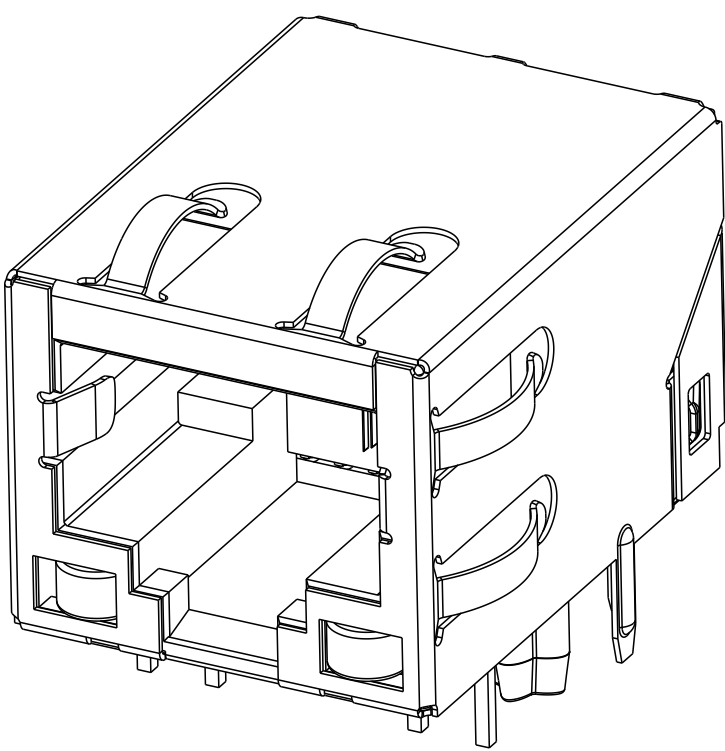
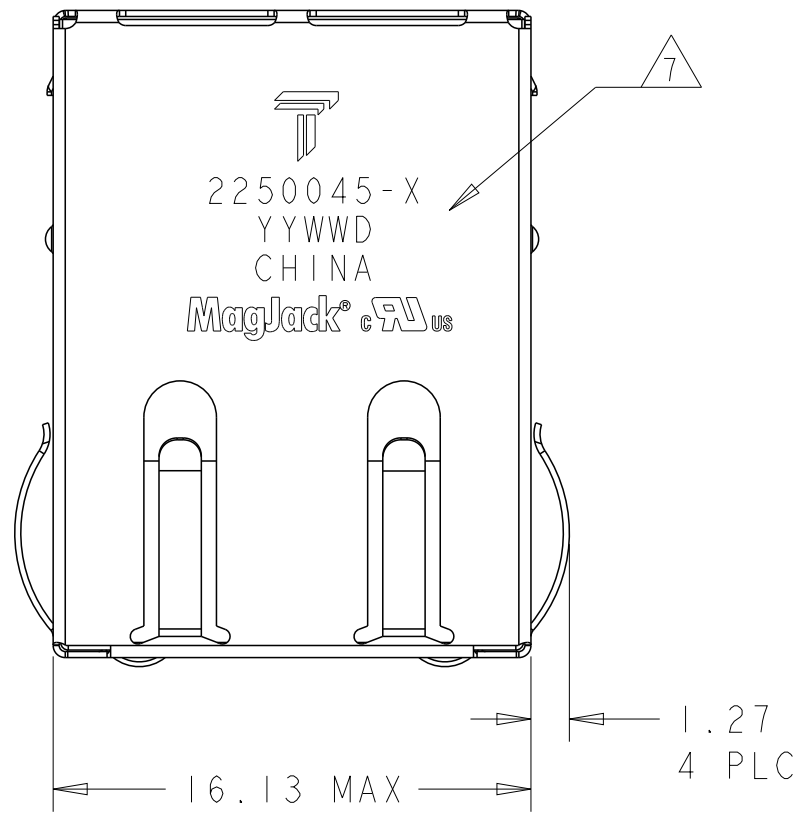


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6
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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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	DWN	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: 0.25mmTHICK, 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/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: 10/100 BASE-T, EXTENDED TEMPERATURE
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°C, TX AND RX
 - PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 - 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
 - 12dB MIN FROM 60.1MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC

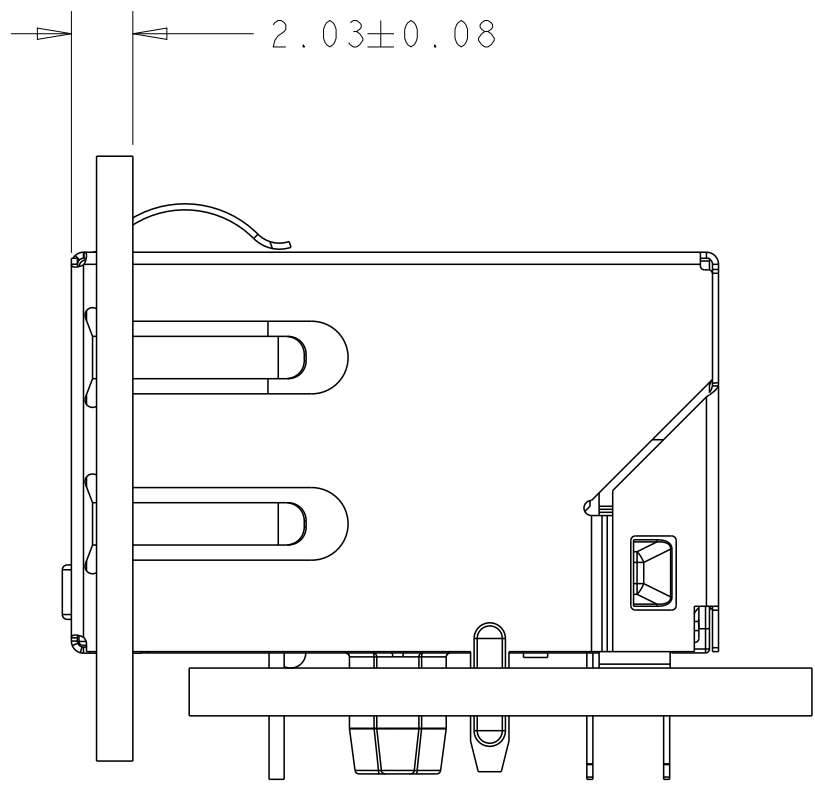
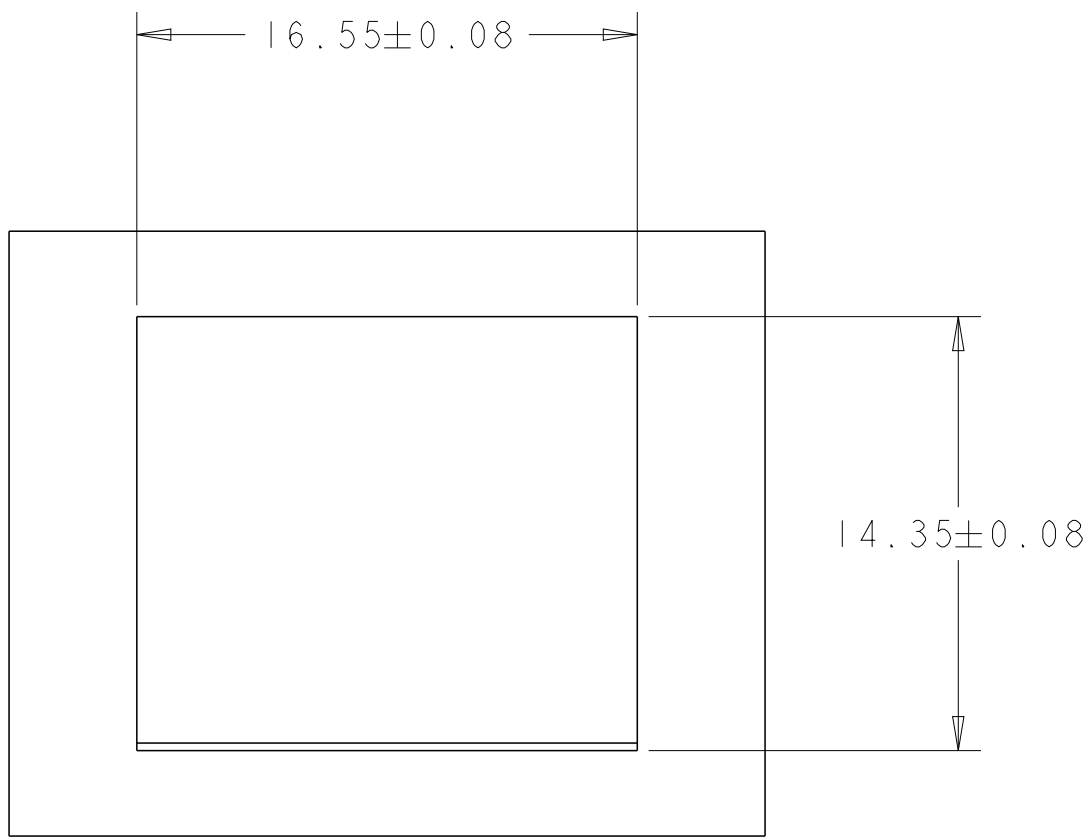
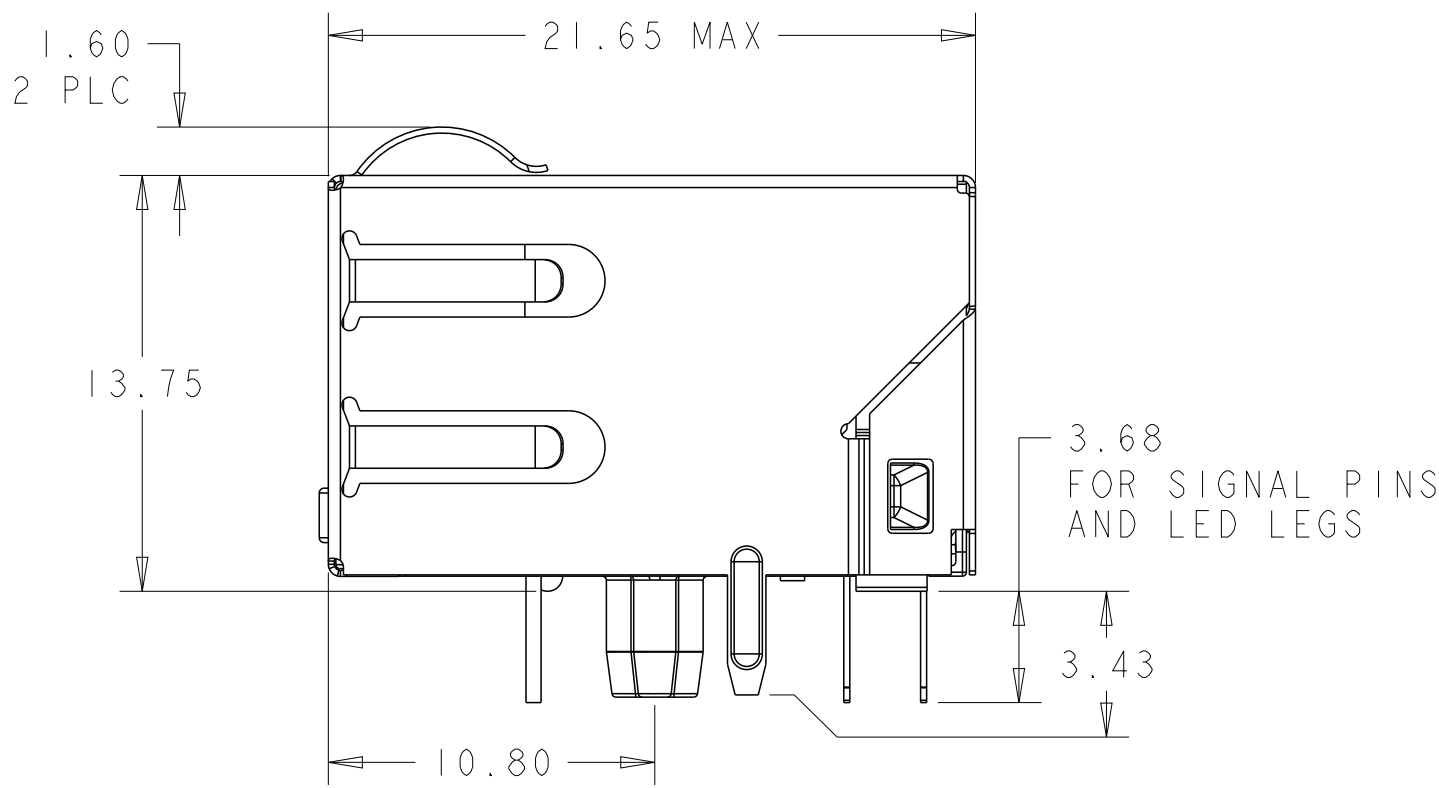
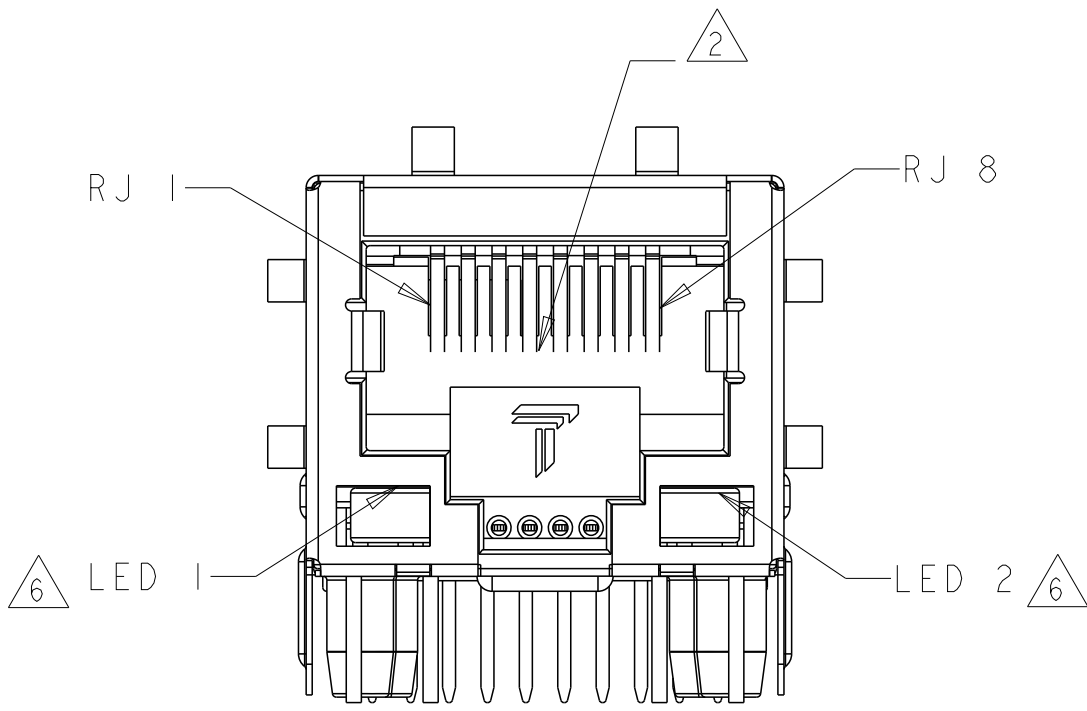
4. OPERATING TEMPERATURE: FROM -40°C TO +85°C.

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

6 LEDS WITH BUIL-IN 250 OHM RESISTORS. LEDS 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.

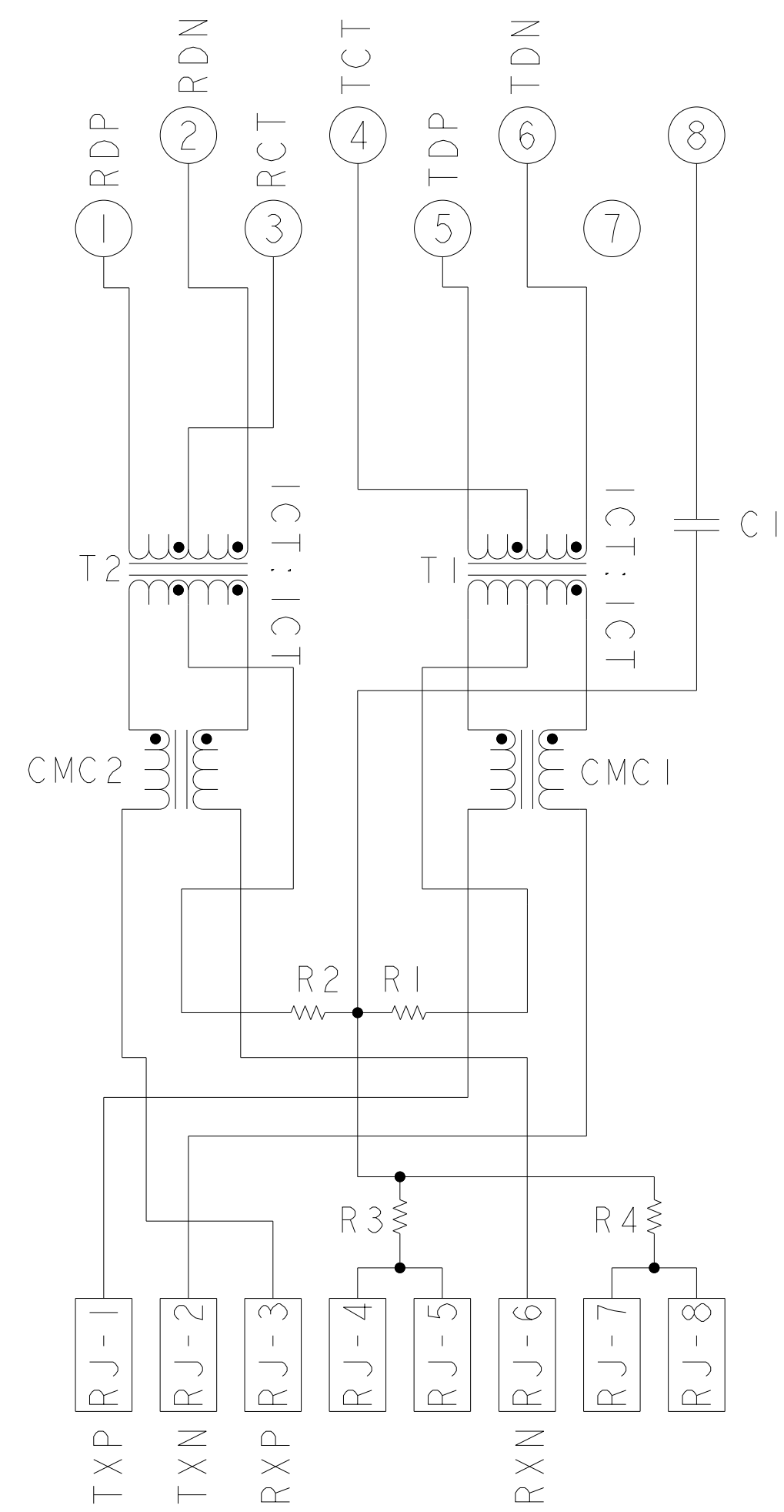
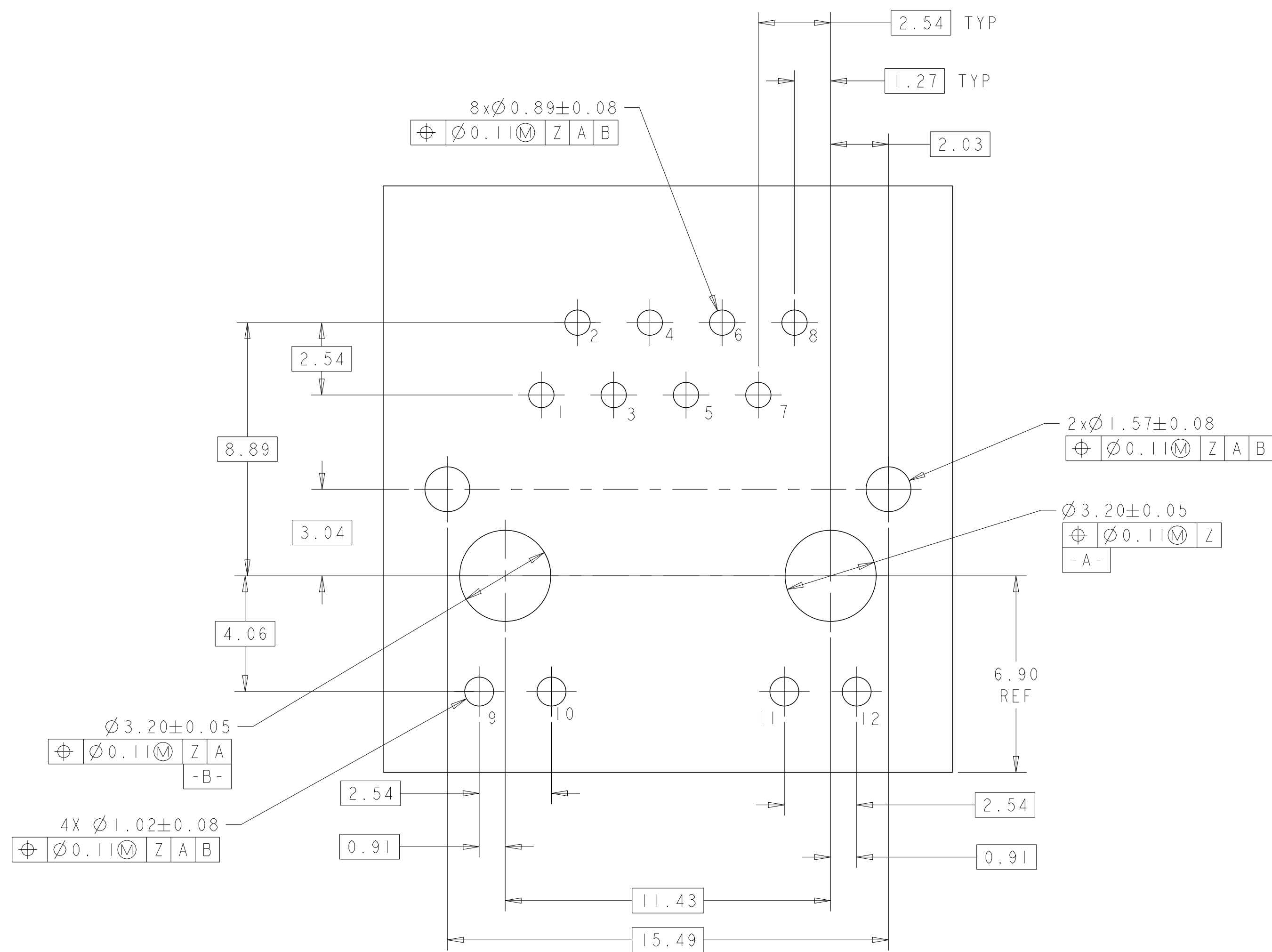
8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX,10 SECONDS MAX.



SUGGESTED PANEL OPENING

GREEN	YELLOW	2250045-1
9	11	PART NUMBER
LED 1	LED 2	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 05JUN2013	trp CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS: mm		CHK TOWER YU/FRANK LIU 05JUN2013		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC		APVD TONY YUAN 05JUN2013	MODEL NAME MAGJACK	
PRODUCT SPEC 108-104004		DESC 1X1 4146ET 10/100 TAB DOWN W/ LED		
		SIZE A1	CAGE CODE C=2250045	RESTRICTED TO -
		CUSTOMER DRAWING		SCALE 4:1
		SHEET 1 OF 3		REV 2



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 05JUN2013 ROY LIU CHY 05JUN2013 TOWER YU/FRANK LIU APVD 05JUN2013 TONY YUAN		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± ±		DESC 1X1 4146T 10/100 TAB DOWN W/ LED			
		MODEL NAME MAGJACK		SIZE A 1		CAGE CODE DRAWING NO C=2250045	
PRODUCT SPEC 108-104004		APPLICATION SPEC SINGLE Non-PoE		RESTRICTED TO -		SCALE 4:1 SHEET 2 OF 3 REV 2	
CUSTOMER DRAWING							

C_2250045					STOCK DISPOSITION			
					A: CONTINUE AS IS		D: USE OLD FIRST	
					B: REWORK		E: PARTS TO CONFORM	
REVISION HISTORY					C: SCRAP		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)
05JUN2013	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
14JAN2015	2	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUIREMENT	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
ROY LIU

05JUN2013

DIMENSIONS:

mm

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

±0.25

±0.25

±0.25

±

±

PRODUCT SPEC

108-104004

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

ANGLES

APPLICATION SPEC

-

CHK
TOWER YU/FRANK LIU

05JUN2013

APVD
TONY YUAN

05JUN2013

MODEL NAME

MAGJACK

DESC

SINGLE Non-PoE

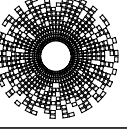
SIZE

CAGE CODE

DRAWING NO

C=2250045

CUSTOMER DRAWING

 **trp** CONNECTOR

a bel group

DONGGUAN
CHINA

SIZE

CAGE CODE

DRAWING NO

C=2250045

RESTRICTED TO

-

SCALE

4:1

SHEET

3

OF

3

REV

2