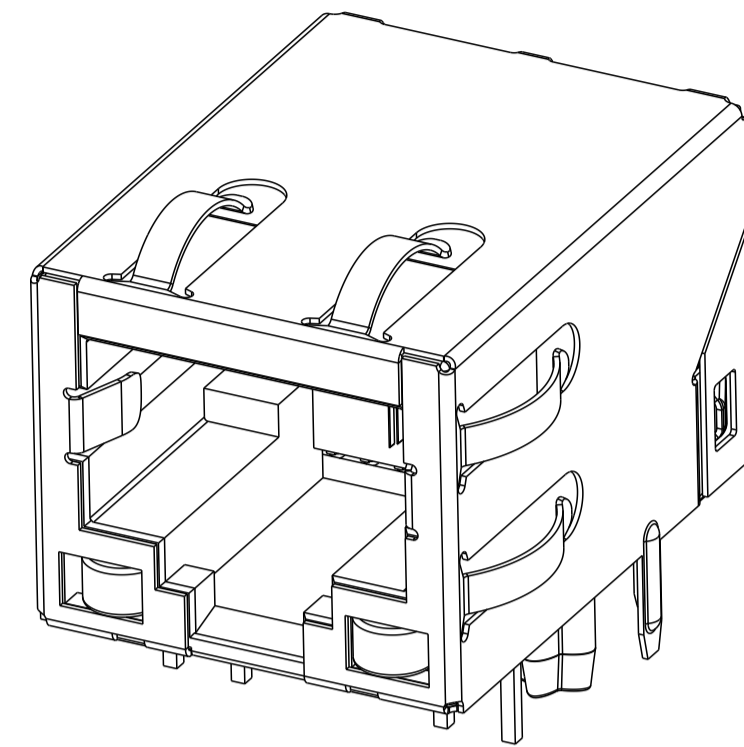
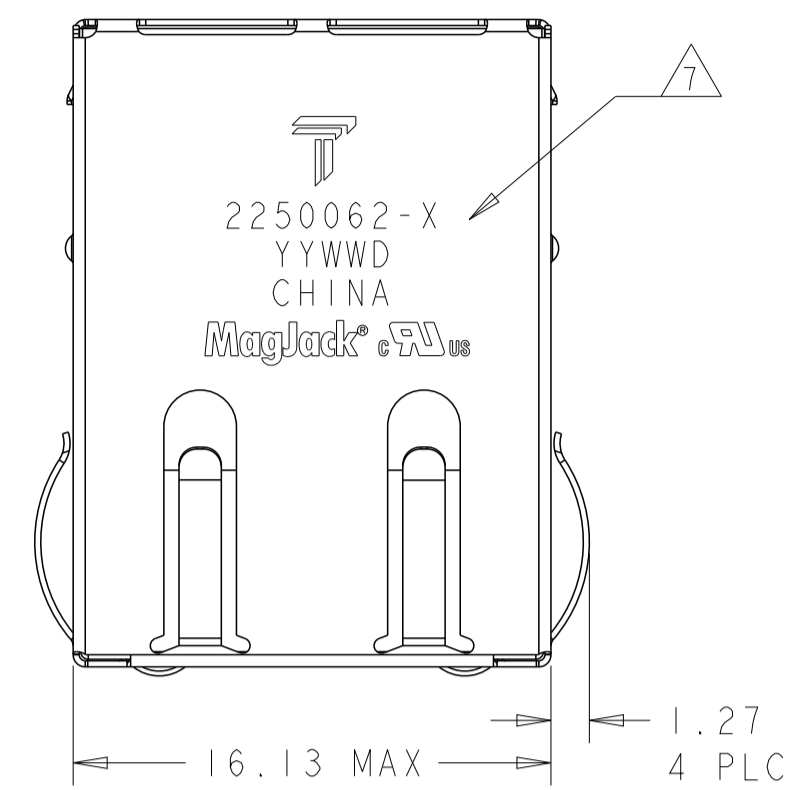


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
 5736910 5939955 6425781 6428361 6554638 6840817 7123117  
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LT#	DESCRIPTION	DATE	OWN APVD
2		SEE LAST SHEET	14JAN2015	RL TY



1. MATERIALS
- HOUSING: THERMOPLASTIC, FLAMMABILITY RATING UL 94V-0.
  - SHIELD: BRASS 0.20mm THICK, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 2.54um MIN SAC SOLDER.
  - CONTACTS: PHOSPHOR BRONZE 0.46mm X 0.30mm, PHOSPHOR BRONZE, 1.27um MIN NICKEL UNDERPLATE, WITH 1.27um MIN GOLD PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
  - SOLDER TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE, 3um TIN PLATE
  - LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN. SILVER PLATE OVER 1.02um MIN. NICKEL OVER 1.02um MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05um MIN. MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.

3. MAGNETICS
- APPLICATION: 10 BASE-T
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP:CABLE): TX = 1:2.5, RX = 1:1
  - TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 140uH MIN @100kHz, 0.1VRMS.
  - LEAKAGE INDUCTANCE (LL): 0.30uH MAX @ 100kHz, 0.1VRMS
  - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

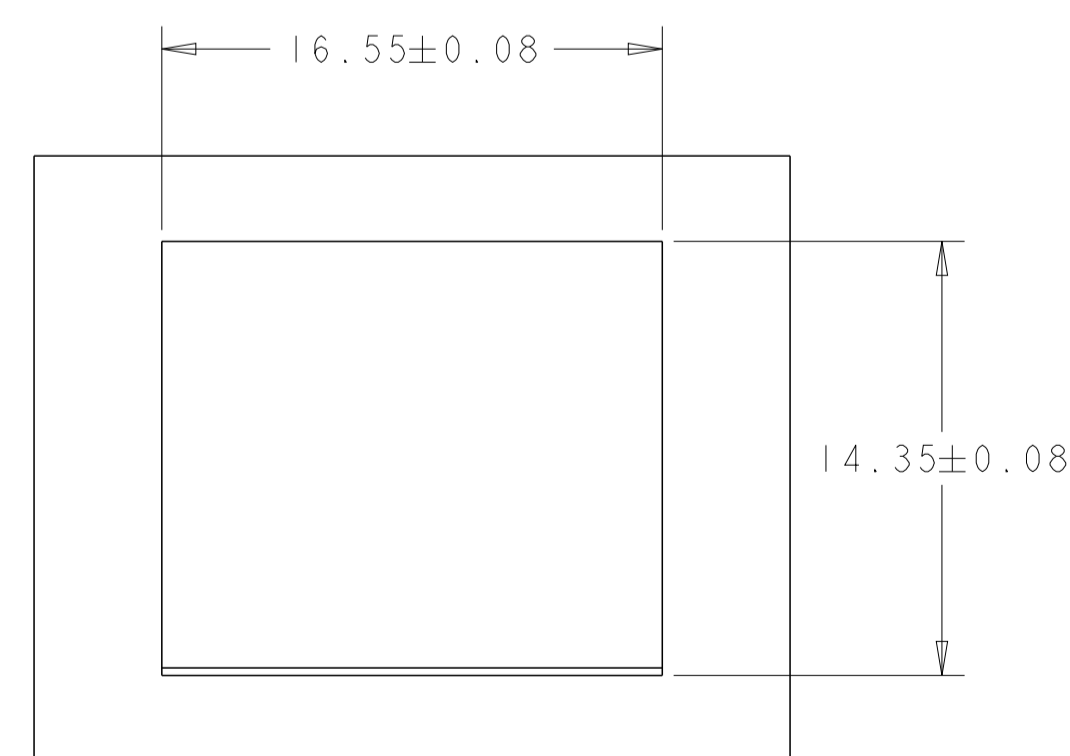
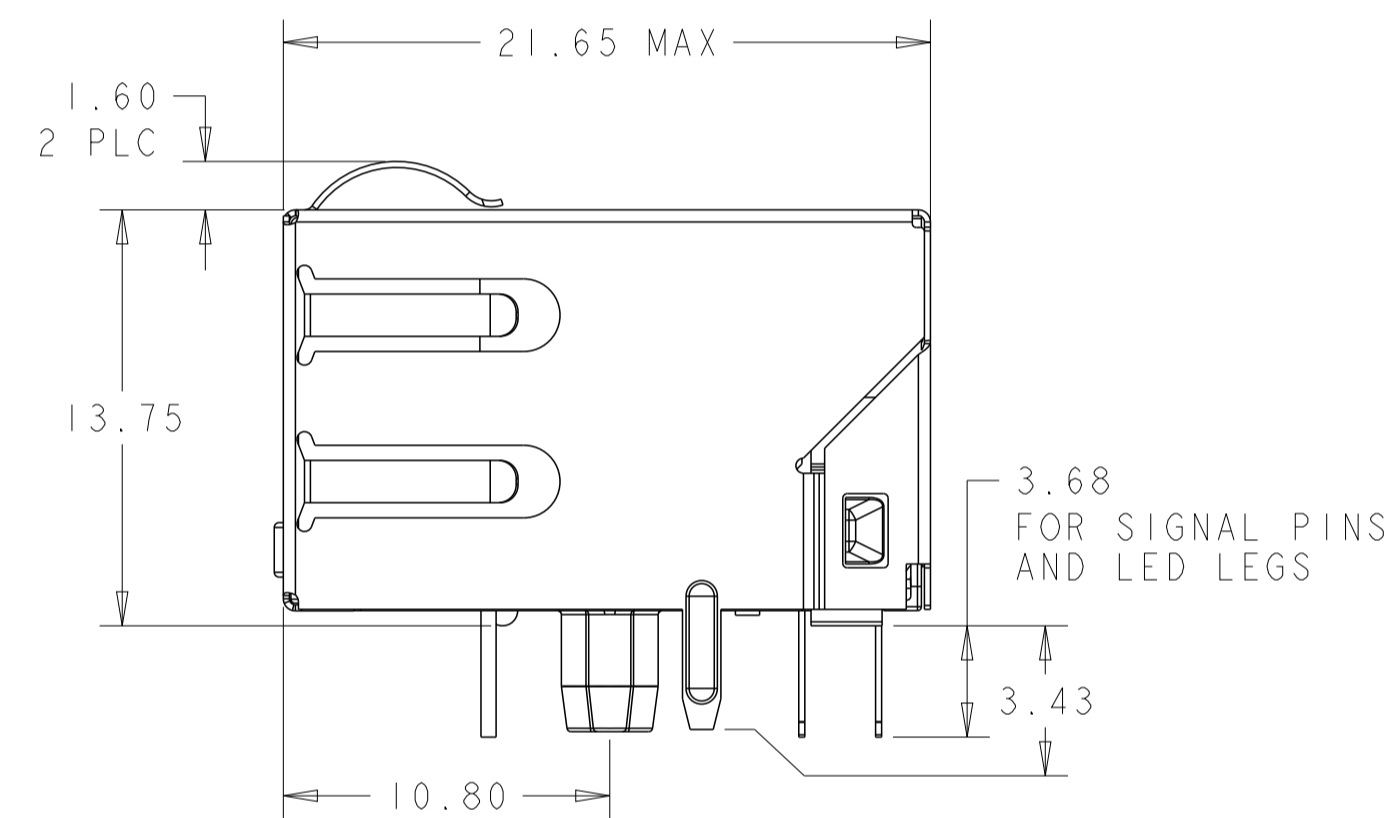
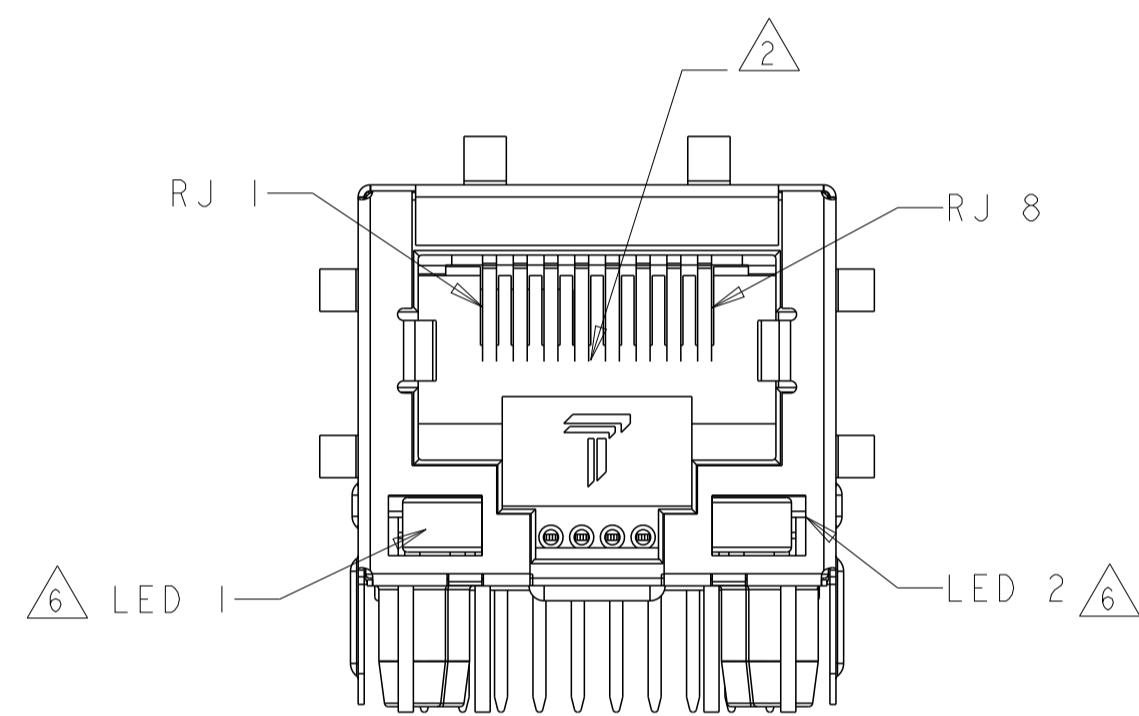
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

5. INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

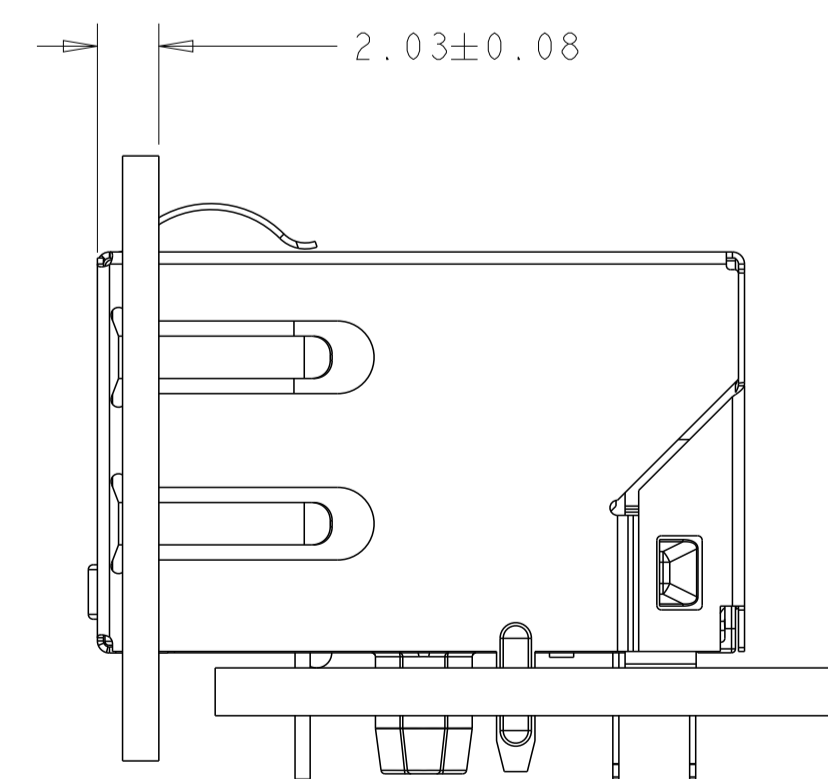
6. THE LEDS WITH 250 OHM RESISTORS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
- LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V  
 FORWARD CURRENT (IF): GREEN 12mA TYP @ VF = 5V  
 DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V  
 FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF = 5V

7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

8. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

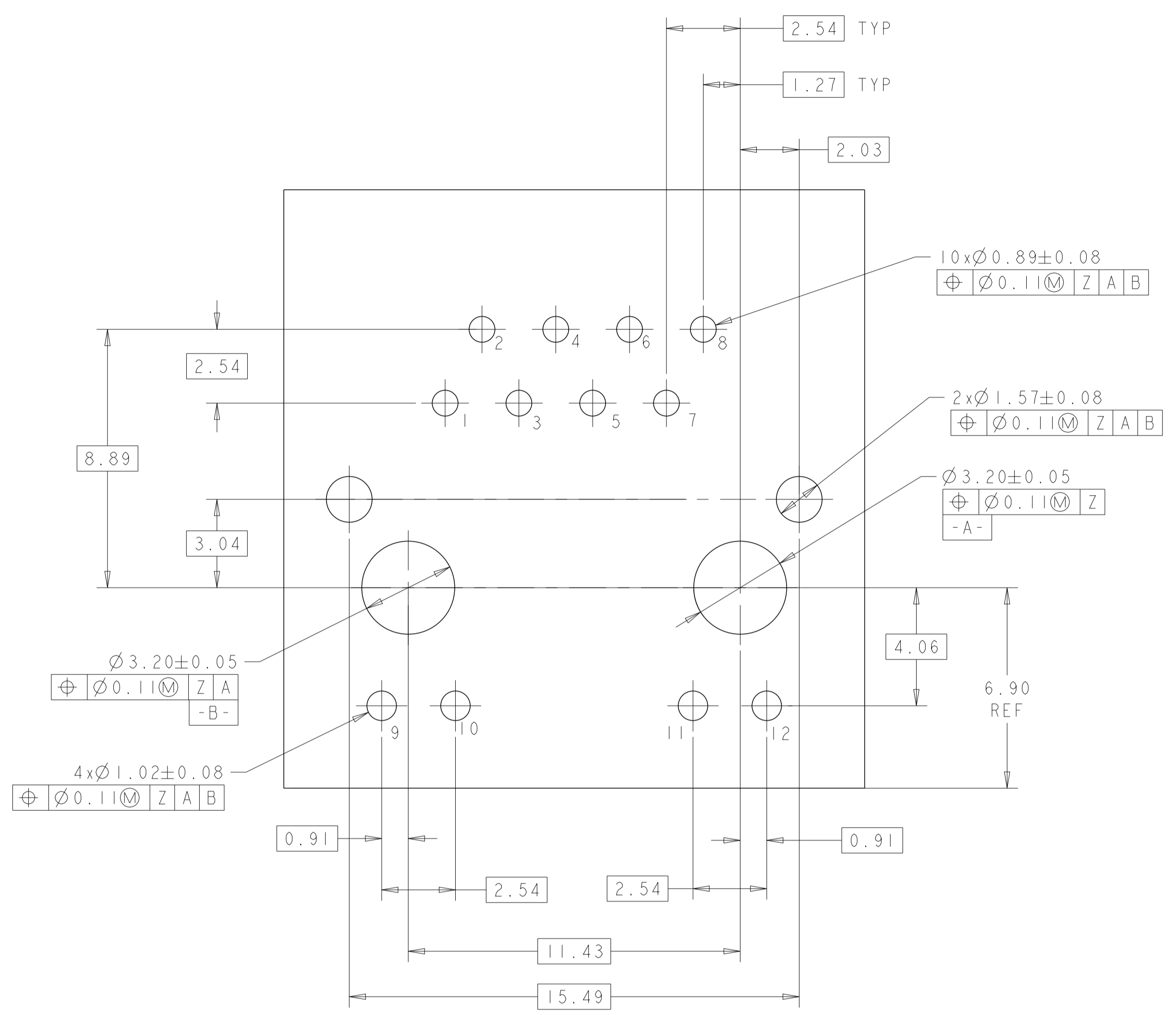


SUGGESTED PANEL OPENING

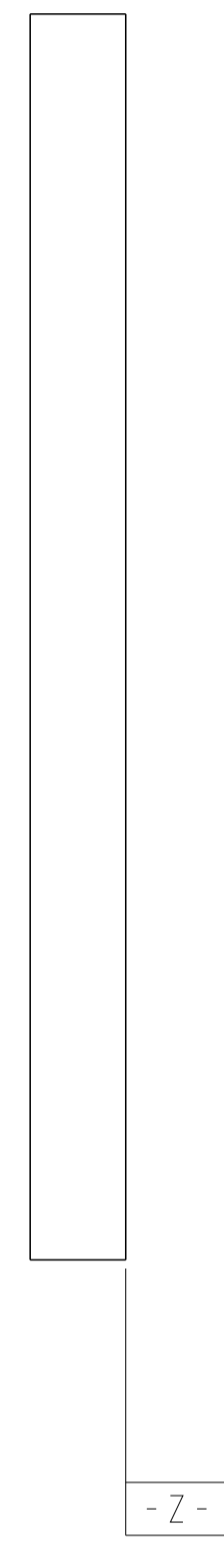


GREEN	YELLOW	2250062-1
LED 1	LED 2	PART NUMBER

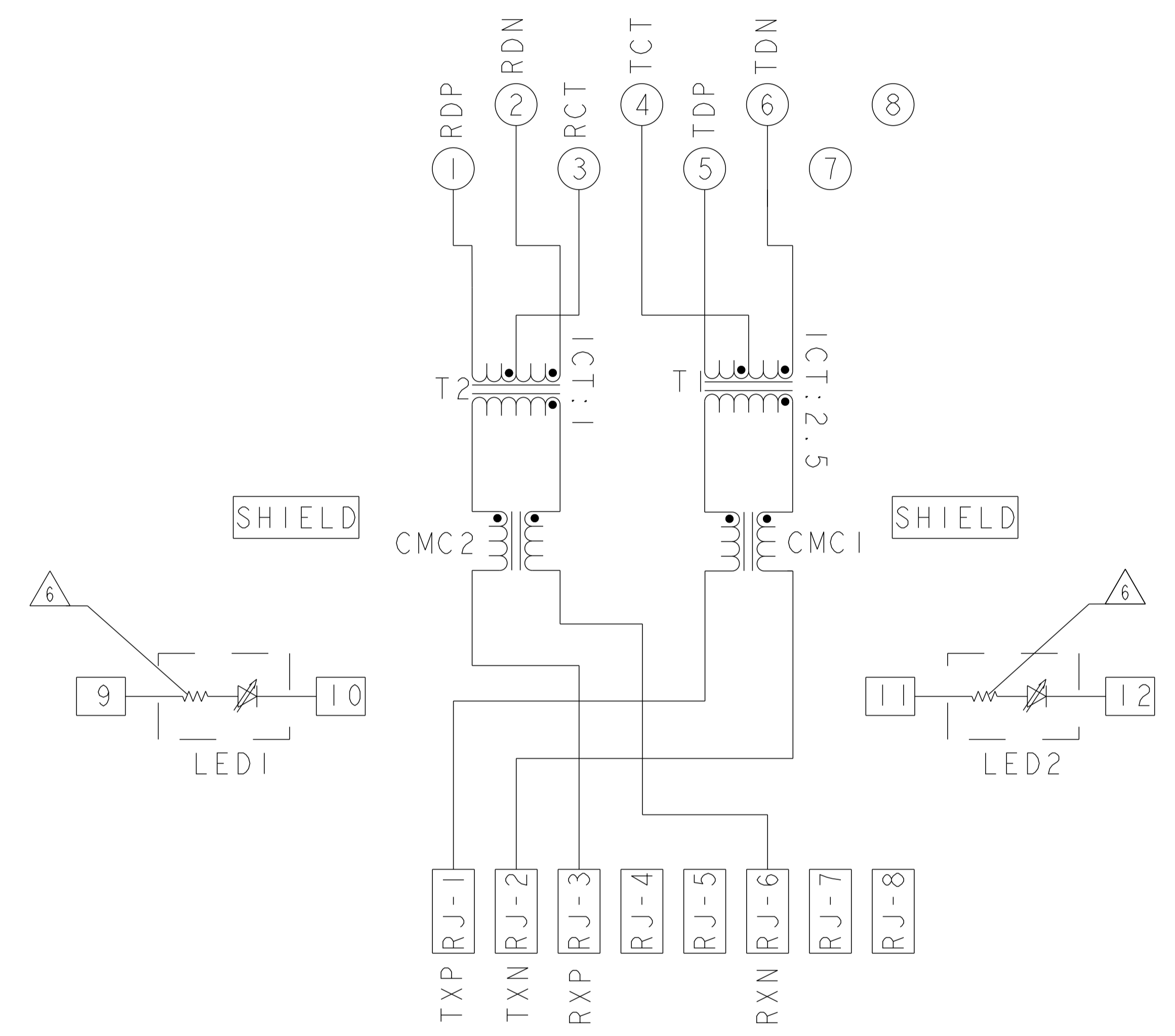
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN DALE PAN 27NOV2013	 TRP CONNECTOR a bel group DONGGUAN CHINA
DIMENSIONS: mm		CHK TOWER YU/FRANK LIU 27NOV2013	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 27NOV2013	
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° APPLICATION SPEC ±°		MODEL NAME MAGJACK	
PRODUCT SPEC 108-104004		DESC SINGLE Non-PoE	SIZE CAGE CODE DRAWING NO RESTRICTED TO
		A1	©=2250062
		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 3 REV 2



SUGGESTED PCB LAYOUT  
 COMPONENT SIDE




424 SERIES MAGNETIC CIRCUIT  $\triangle 3 \triangle 5$



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: DALE PAN 27NOV2013	 DONGGUAN CHINA
DIMENSIONS: mm		CHK: TOWER YU/FRANK LIU 27NOV2013	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D: TONY YUAN 27NOV2013	
0 PLC $\pm 0.25$	1 PLC $\pm 0.25$	2 PLC $\pm 0.25$	MODEL NAME: MAGJACK
3 PLC $\pm 0.25$	4 PLC $\pm 0.25$	ANGLES $\pm$	DESC: 1X1 424 10/100 TAB DOWN W/ LED
PRODUCT SPEC: 108-104004	APPLICATION SPEC: -	SCALE: 4:1	RESTRICTED TO: -
CUSTOMER DRAWING		SIZE: A1	CAGE CODE: C=2250062
		SCALE: 4:1	SHEET 2 OF 3
			REV 2

C_2250062						STOCK DISPOSITION			
						A: CONTINUE AS IS		D: USE OLD FIRST	
						B: REWORK		E: PARTS TO CONFORM	
						C: SCRAP		F: OTHER	
REVISION HISTORY									
DATE	REV	CHANGES	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)	
27NOV2013	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-	
14JAN2015	2	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUIREMENT	TONY YUAN	-	-	-	-	

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN	DALE PAN	27NOV2013	 <b>trp</b> CONNECTOR <small>a bel group</small>	DONGGUAN CHINA			
DIMENSIONS:		CHK	TOWER YU/FRANK LIU	27NOV2013		DESC			
mm		APP'D	TONY YUAN	27NOV2013		IXI 424 10/100 TAB DOWN W/ LED			
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±		MODEL NAME		MAGJACK		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
PRODUCT SPEC		SINGLE Non-PoE		A1		C=2250062		-	
108-104004		CUSTOMER DRAWING		SCALE		4:1		SHEET 3 OF 3 REV 2	