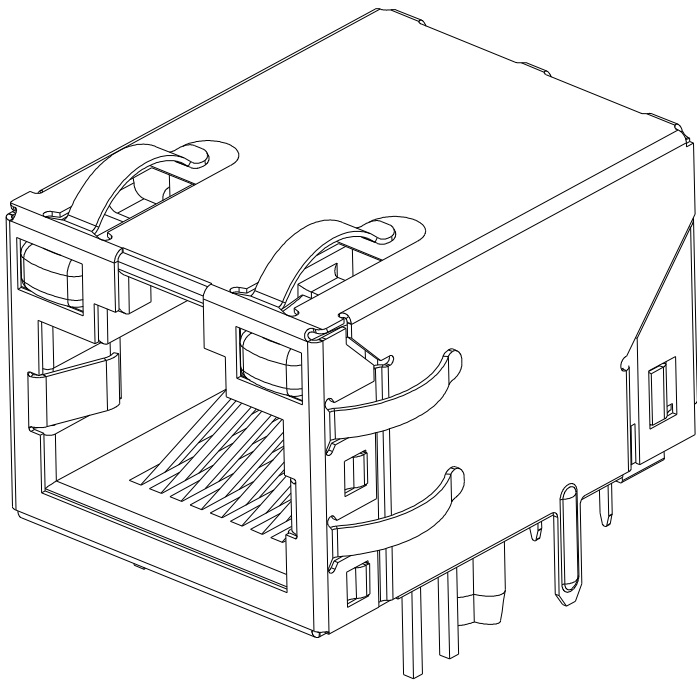
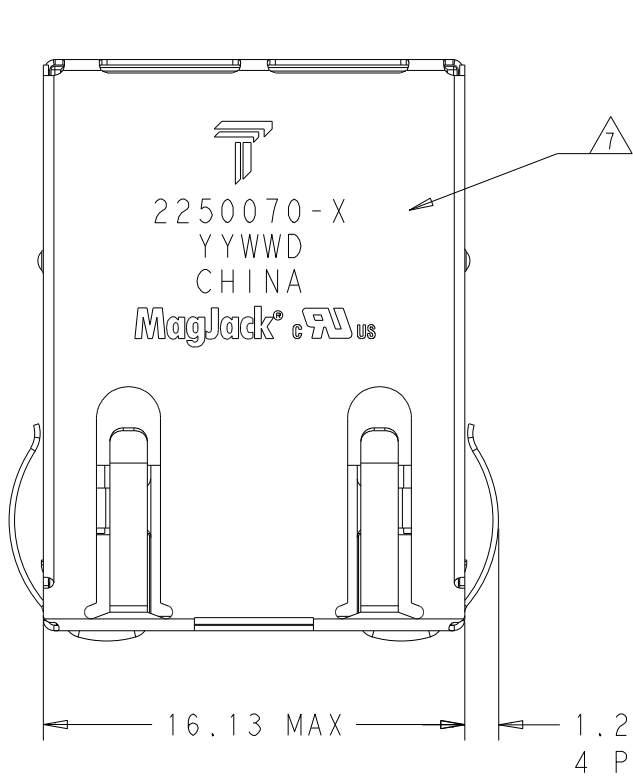


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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	LTR	DESCRIPTION	DATE	OWN APVD
4		SEE FINAL SHEET	16JUN2015	DP 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, OR 1.27um MIN NICKEL UNDERPLATE, WITH 0.05um GOLD PLATING OVER 0.76um MIN PALLADIUM NICKEL PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
 - SOLDER TAILS: 0.25mmTHICK, 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 TIP TIN SOLDER DIPPING

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
 - INTERWINDING CAPACITANCE(CWW): 15pF MAX @ 100kHz, 0.1VRMS
 - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC

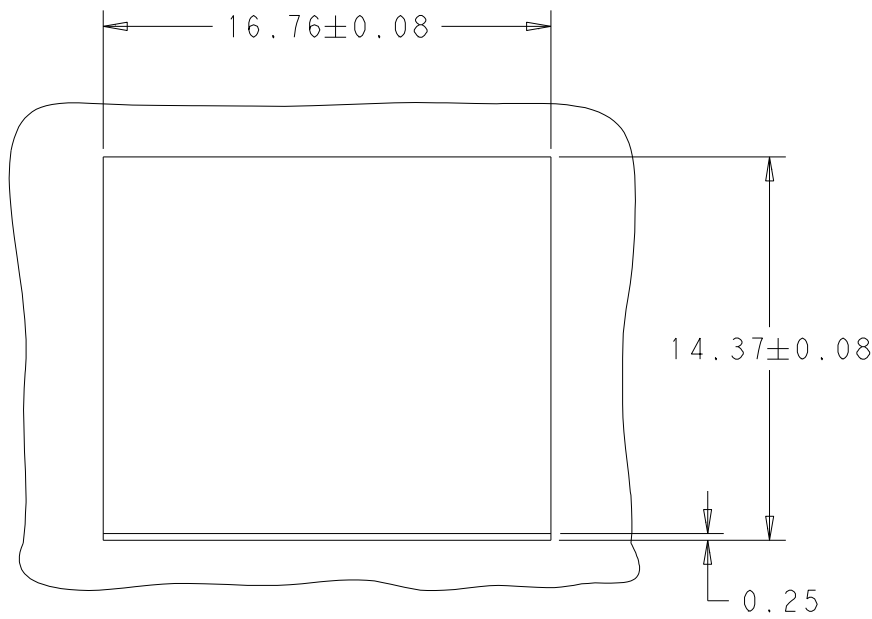
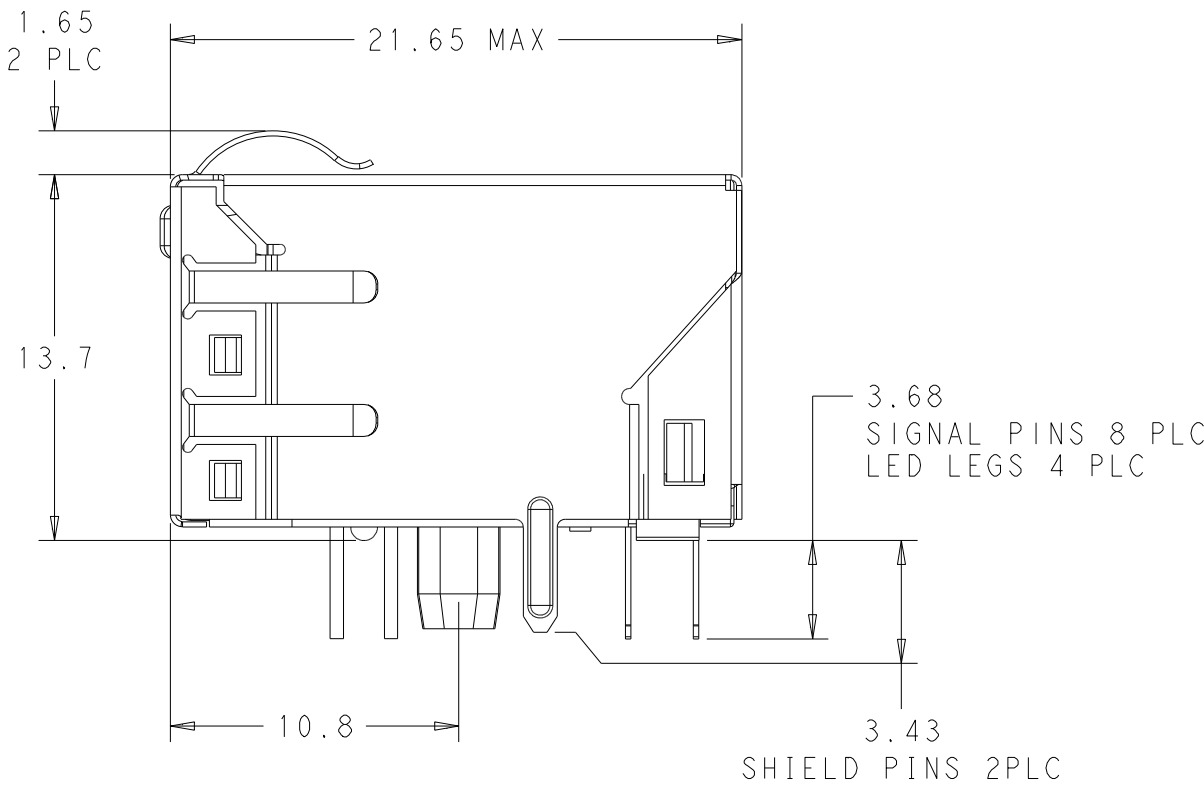
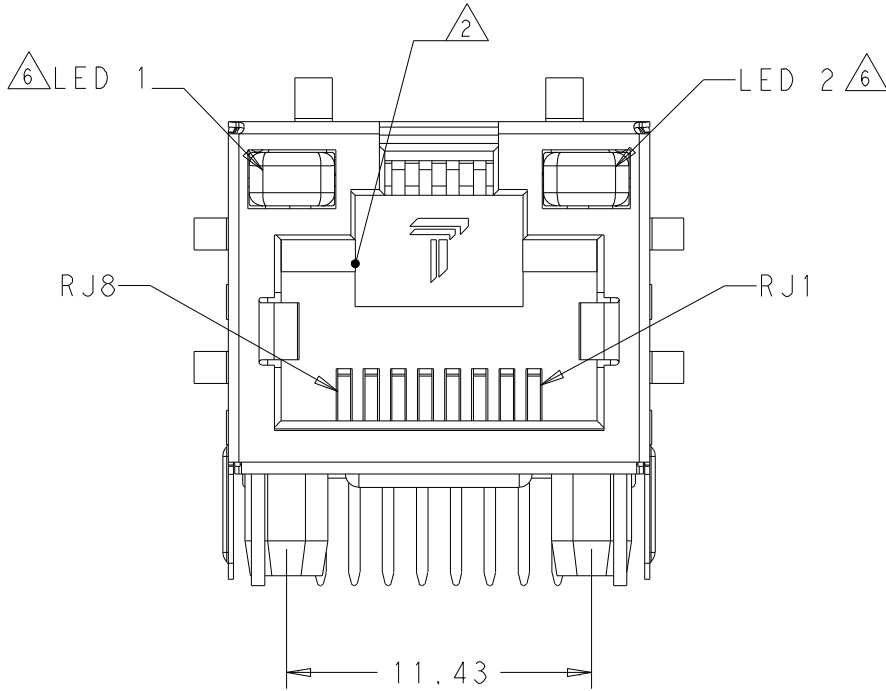
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

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

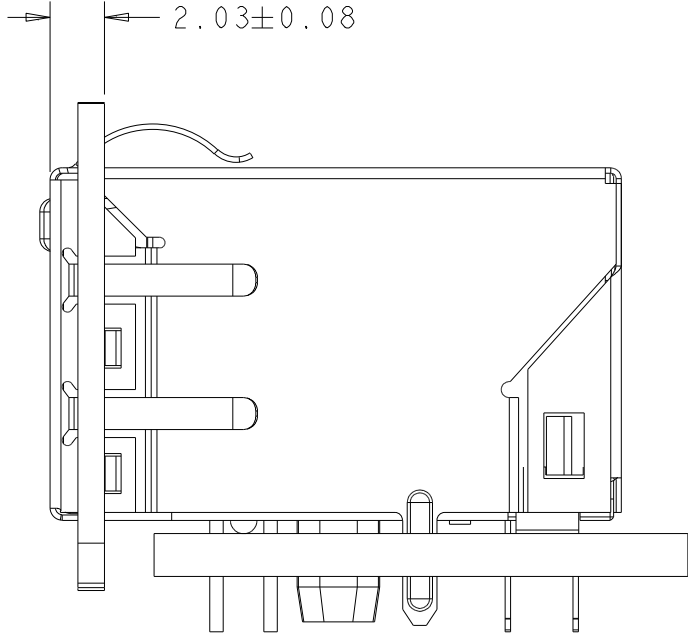
6. THE LEDS WITH BUILT-IN 250 OHM RESISTORS, AND ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
- LED COLOR: DOMINATE WAVELENGTH (λ_D): GREEN 568 nm TYP. @ VF=5V
FORWARD CURRENT (IF): GREEN 12mA TYP @ VF = 5V
DOMINATE WAVELENGTH (λ_D): YELLOW 588 nm TYP. @ VF=5V
FORWARD CURRENT (IF):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

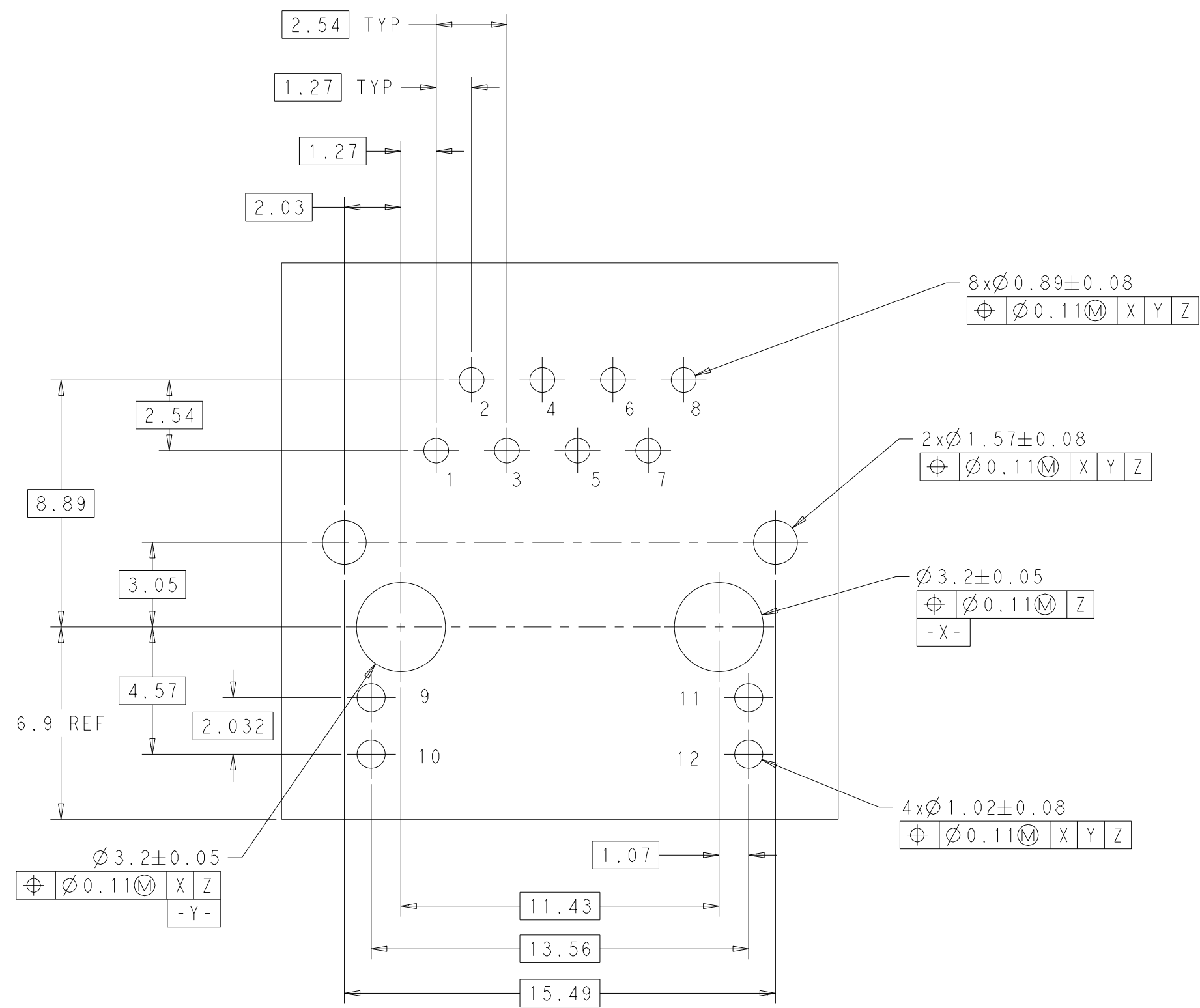


SUGGESTED PANEL CUTOUT



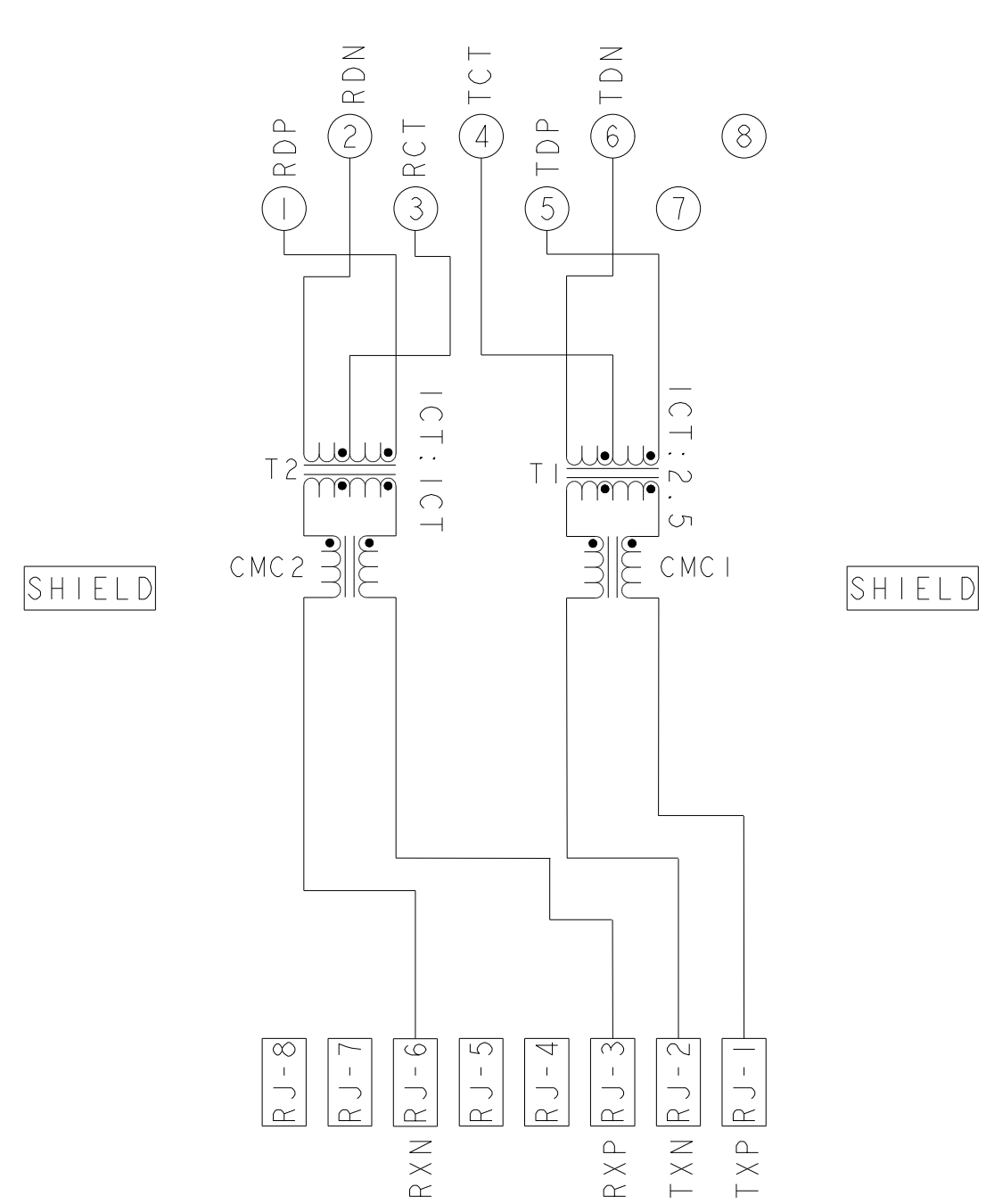
GREEN	GREEN	2250070-2
GREEN	YELLOW	2250070-1
9 $\rightarrow$ 10	11 $\rightarrow$ 12	PART NUMBER
LED 1 6	LED 2 6	

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN ROY LIU 30DEC2013	 trp CONNECTOR DONGGUAN CHINA	
DIMENSIONS: mm		CHK TOWER YU / FRANK LIU 30DEC2013		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 30DEC2013	DESC 1X1 724 10/100 TAB UP W LED	
PRODUCT SPEC		MODEL NAME MAGJACK	SIZE A 1	RESTRICTED TO -
APPLICATION SPEC		SINGLE NON-POE	C=2250070	REV 4
CUSTOMER DRAWING		SCALE 5:1	SHEET 1 OF 3	REV 4



SUGGESTED PCB LAYOUT

724 10/100 CIRCUIT ⚠⚠



C-2250070					STOCK DISPOSITION			
REVISION HISTORY					A: CONTINUE AS IS B: REWORK C: SCRAP		D: USE OLD FIRST E: PARTS TO CONFORM F: OTHER	
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)
30DEC2013	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
28AUG2014	2	SHEET 1, C6: CHANGE 1.27 TO 1.65	PRODUCT IMPROVEMENT	TONY YUAN	-	-	-	-
10FEB2015	3	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUEST	TONY YUAN	-	-	-	-
16JUN2015	4	SHEET 1, NOTE 3, CHANGE 140mH TO 140uH CHANGE 0.30mH TO 0.30uH.	CORRECT TYPE ERROR	TONY YUAN	-	-	-	-