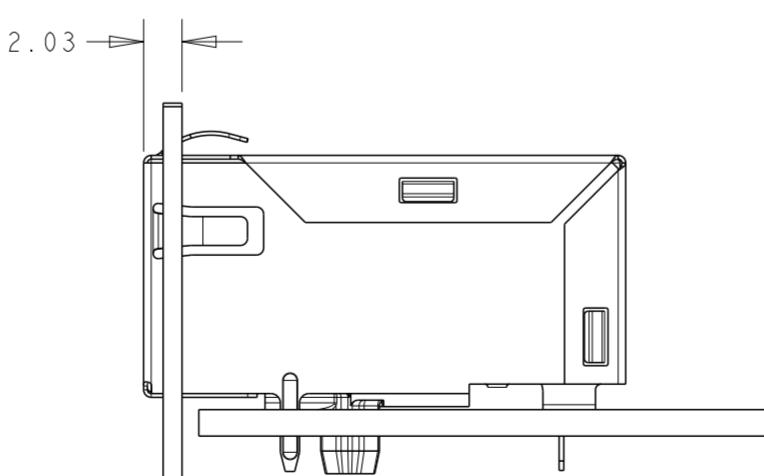
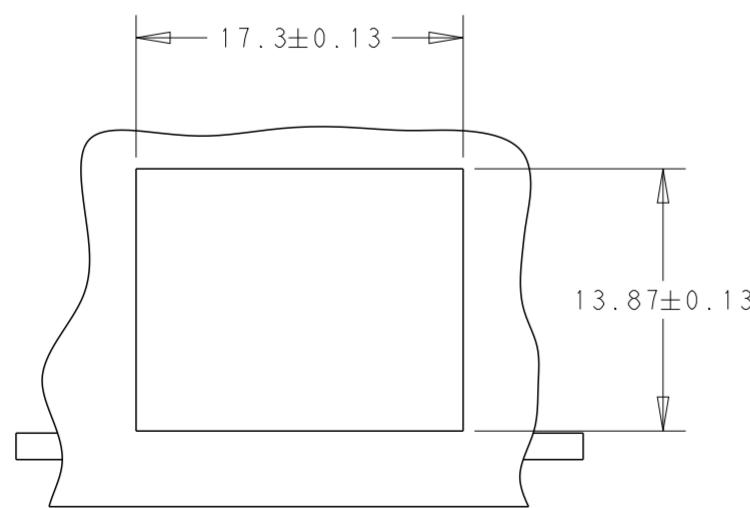
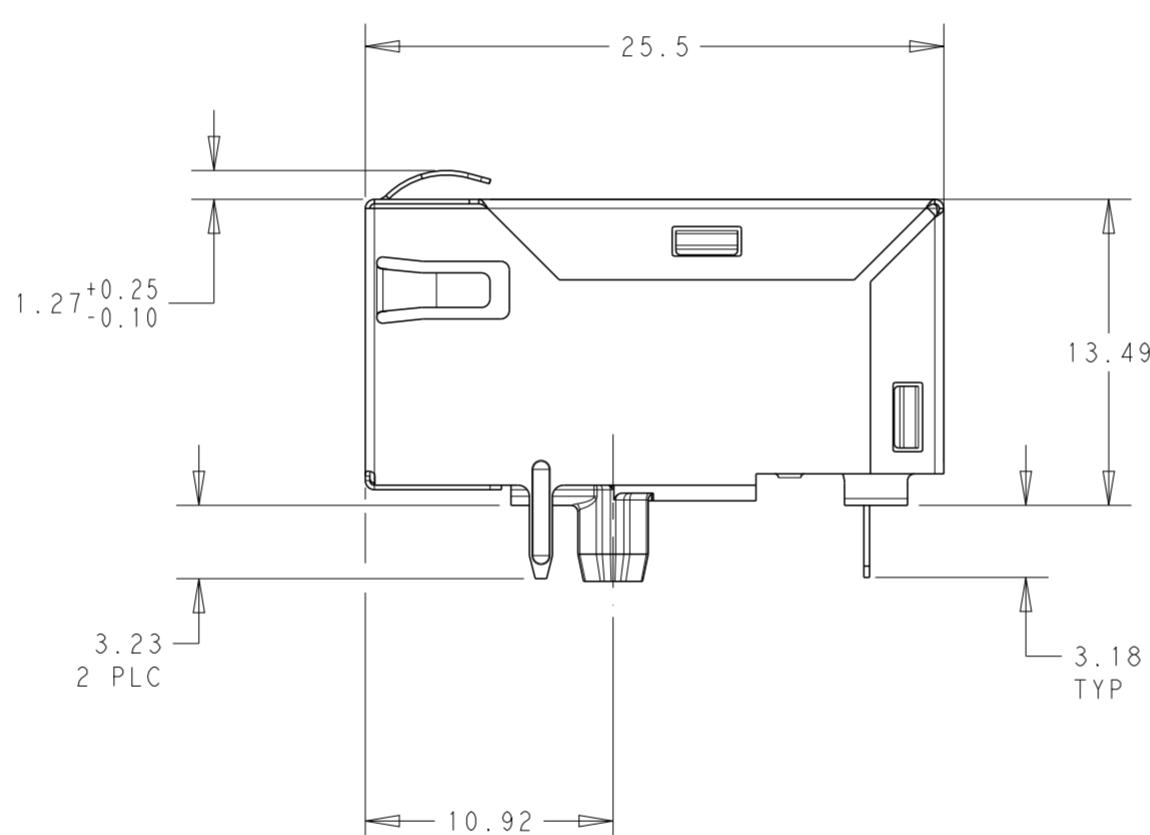
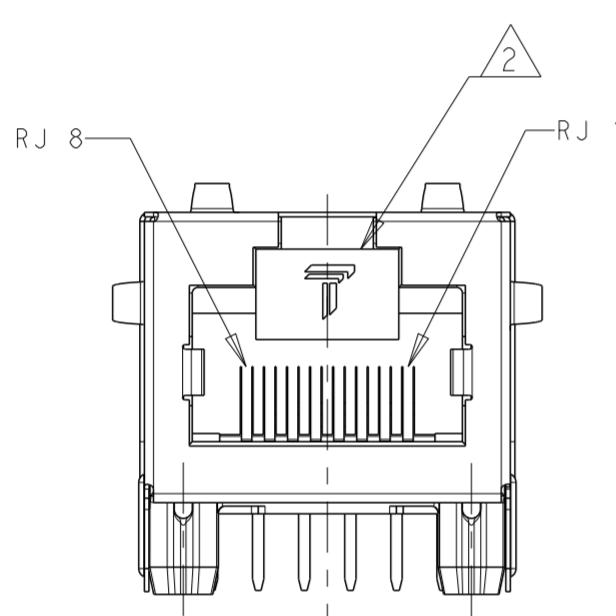
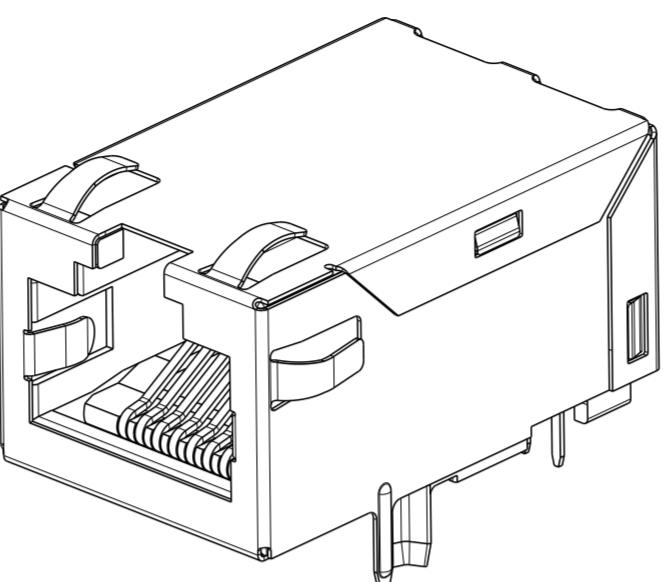
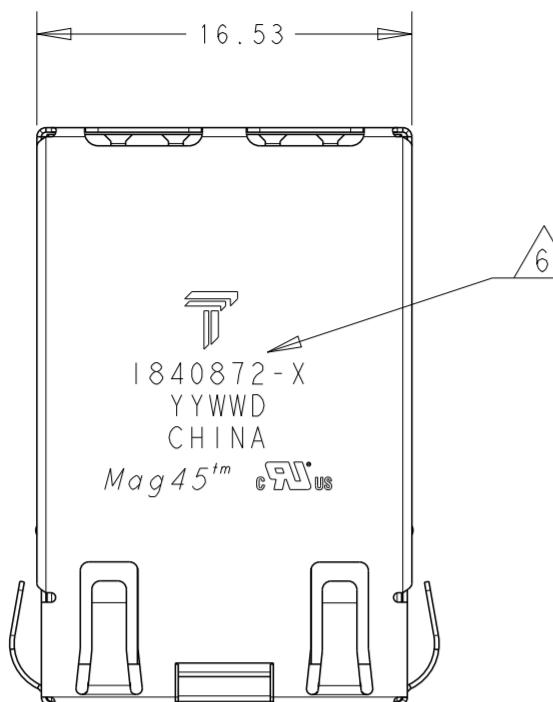


P	LTR	DESCRIPTION	DATE	DWN	APVD
C		LOGO CHANGE	02APR2013	TR	KZ



SUGGESTED PANEL CUTOUT

CONNECTOR ASSEMBLED
TO PANEL AND PCB

1 MATERIAL
HOUSING: THERMOPLASTIC BLACK, FLAMMABILITY RATING UL 94V-O
SHIELD: 0.20mm THICK, BRASS
PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
POST-DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
CONTACT TAILS: PHOSPHOR BRONZE,
WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
SOLDER TAIL: 0.25mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE, 3um MIN TIN PLATE.

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

3 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
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz

COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME
OF 500V/SEC.

4. OPERATING TEMPERATURE: 0°C TO 70°C

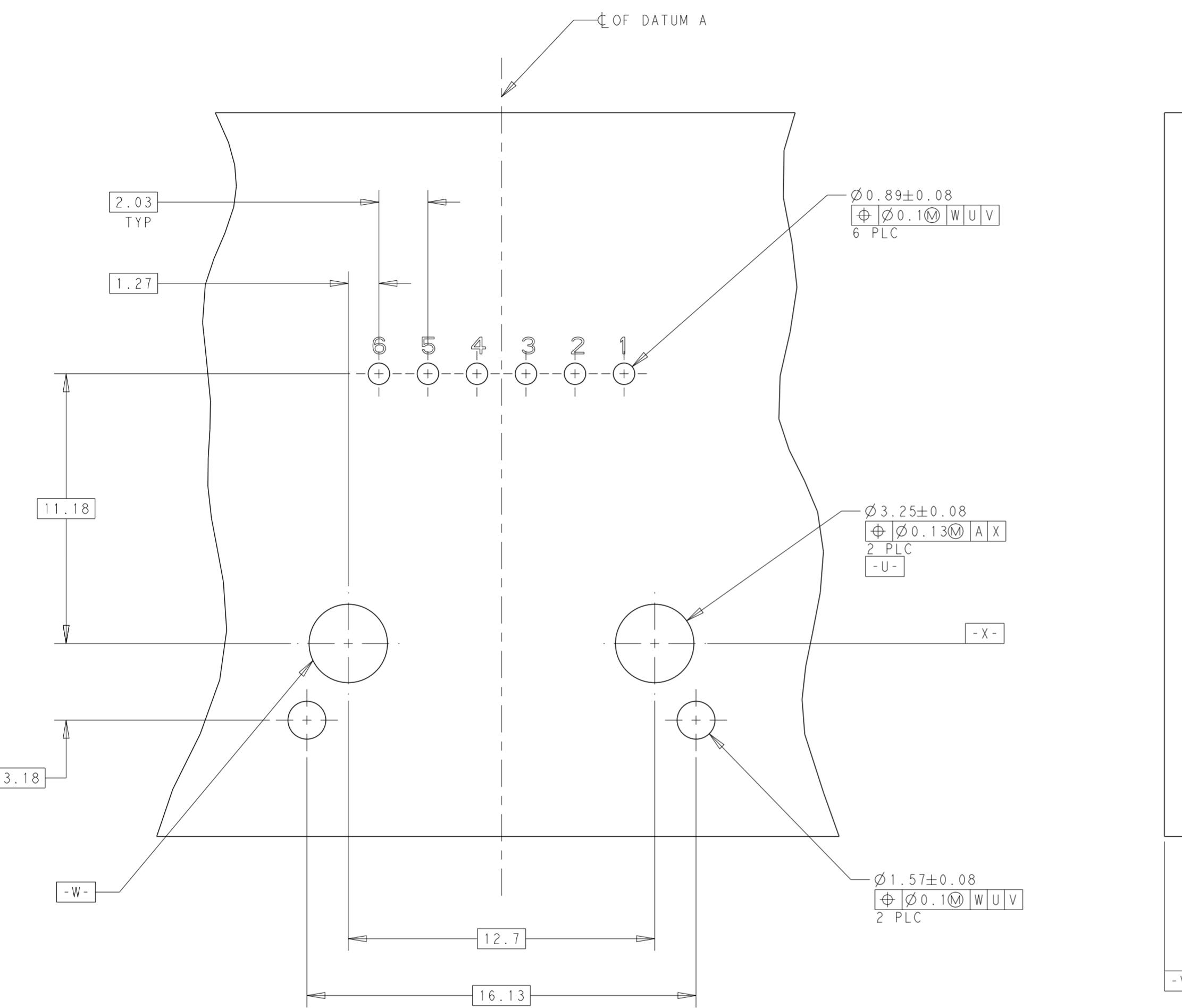
5. THE MAGNETIC CIRCUITS ARE SYMMETRICAL TO SUPPORT AUTO-MDIX OPERATION.

6. TRP LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AGENCY APPROVAL
MARKING LOGO LOCATED IN APPROXIMATE AREA AS SHOWN. DATE CODE YY IS YEAR, WW IS
WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1

7. 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.

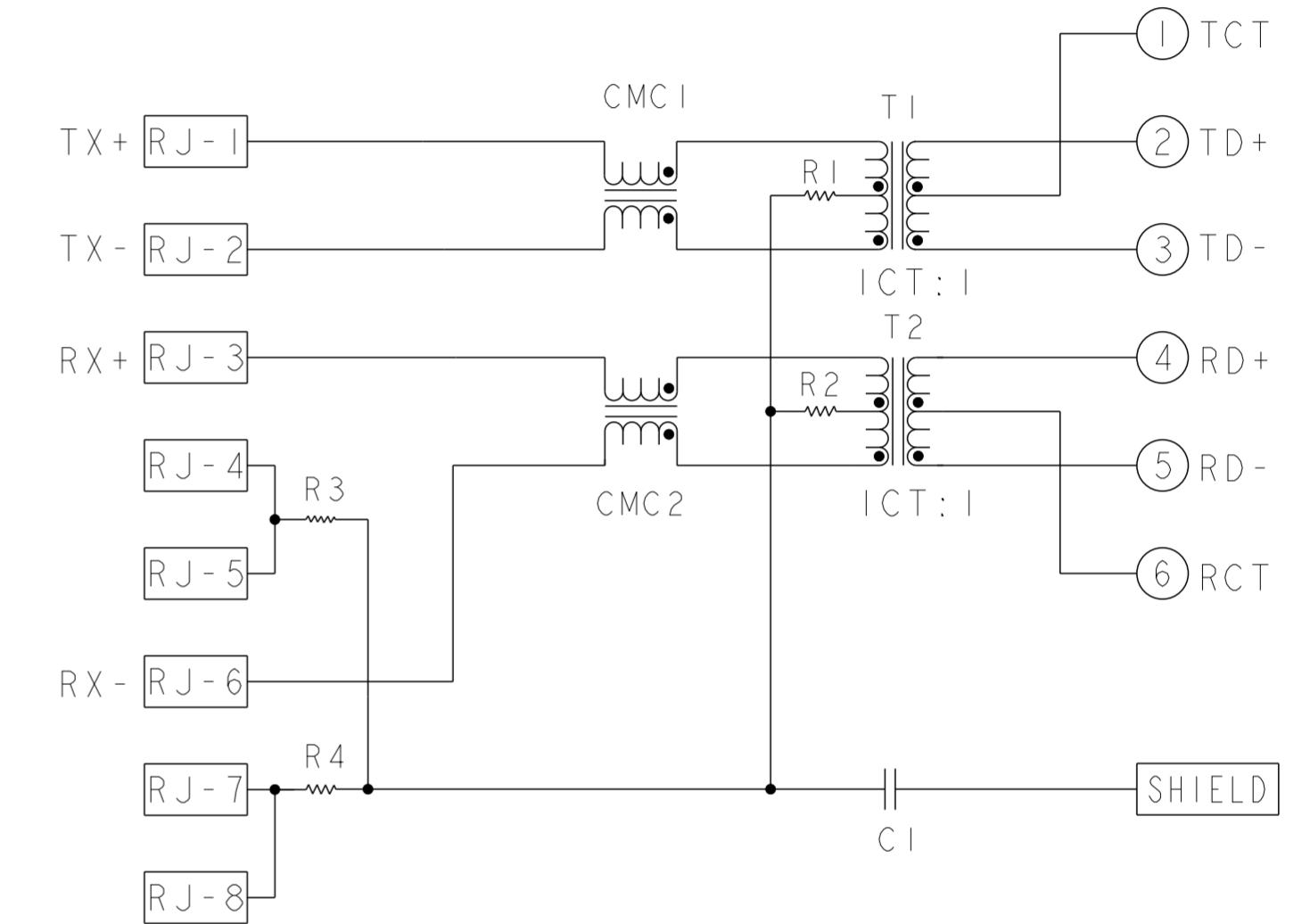
1840872-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	31JAN10	TRP connector Dongguan China
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25		ANGLES ±1°		
PRODUCT SPEC 108-104004 APPLICATION SPEC -		FINISH	WEIGHT -	
MATERIAL	1	1	CUSTOMER DRAWING	RESTRICTED TO
			A2	C-1840872
			SCALE 3:1	1 OF 2 REV C



RECOMMENDED PCB LAYOUT
COMPONENT SIDE VIEW
TOLERANCE: ± 0.05

726P12 10/100 CIRCUIT 5



$C_1 = 1000 \text{ pF}$, 2kV, DECOUPLING CAP
 $R_1 \sim R_4 = 75 \Omega$, 1/16W, RESISTORS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	31JAN10
CHK	31JAN10
TONY YUAN	31JAN10
APVD	31JAN10
KEITH ZHU	31JAN10
PRODUCT SPEC	108-104004
APPLICATION SPEC	-
MATERIAL	FINISH
ANGLES	$\pm 1^\circ$

TERRY YU 31JAN10

TONY YUAN 31JAN10

KEITH ZHU 31JAN10

108-104004

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TRP connector
Dongguan China

1X1 MAG45(TM) MODULAR JACK, 726P12
10/100 CIRCUIT, SHIELD, NO LEDS

SIZE CAGE CODE DRAWING NO
A2 C-1840872

SCALE 3:1 SHEET 2 OF 2 REV C