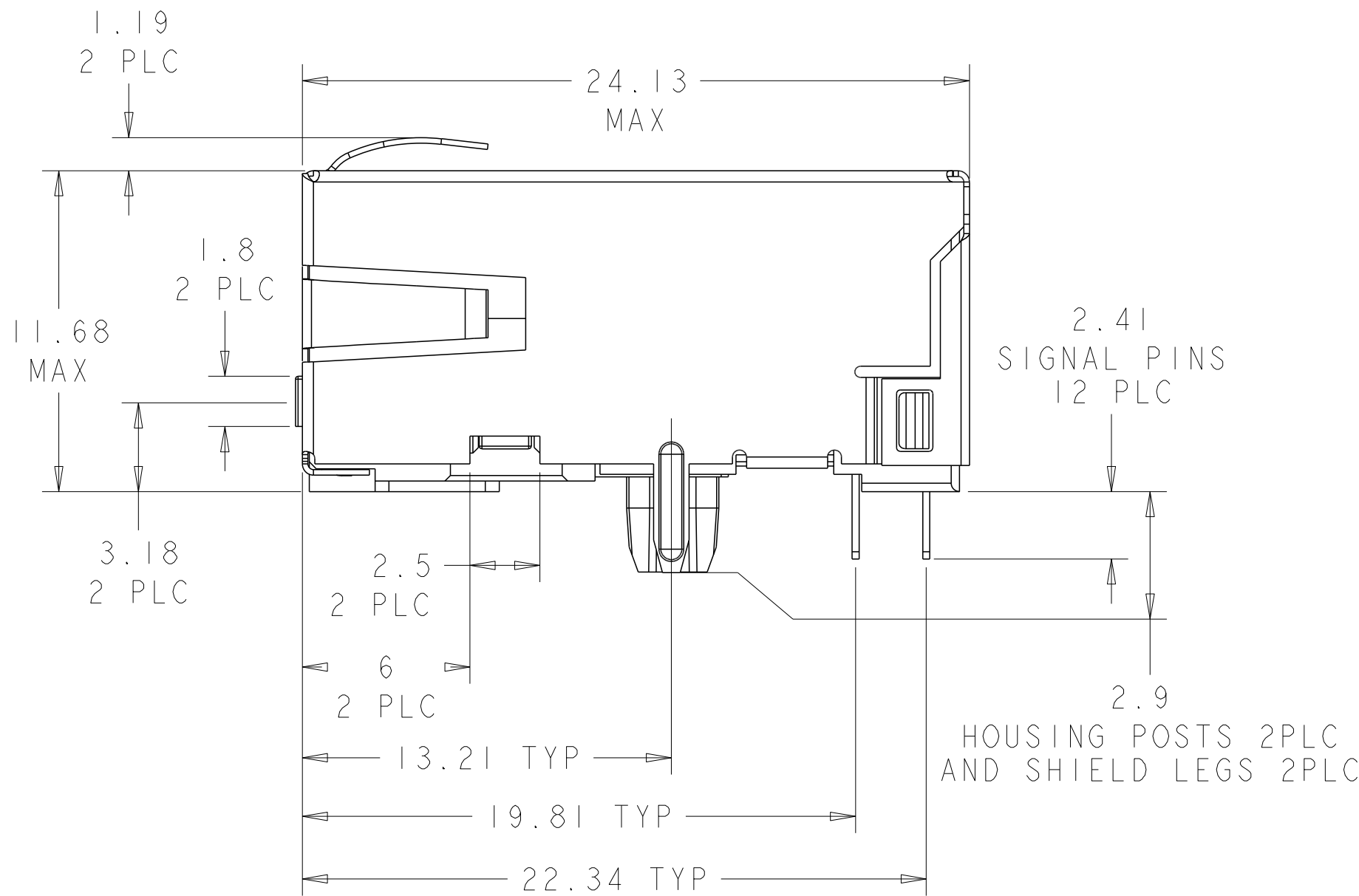
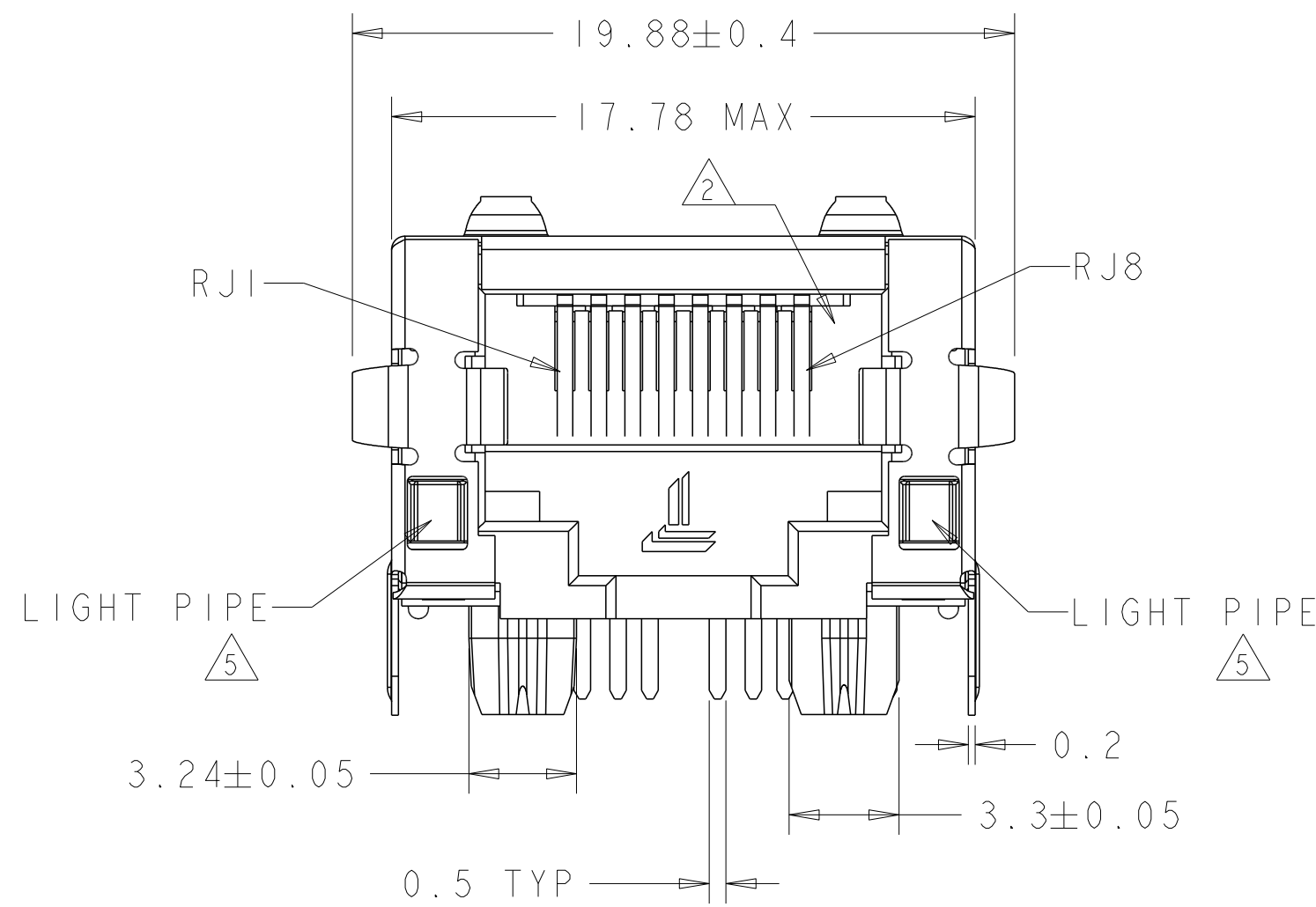
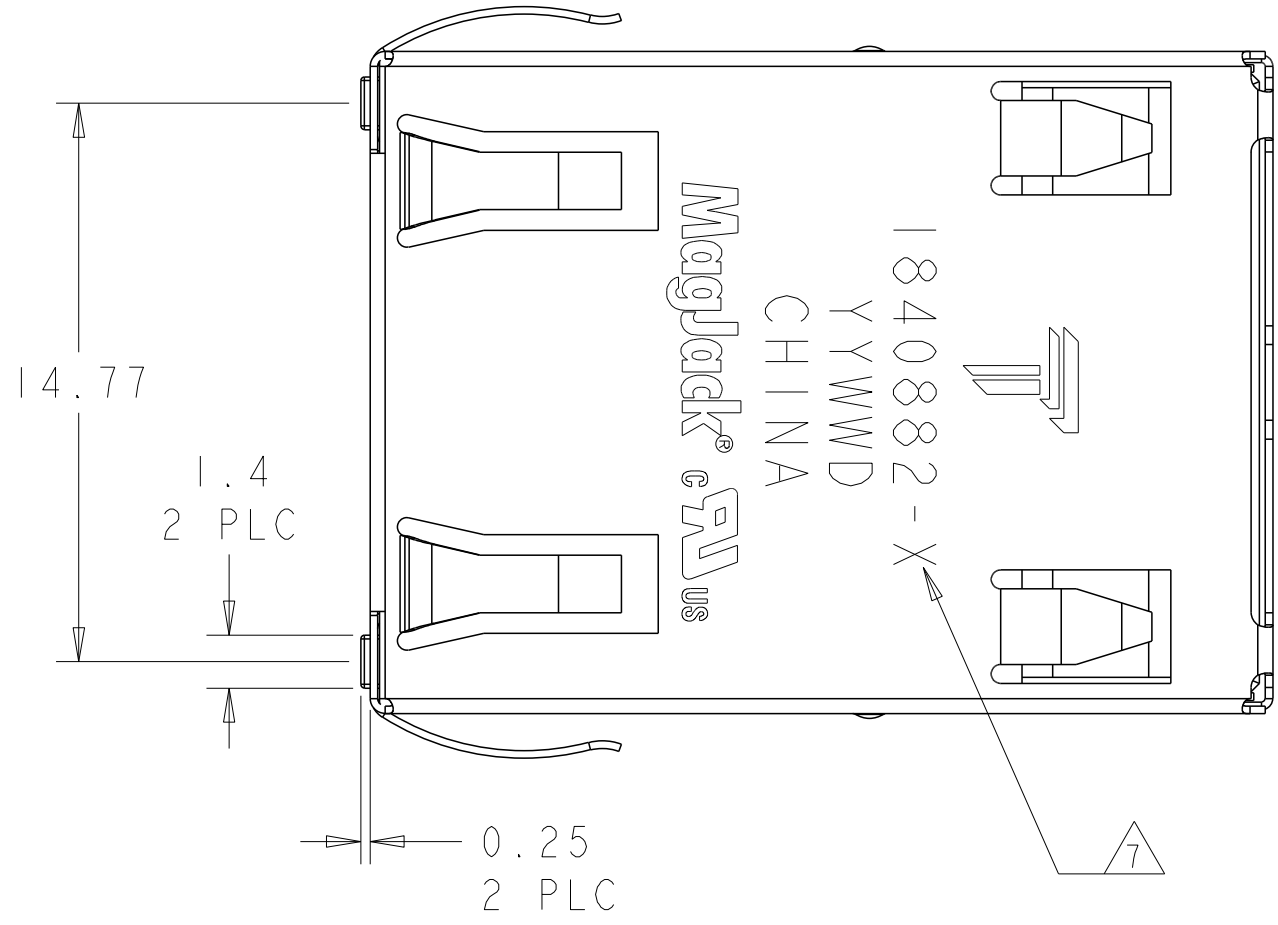
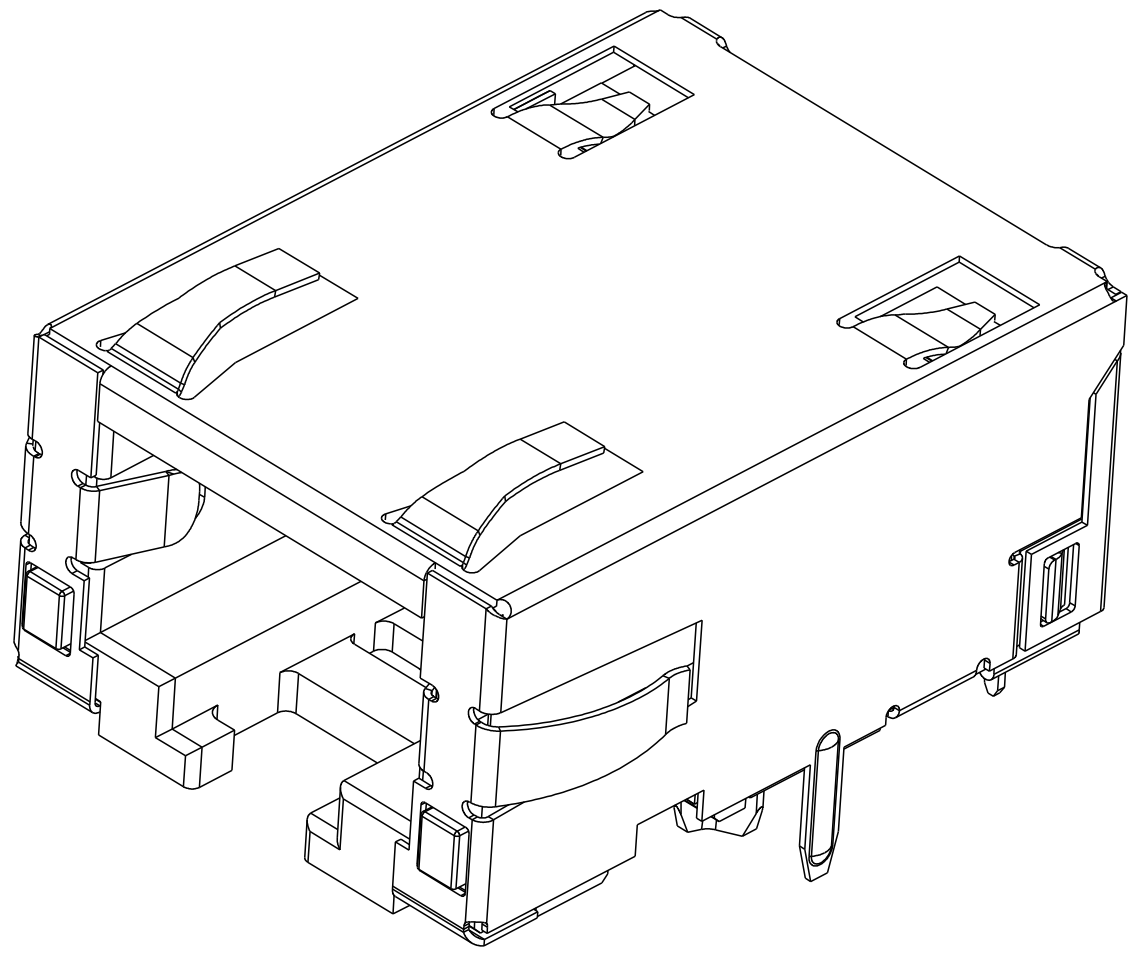


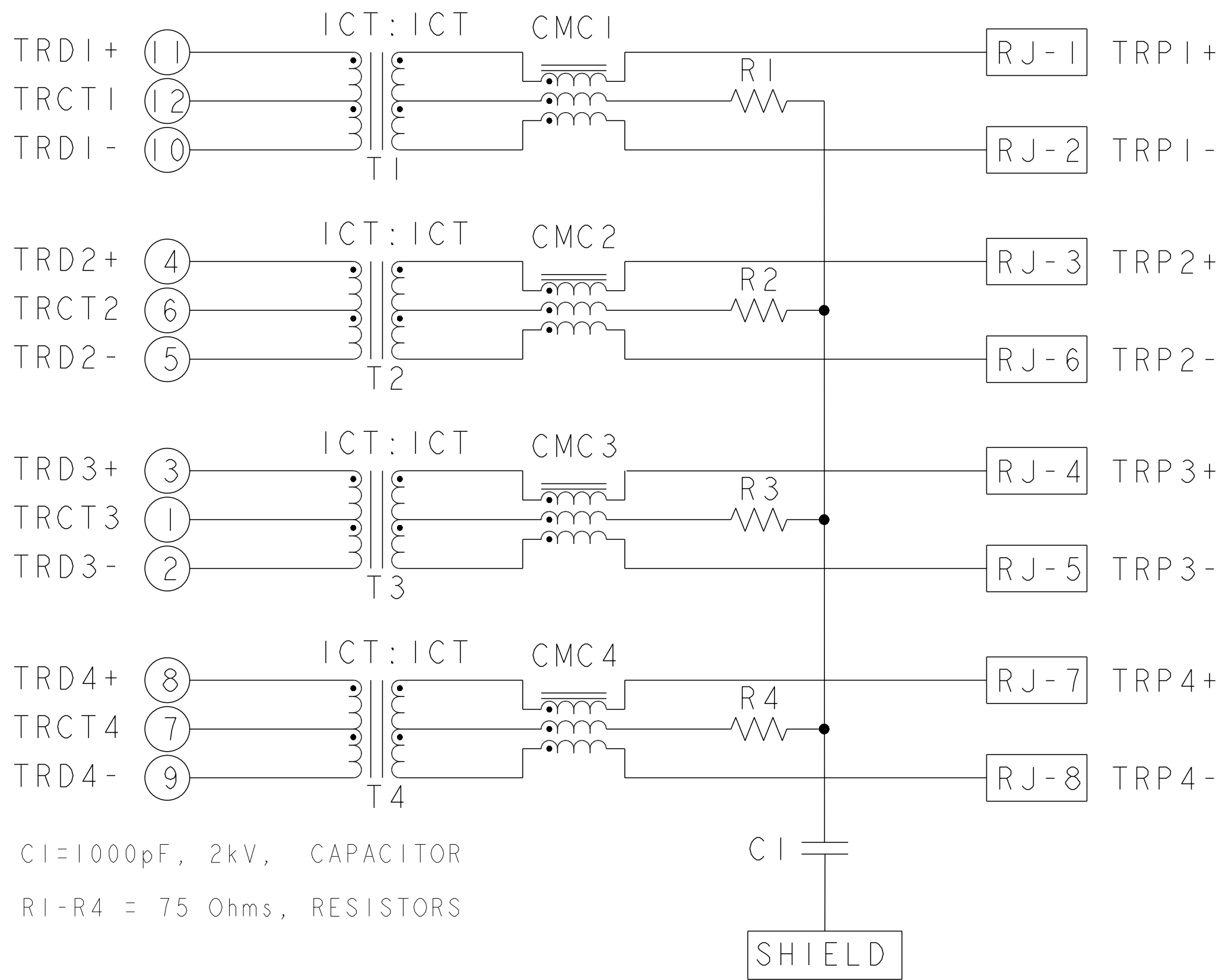
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISONS				
P	LTR	DESCRIPTION	DATE	DWN
D		LOGO CHANGE	24APR2013	TY
E		COMPANY LOGO CHANGE AND EC-1409035	08JAN2015	TYR



8G18 GIGABIT CIRCUIT



1. MATERIALS:
- HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
 - SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 0.76 um MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2 um MIN SAC ALLOY LEAD FREE SOLDER
 - CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, 3 um MIN TIN PLATE
 - MOD JACK CONTACTS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 0.76um MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
 - LIGHT PIPE: POLYETHER SULFONE

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-DIRECTINAL
 - 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 (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

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

5 LIGHT PIPES ARE USED TO TRANSMIT LIGHT OF SMD LED'S MOUNTED ON CUSTOMER BOARD.

6 ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

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

8 PART SHOULD BE COMPLIANT TO WAVE SOLDERING PROCESS ONLY, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

9 PART SHOULD BE COMPLIANT TO BOTH WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX, AND IR REFLOW SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE 260°C MAX, DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-60 SECONDS.

WAVE 8	WITH TRAY	1840882-2
BOTH 9	WITH REEL	1840882-1
SOLDER PROCESS	PACKAGE	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU/COLIN ZHU 17NOV2010	 trp CONNECTOR DONGGUAN CHINA	
DIMENSIONS: mm		CHK TOWER YU 17NOV2010		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 17NOV2010		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±°		MODEL NAME		
PRODUCT SPEC 108-2207		MAGJACK SINGLE NON-POE	DESC IX1 8G18 GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHT PIPE	RESTRICTED TO -
		SIZE A1	CAGE CODE C=1840882	
		CUSTOMER DRAWING		SCALE 5:1 SHEET 1 OF 2 REV E

Mouser Electronics

Authorized Distributor

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Bel:

[1840882-2](#)