

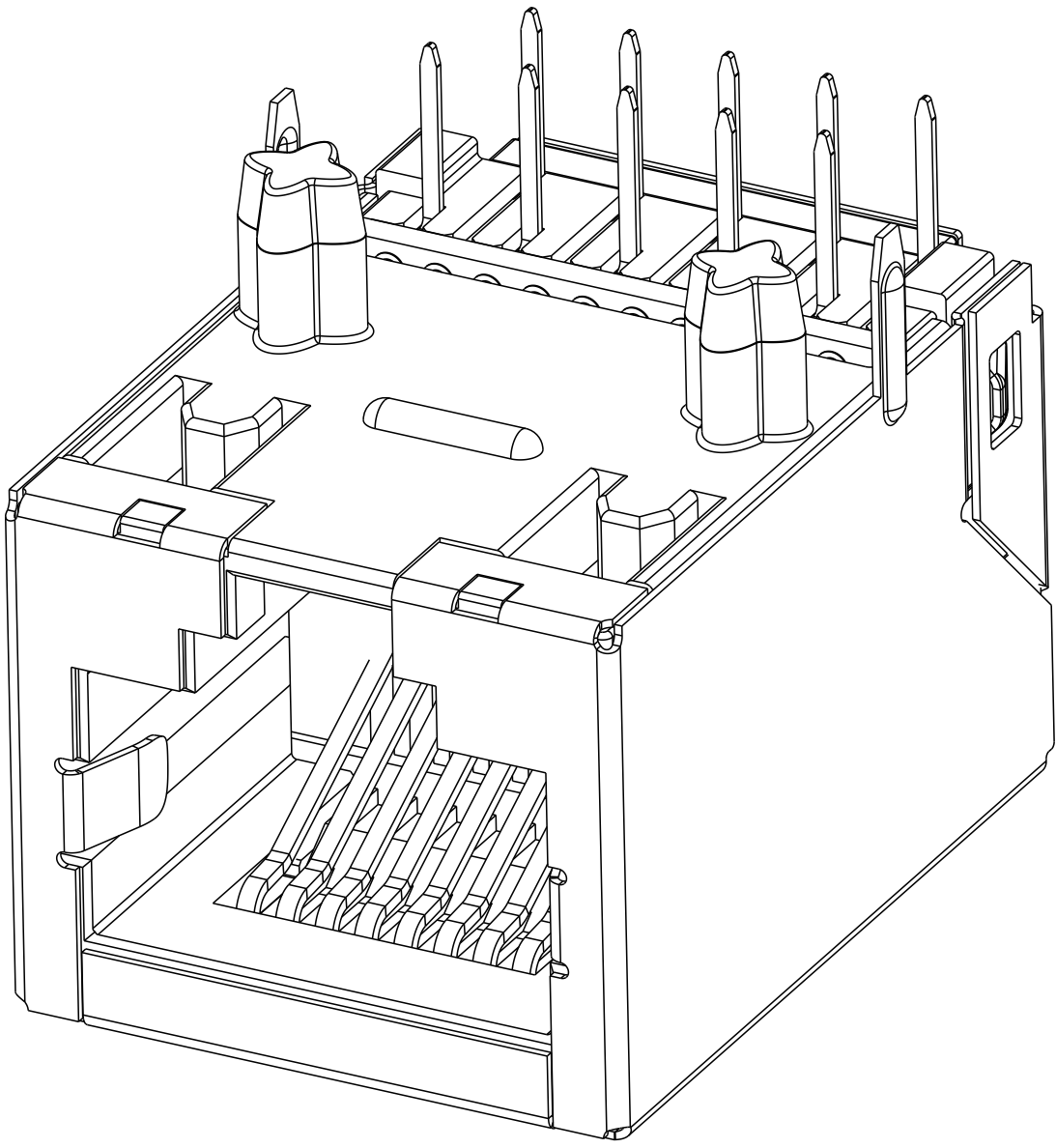
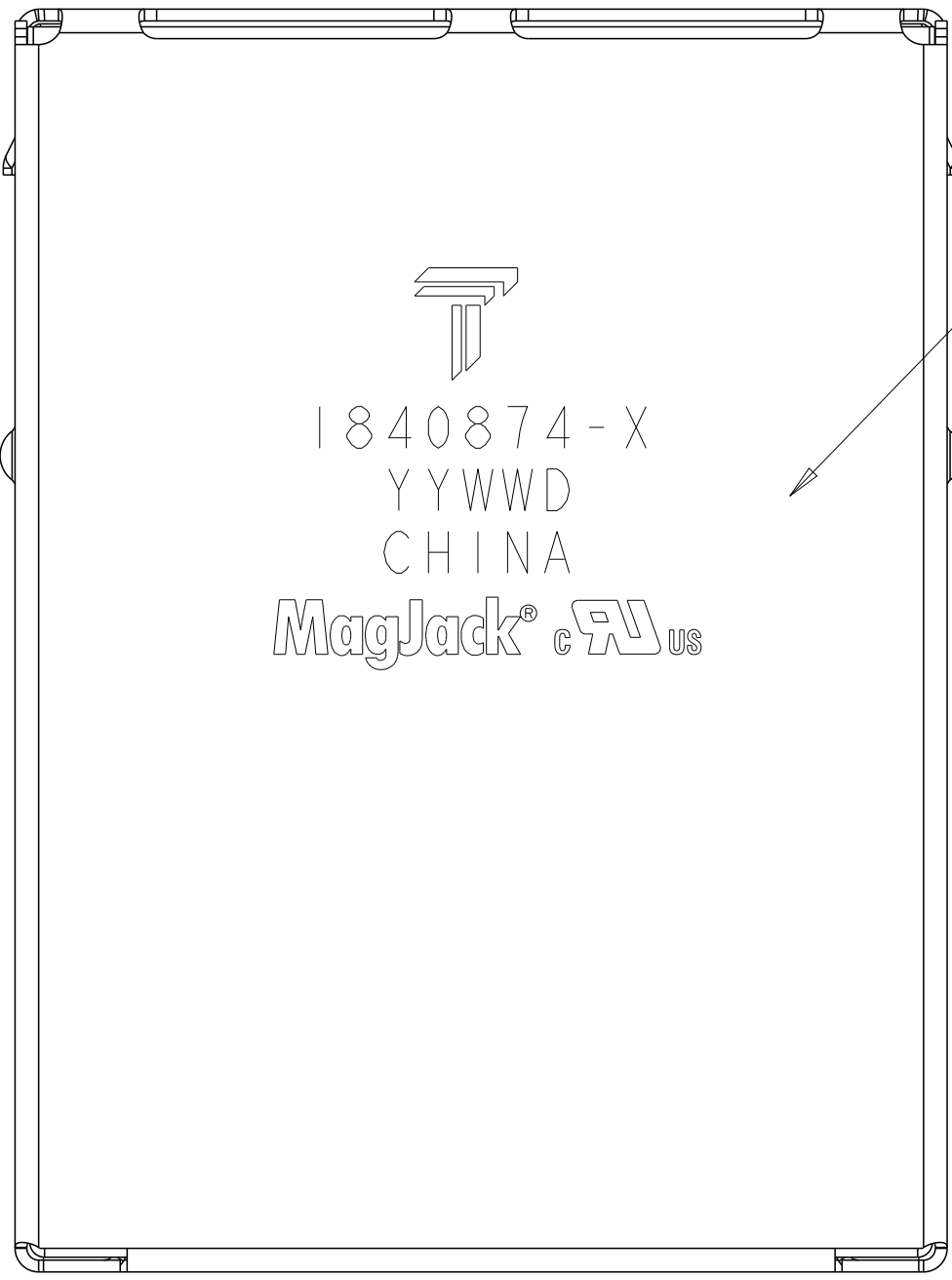
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5 4 3 2 1

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
4		EC-1411035 COMPANY LOGO CHANGE	09JAN2015	RL



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, 1.27um MIN OVERALL NICKEL UNDERPLATE, WITH SELECTIVE 1.27um MIN HARD GOLD FINISH PLATE.
 - 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 2.03mm MIN. SILVER PLATE OVER 1.02mm MIN. NICKEL OVER 1.02mm MIN.COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05mm MIN. MATTE TIN.

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

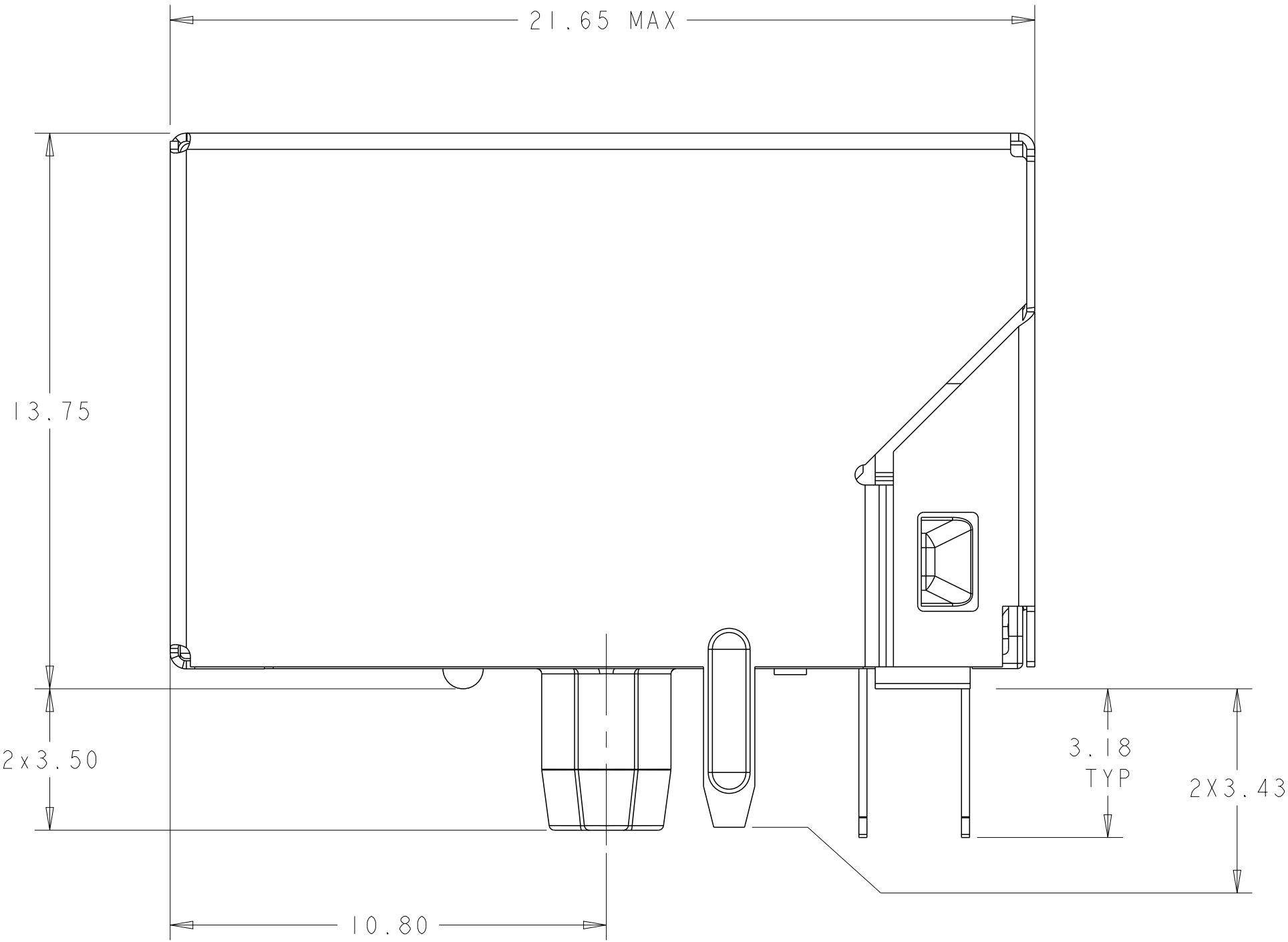
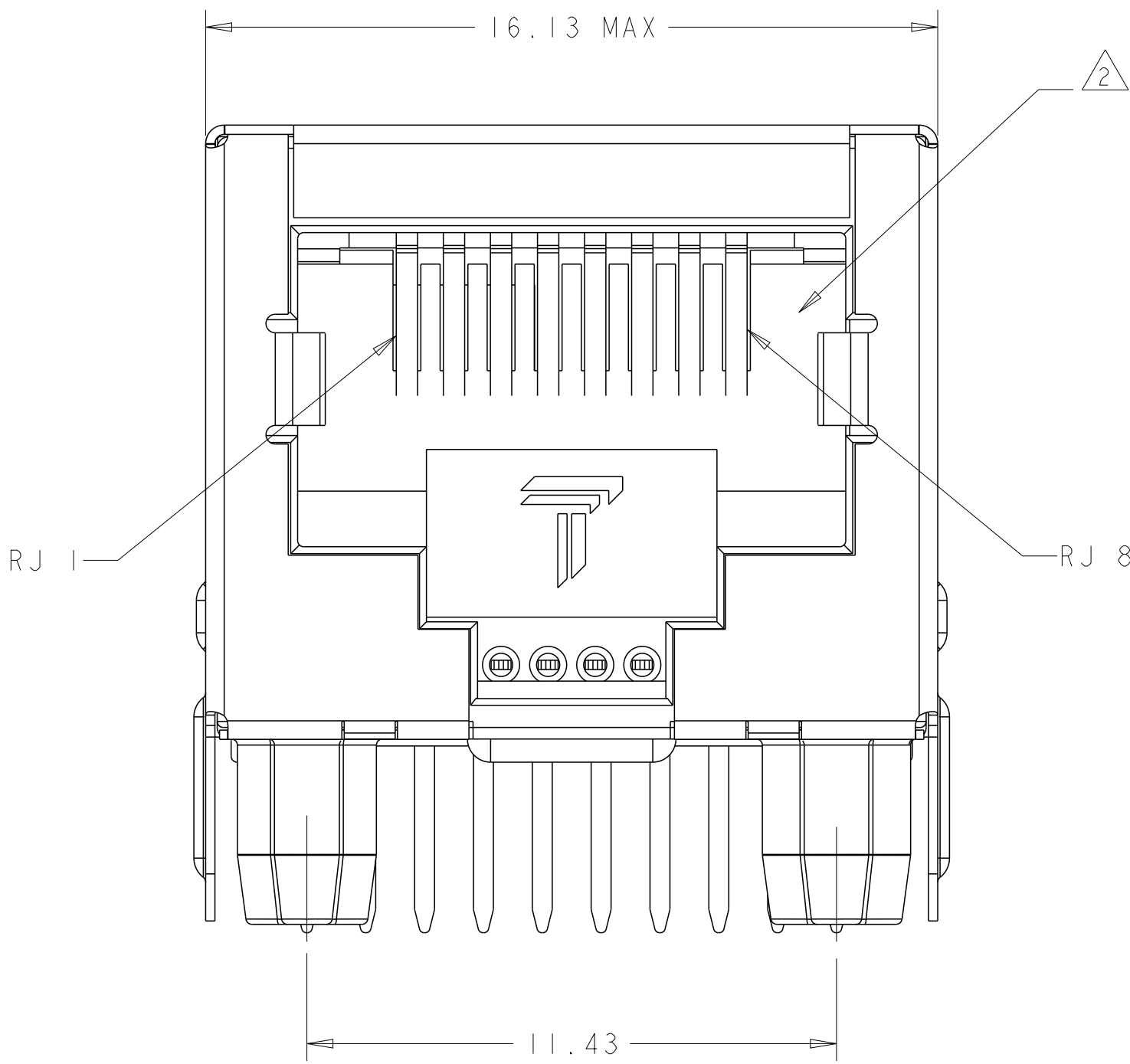
- 3 MAGNETICS
- APPLICATION: 10/100/1000 BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN. @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX. FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 - 12-20LOG(f/80)dB MIN. FROM 40.1MHz TO 100MHz
 - 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 0°C TO +70°C.

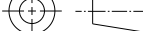
5 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

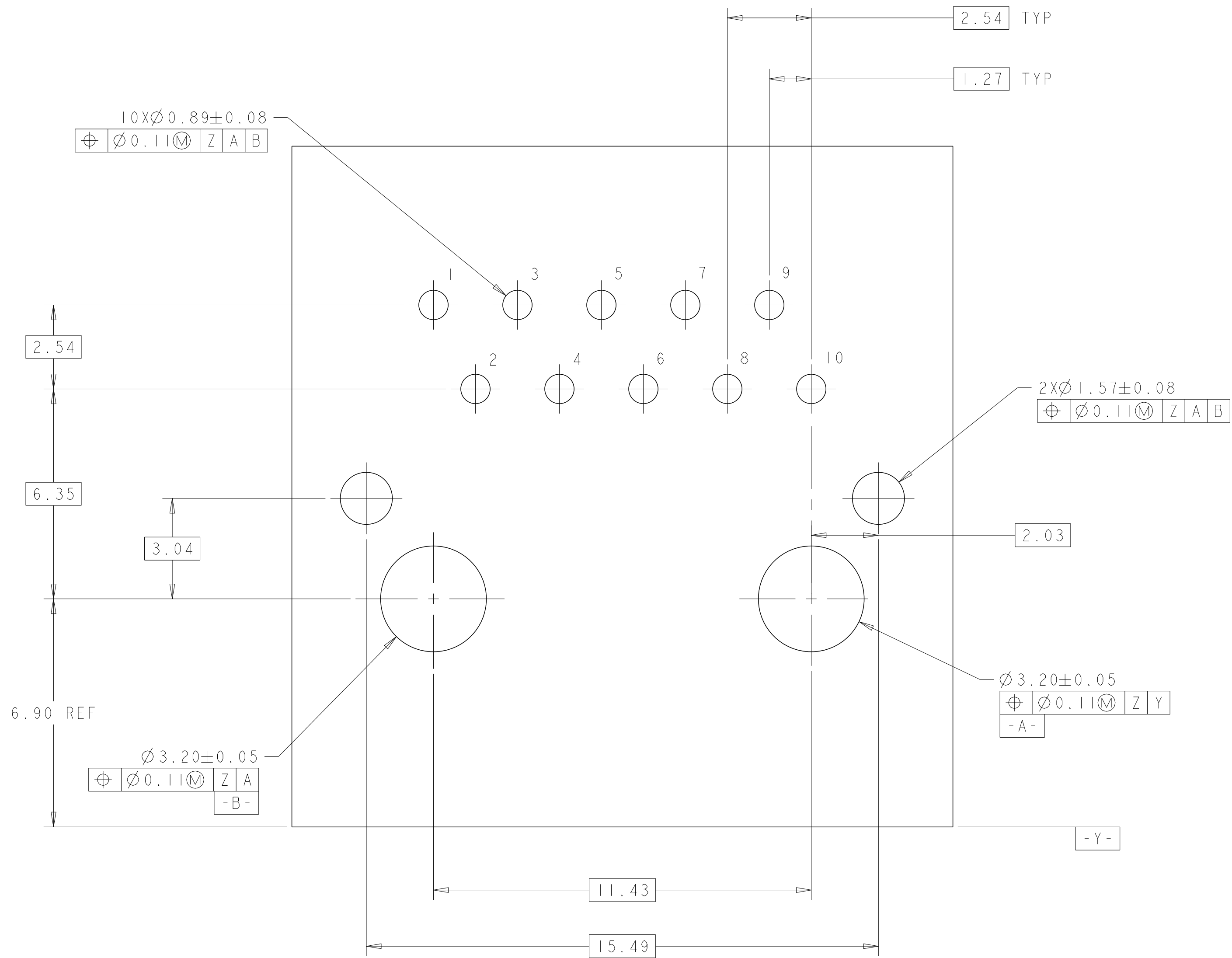
6 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

7. THIS 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.

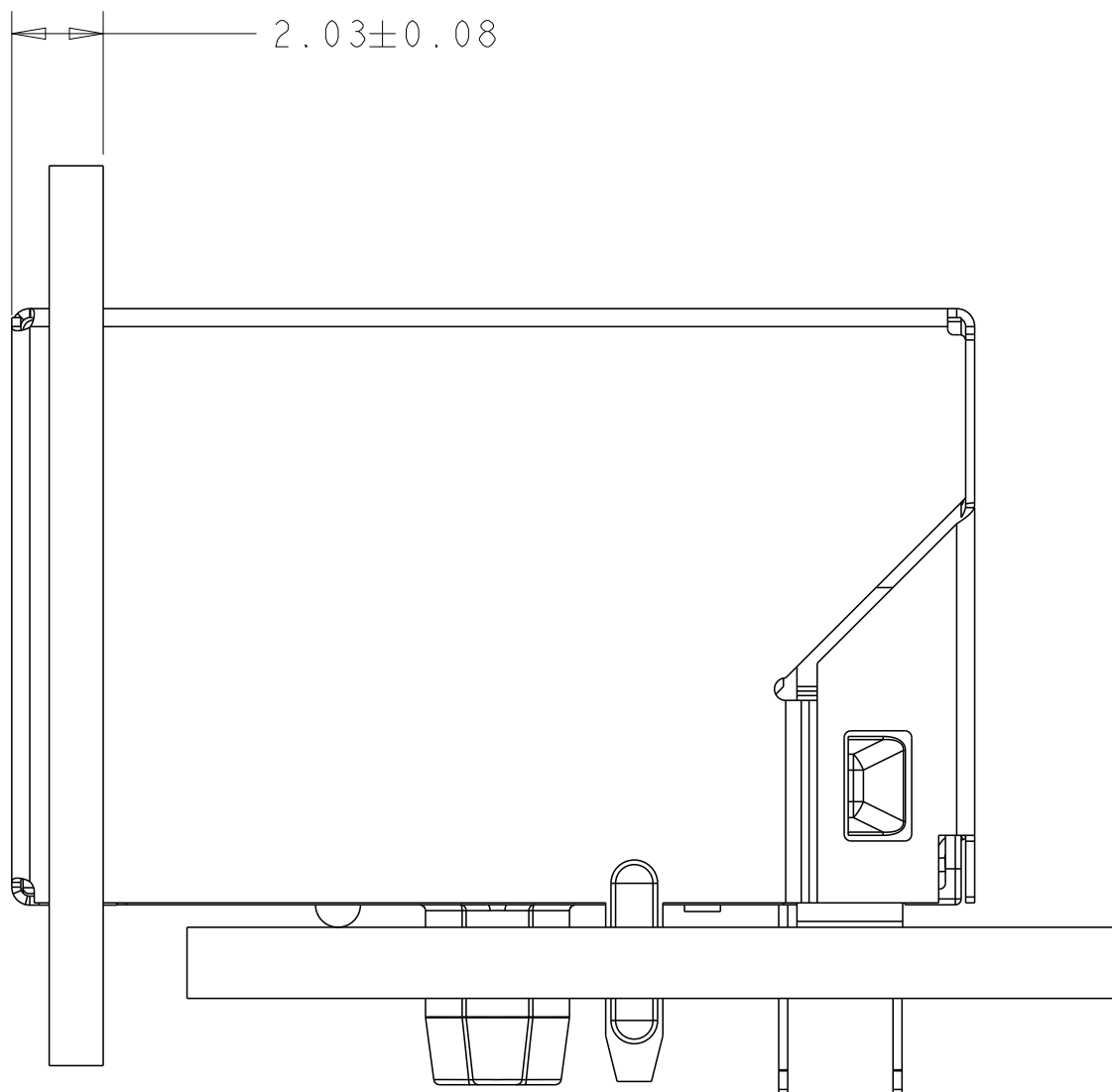
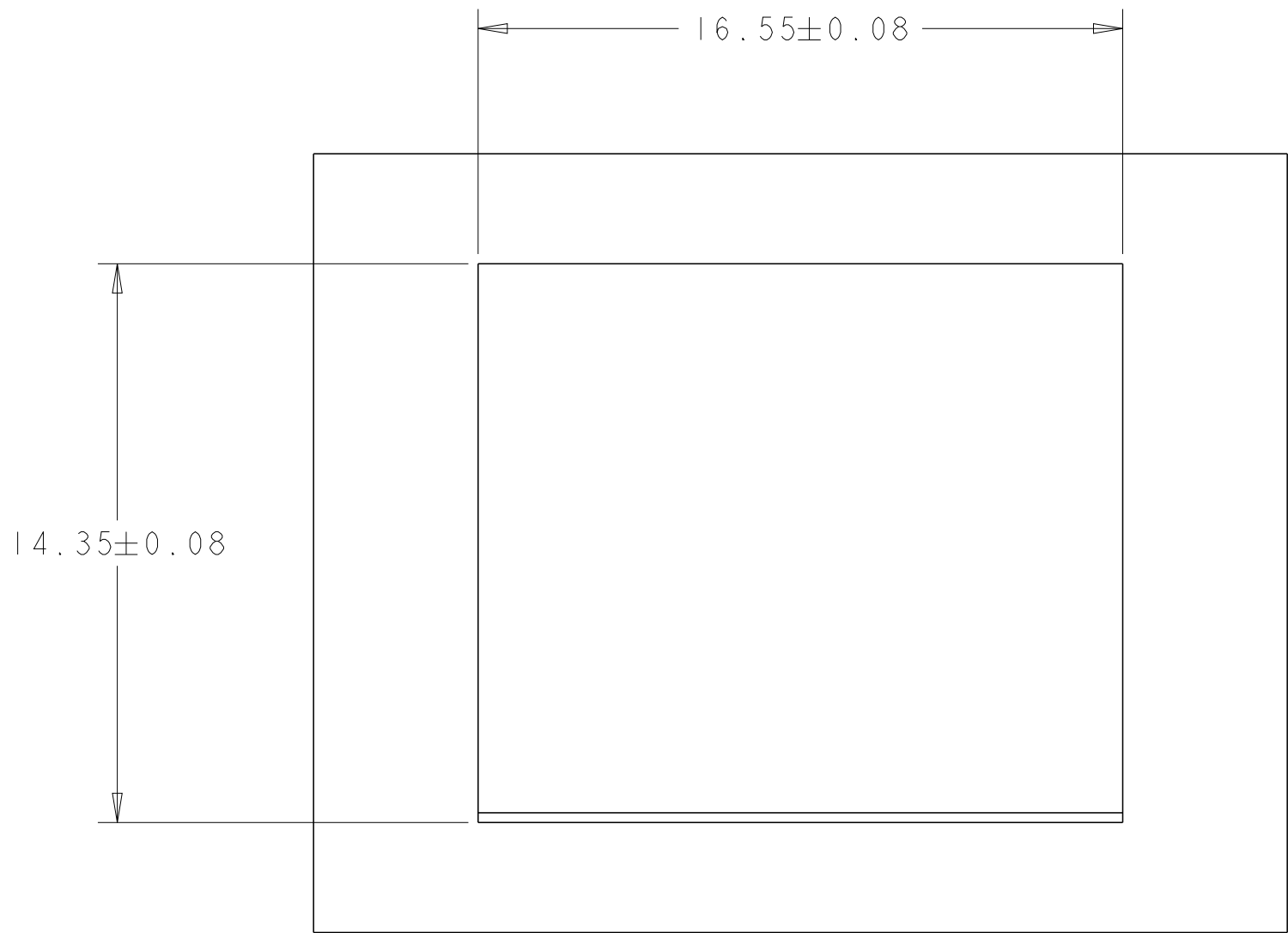


1840874-1
PART NO.

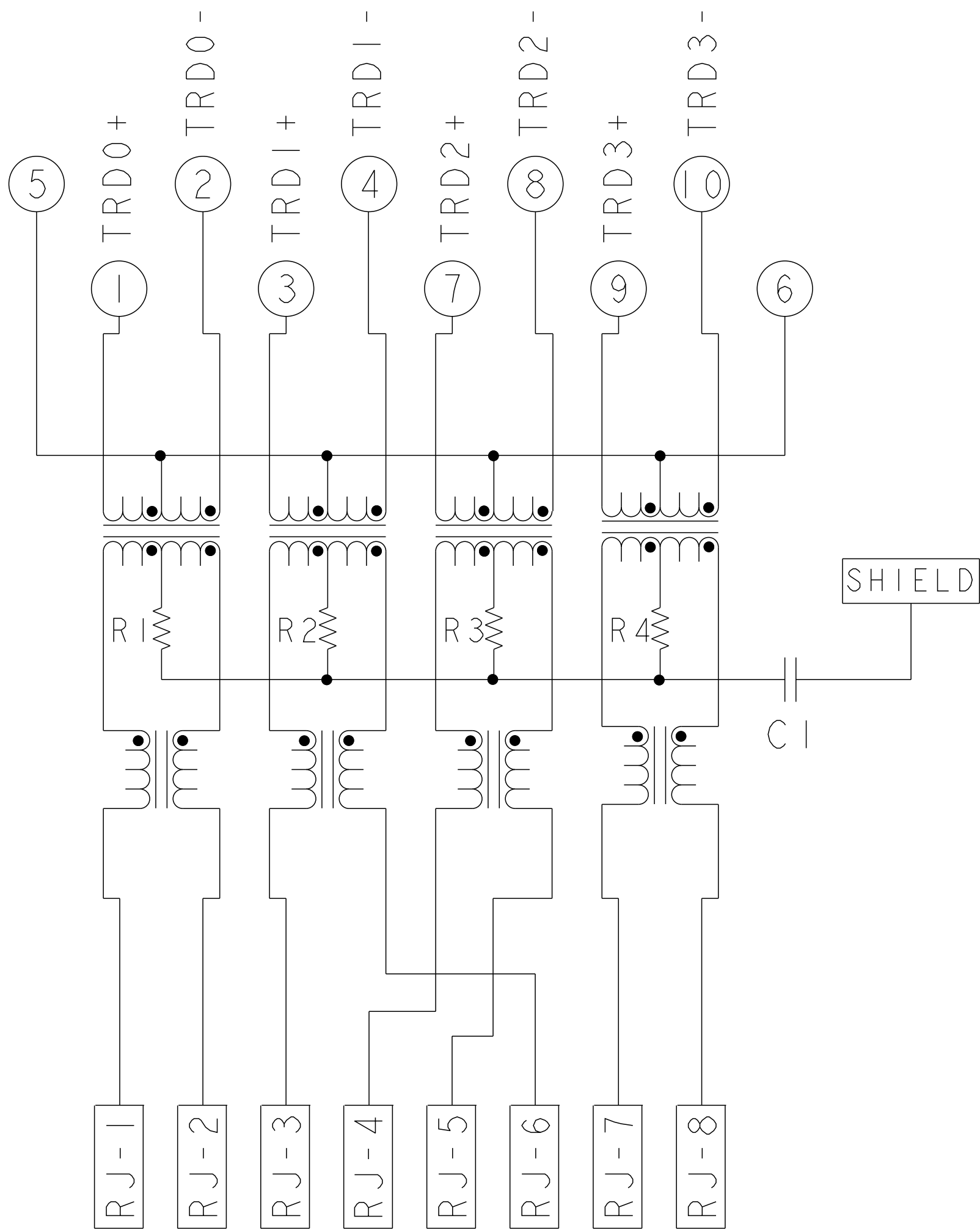
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WILLIAM/EVAN 16SEP2010	 trp CONNECTOR a bel group		DONGGUAN CHINA			
DIMENSIONS:		CHK TOWER YU 16SEP2010						
mm		APVD KEITH ZHU 16SEP2010						
TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME						
		0 PLC ±0.25	DESC				IX1 4G90 GIGABIT TAB DOWN W/O LED	
		1 PLC ±0.25	SIZE		CAGE CODE	DRAWING NO		
		2 PLC ±0.25	SINGLE Non-PoE		A1		C1840874	
		3 PLC ±0.25	CUSTOMER DRAWING			SCALE		4:1
		4 PLC ±	108-104004			SHEET		1
		ANGLES	APPLICATION SPEC		OF	2		
			REV	4				



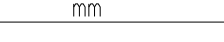
SUGGESTED PCB LAYOUT
COMPONENT SIDE



4G90 GIGABIT CIRCUIT $\triangle 3$ $\triangle 5$



C1=1000pF, 2kV, DECOUPLING CAP
R1~R4=75 Ohms, 1/16W, RESISTORS

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN WILLIAM/EVAN 16SEP2010	 trp CONNECTOR a bel group		DONGGUAN CHINA			
		CHK TOWER YU 16SEP2010						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESC IXI 4G90 GIGABIT TAB DOWN W/O LED	SIZE A1	CAGE CODE C=1840874	DRAWING NO	RESTRICTED TO -
		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±						
PRODUCT SPEC 108-104004		MODEL NAME MAGJACK SINGLE Non-PoE						
CUSTOMER DRAWING		SCALE 4:1		SHEET 2 OF 2		REV 4		