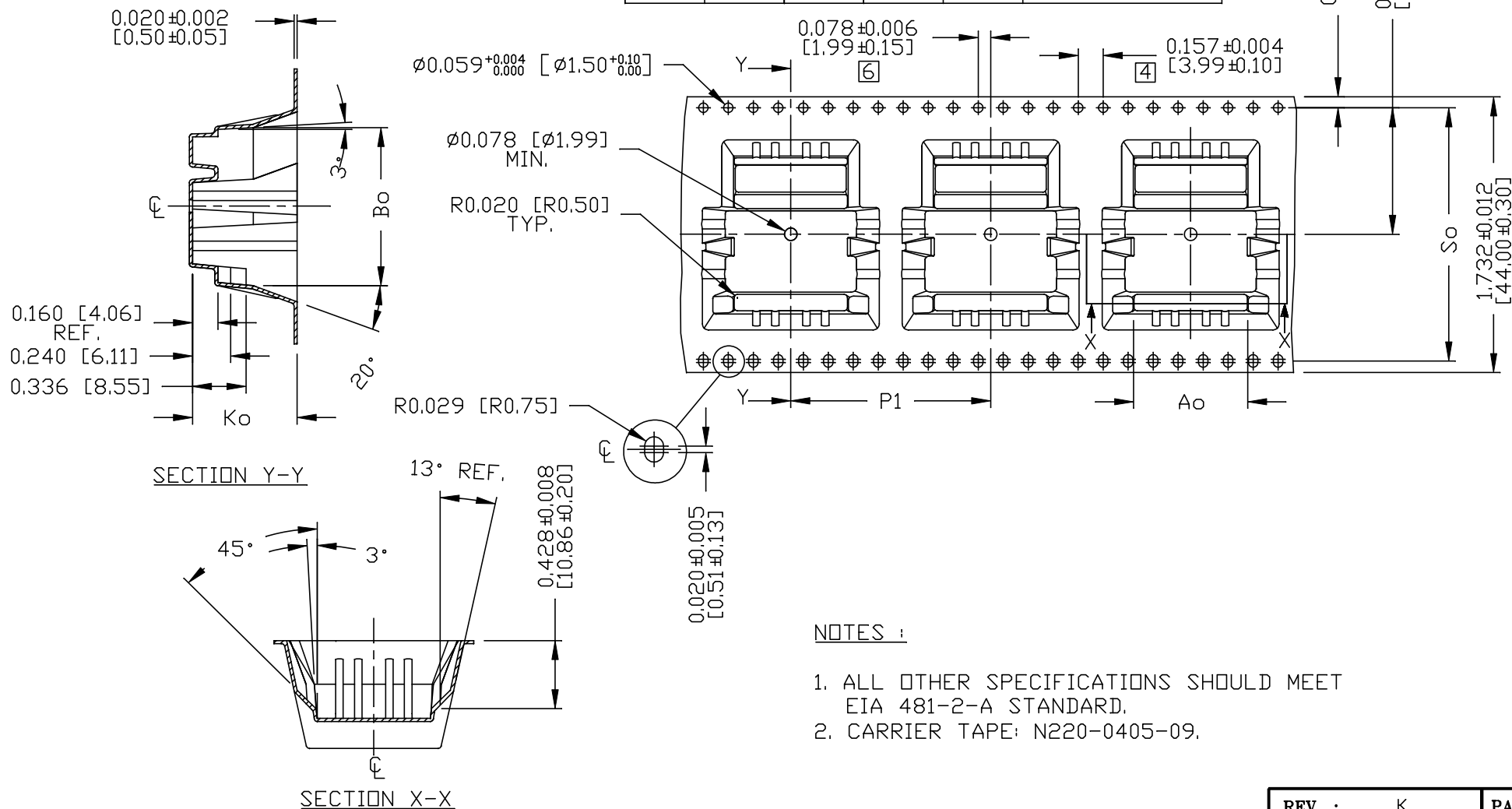


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DIMENSION CHART					
Ao	Bo	Ko	P1	So	LENGTH/22" REEL
0.713 [18.10]	0.965 [24.51]	0.657 [16.69]	1.260 [32.00]	1.591 [40.40]	11 METERS



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