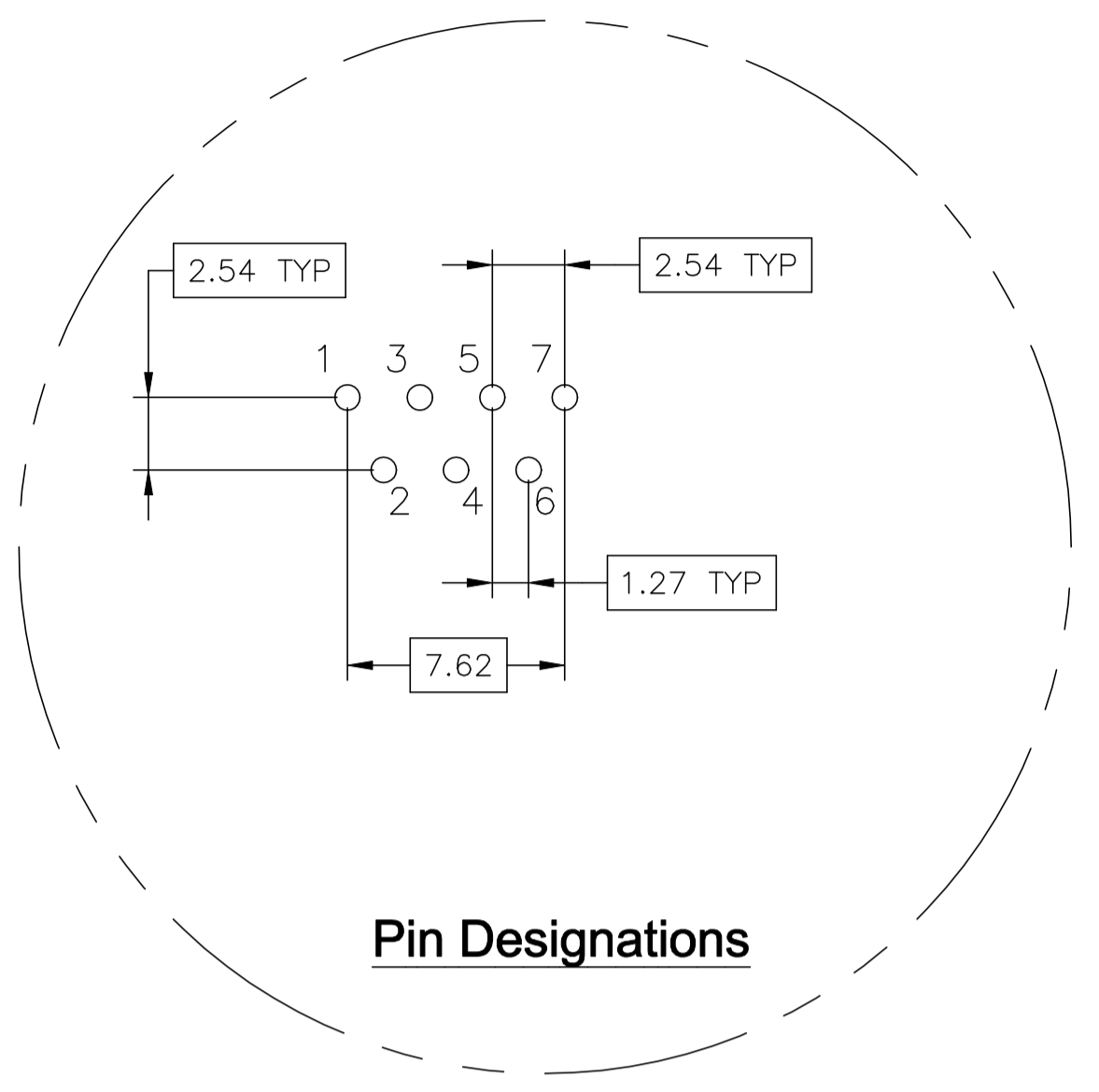
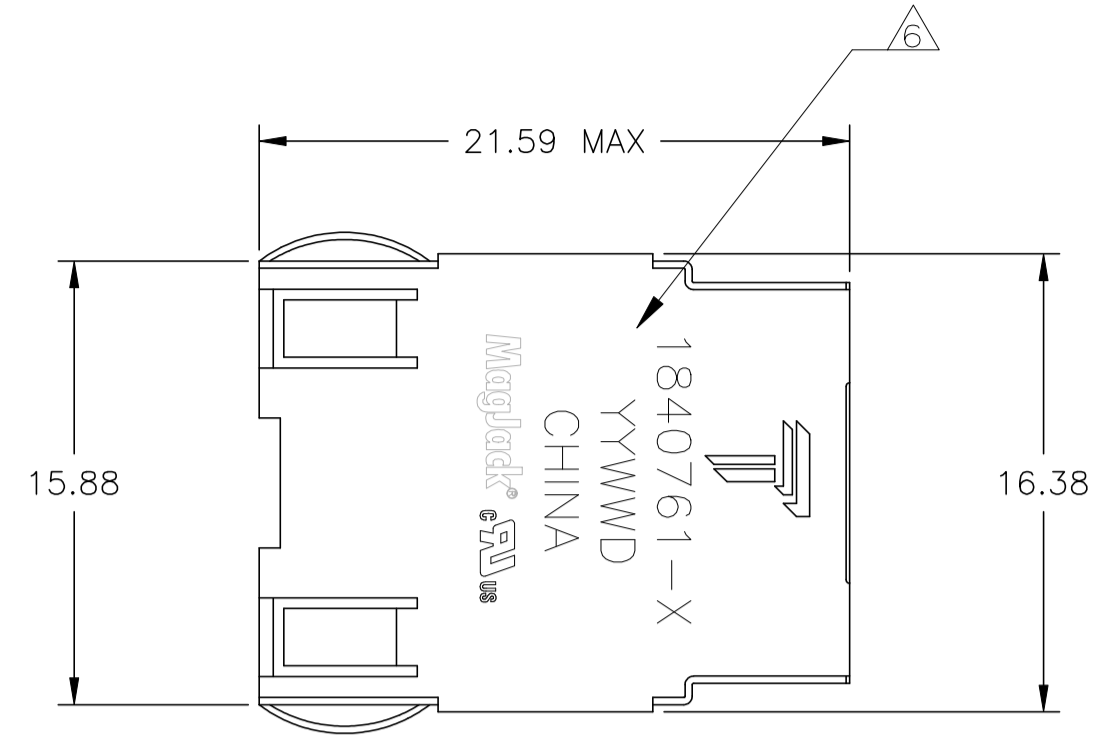


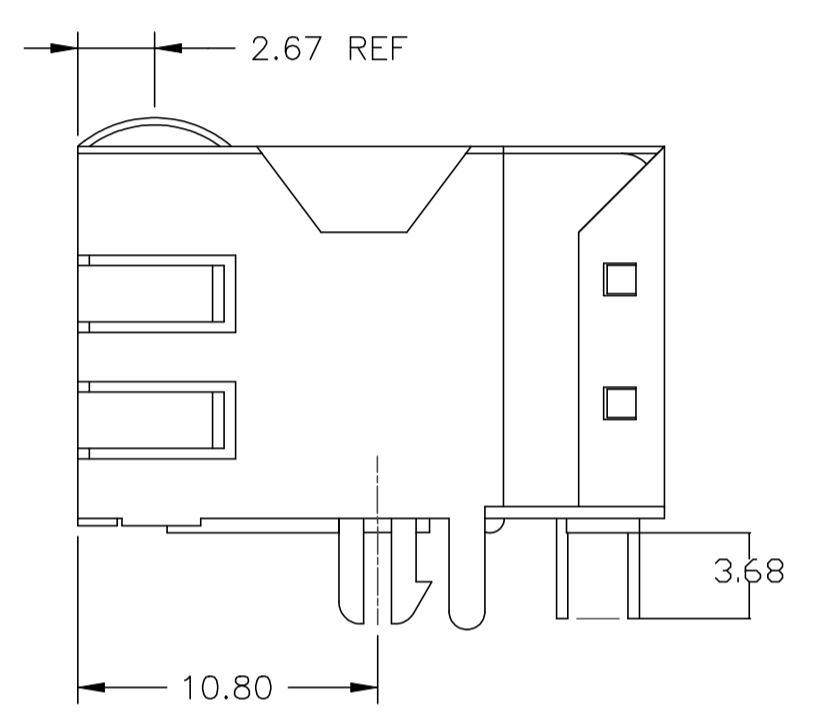
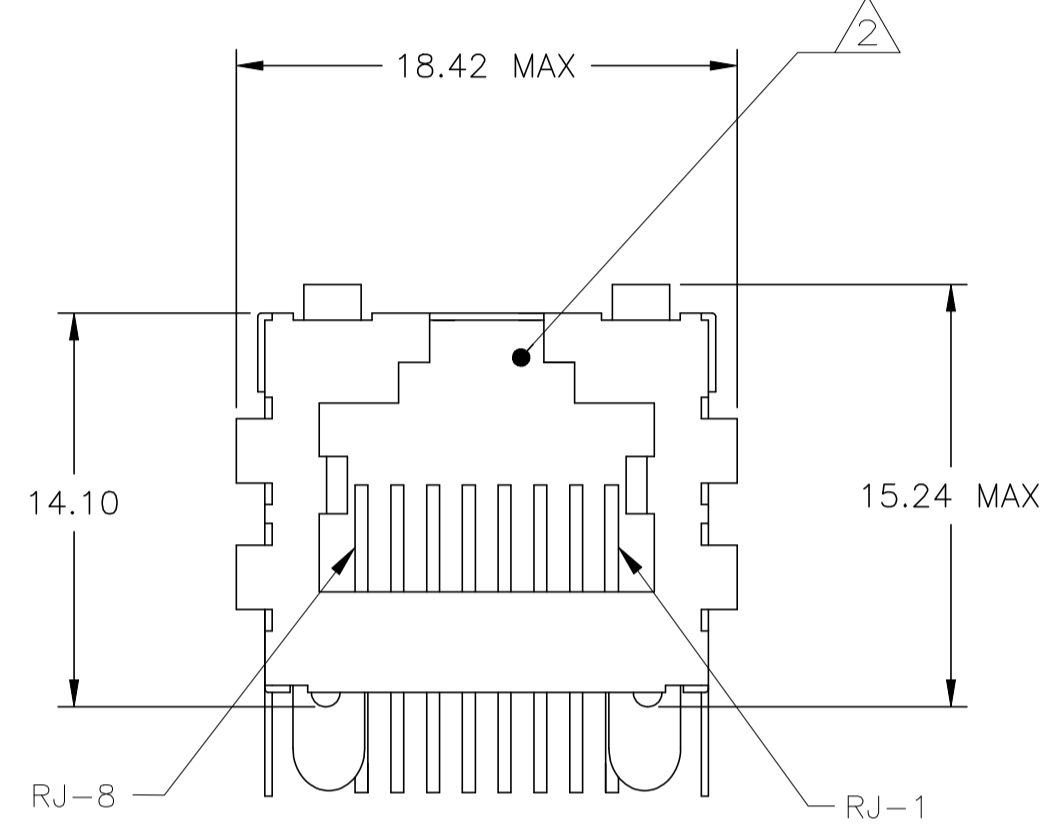
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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	LR	REV	DESCRIPTION	DATE	UN	APP
D			EC-1411035 COMPANY LOGO CHANGE	5/JAN/2015	RT	TL

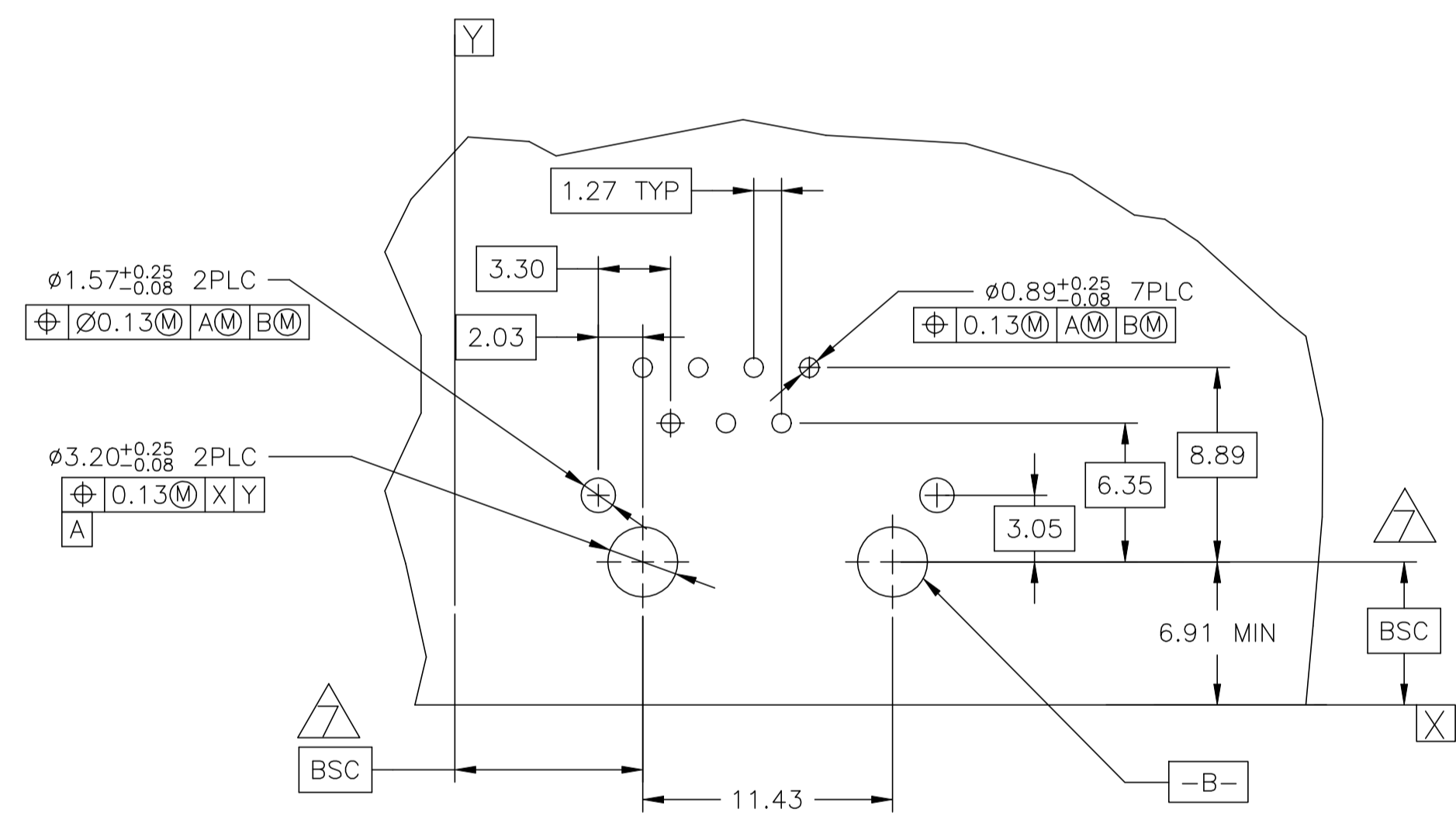
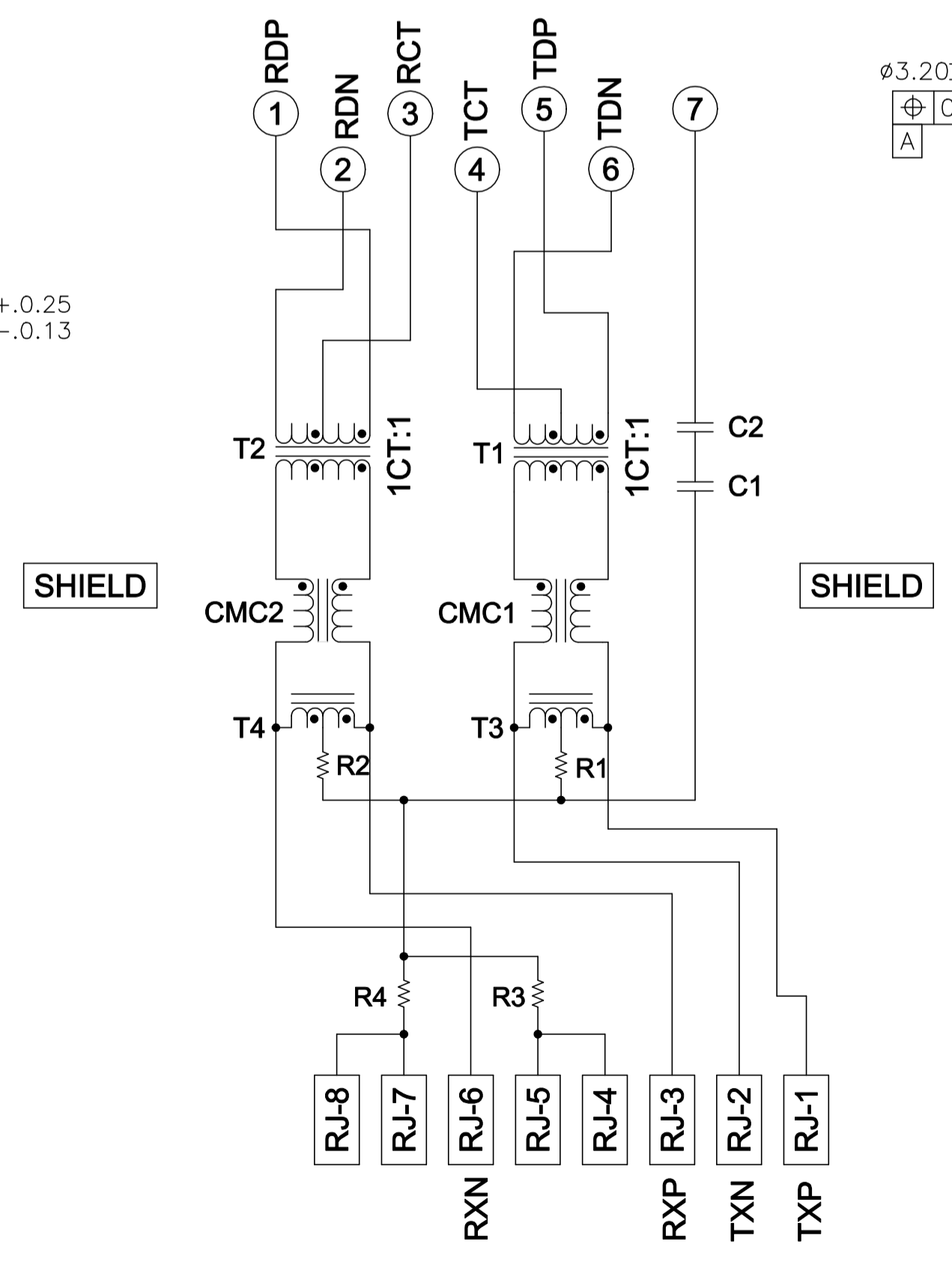


- MATERIALS:**
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
  - SHIELD - C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
  - MOD JACK CONTACTS - PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
- RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.**
- MAGNETICS**
- APPLICATION: 10/100 BASE-T
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
  - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°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, 33-20xLOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
    - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
    - ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS DURATION.

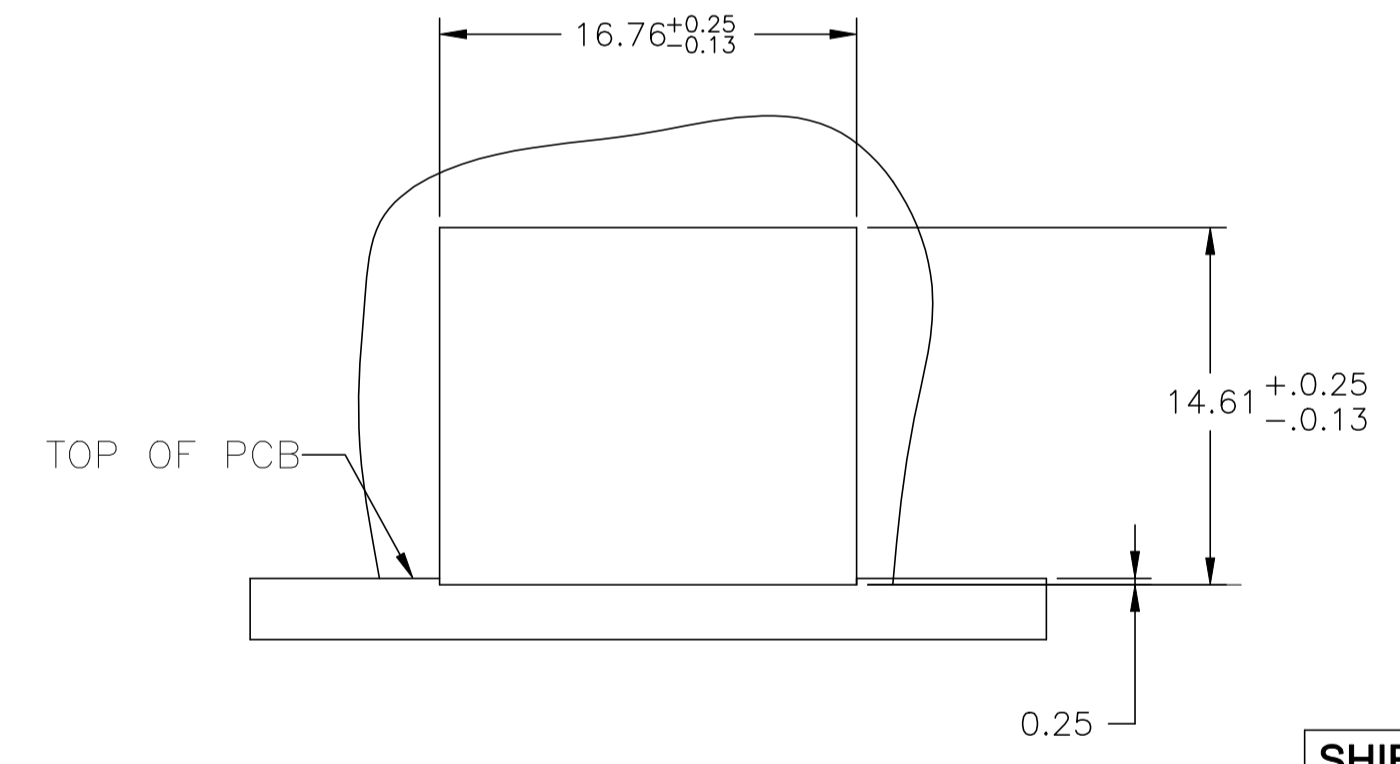


4. OPERATING TEMPERATURE: FROM 0 °C TO +70 °C.
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRIC TO SUPPORT AUTO-MDI/MDIX.
- TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
8. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCES, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

**792 10/100 BASE-T CIRCUIT**



**Suggested PCB Layout (Component Side)**



**SUGGESTED PANEL CUTOUT**

C1-C2 = 1000 pF, 4 kV DECOUPLING CAPACITOR,  
 R1-R4 = 75 OHMS, RESISTORS

1840761-1  
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: LEON HUANG 11DEC2008		DDNGGUAN CHINA
DIMENSIONS: MM		CHK: TONY YUAN 11DEC2008		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: TEDDY XIONG 11DEC2008		
0 PLC ± 0.25 1 PLC ± 0.25 2 PLC ± 0.25 3 PLC ± 0.25 4 PLC ± 0.25 ANGLES ±	MODEL NAME: MAGJACK PRODUCT SPEC: SINGLE NON-POE APPLICATION SPEC:	DESC: 1X1 792 10/100 TAB UP W/O LED SIZE: A1 DRAWING NO: 1840761 CUSTOMER DRAWING	RESTRICTED TO:	SCALE: 1:1 SHEET: 1 OF 1 REV: D