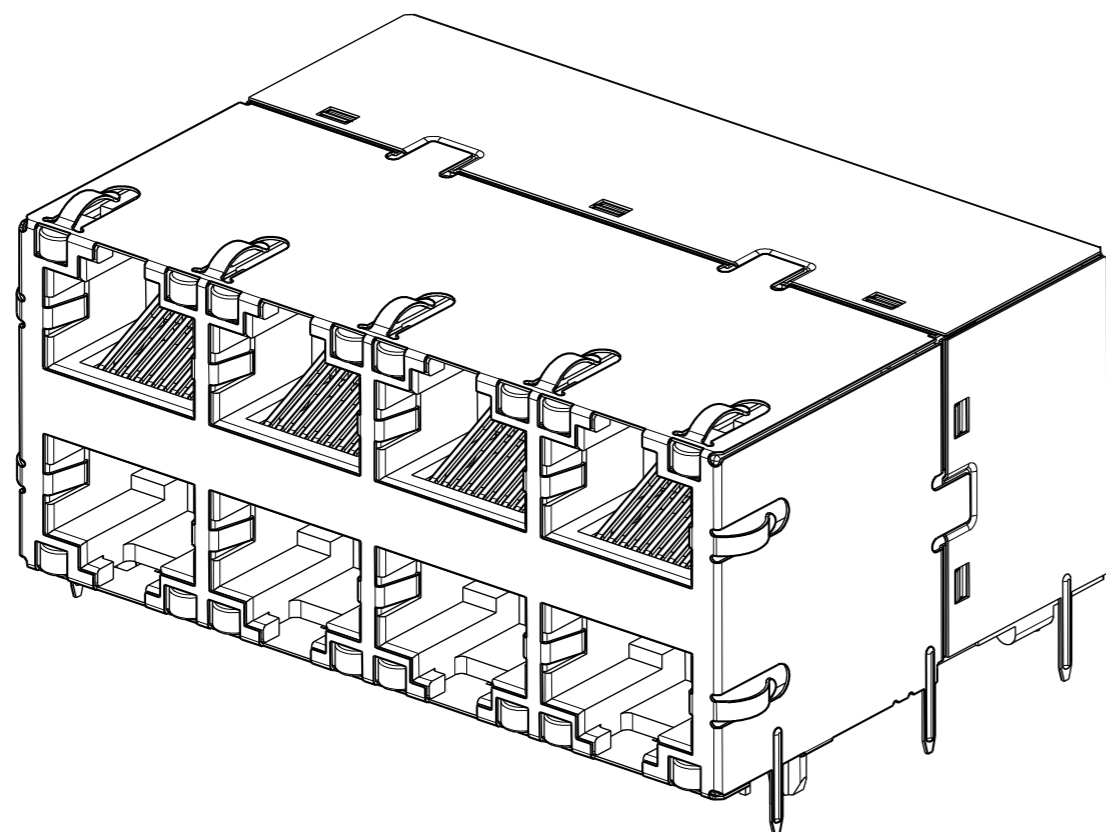


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

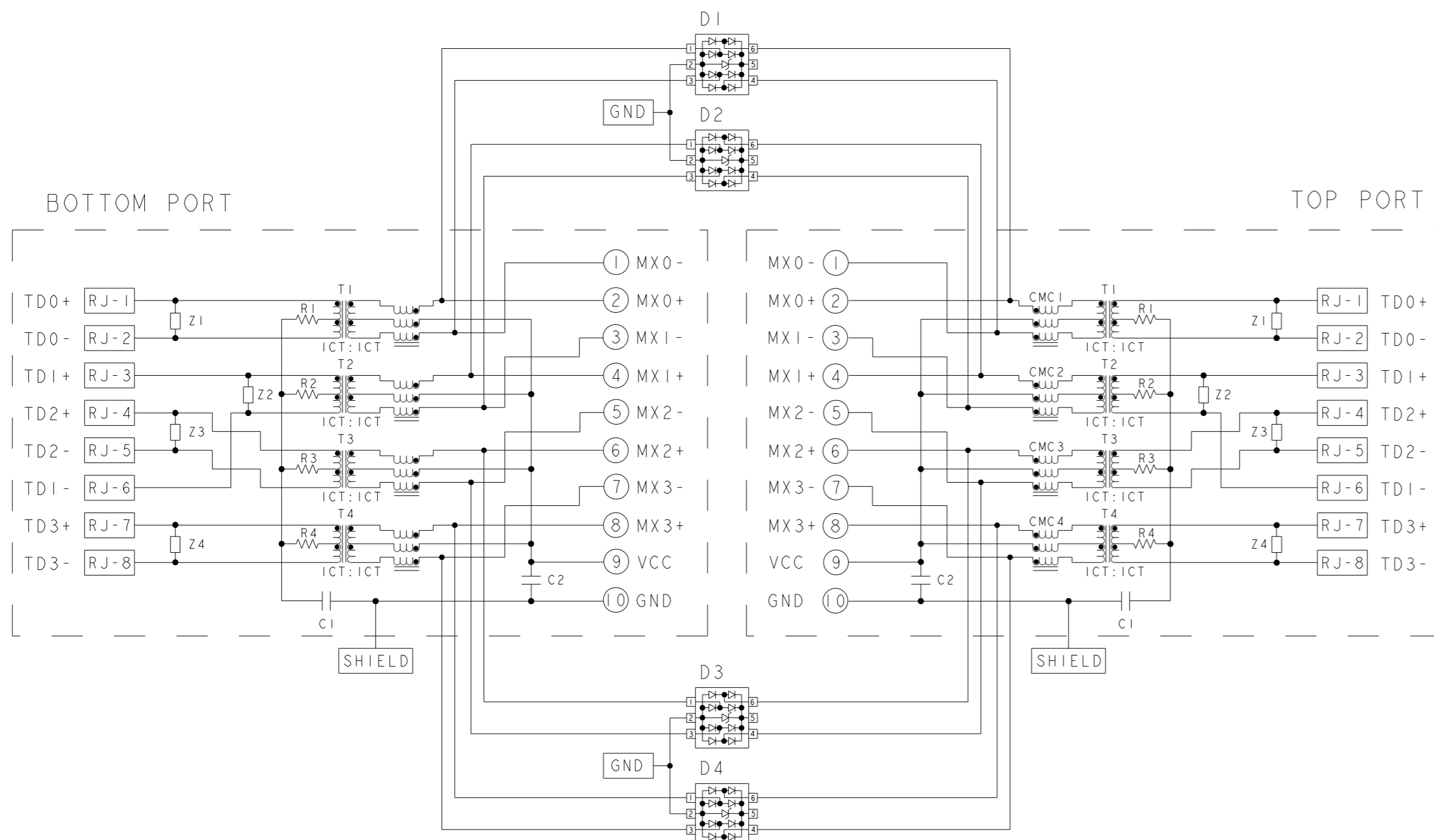
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
 5736910 5939955 6425781 6428361 6554638 6840817 7123117  
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
REV	DATE	DESCRIPTION	BY	CHK	APPV
C	05JAN2015	EC-1411035 COMPANY LOGO CHANGE	RL	TY	



- MATERIALS:**  
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,  
 POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,  
 CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE  
 WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE  
 AND 2.54um MIN MATTE TIN ON SOLDER TAILS.  
 LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED  
 ARE PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL  
 UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE. POST-PLATED WITH  
 2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP
- MAGNETICS:**  
 APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMPERATURE  
 IMPEDANCE: 100 OHMS  
 TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS  
 OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,  
 8mADC BIAS FROM -40°C TO +85°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 (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC  
 AND WITH ALL PORTS CONNECTED.
- PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN LOCATED IN APPROXIMATE AREA SHOWN  
 DATE CODE: YYWW WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK,  
 WITH SUNDAY =1
- TRP LOGO AND AGENCY APPROVAL LOGO ARE LOCATED  
 IN APPROXIMATE AREA SHOWN.
- OPERATING TEMP: FROM -40°C TO 85°C.
- RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE  
 GREATER THAN 5.08mm.
- LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA  
 LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
- THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C  
 FOR 10 SECONDS

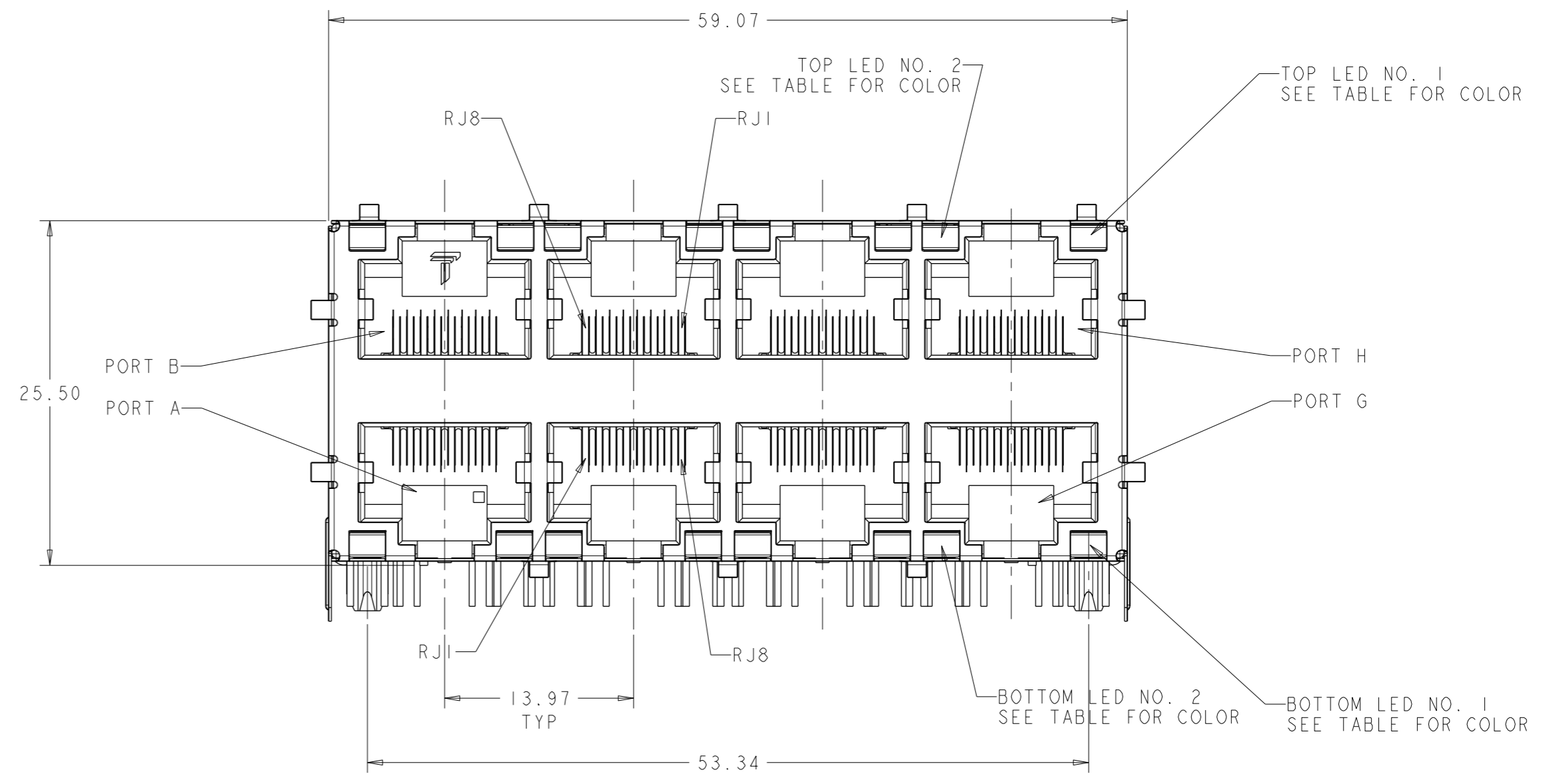
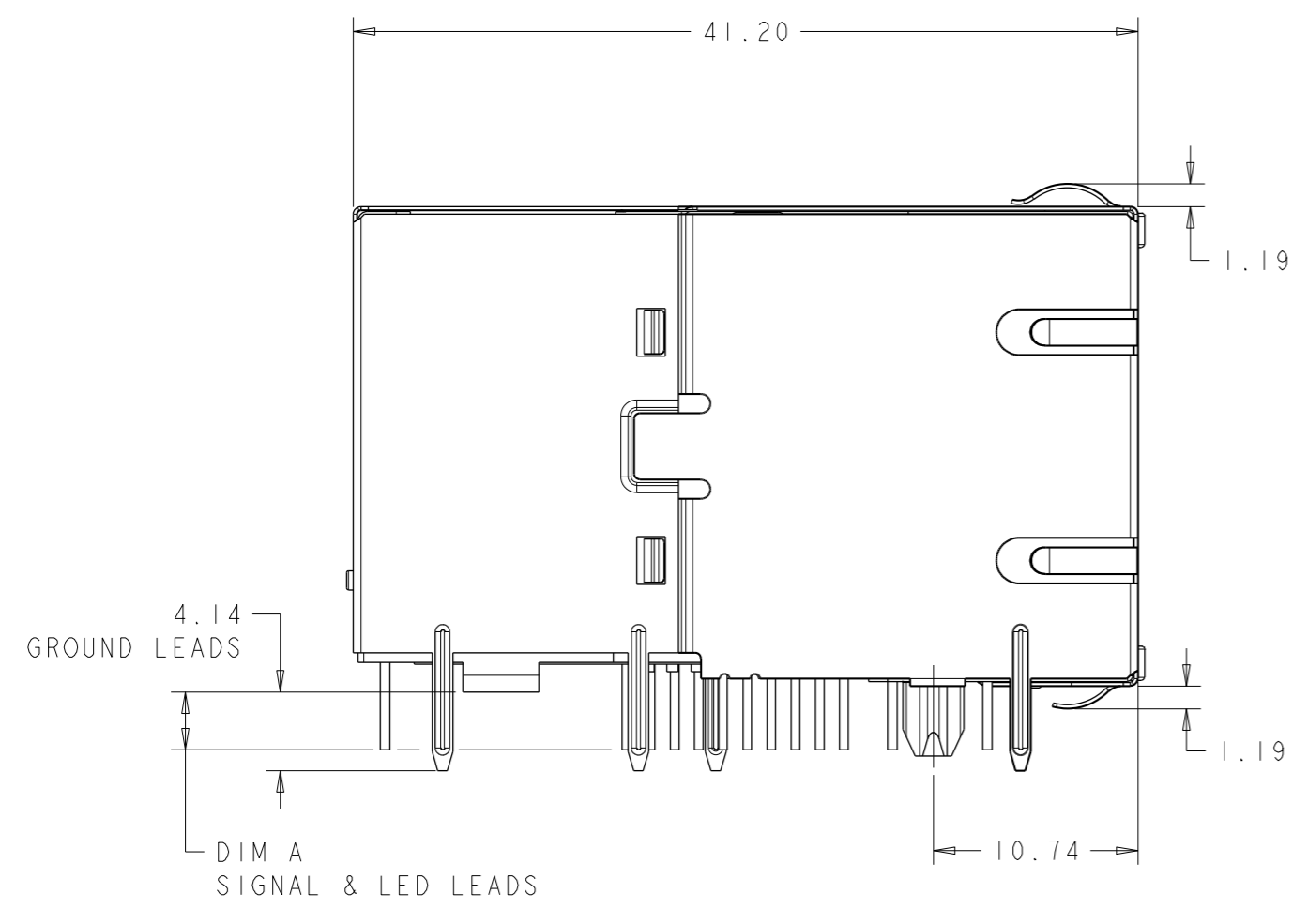
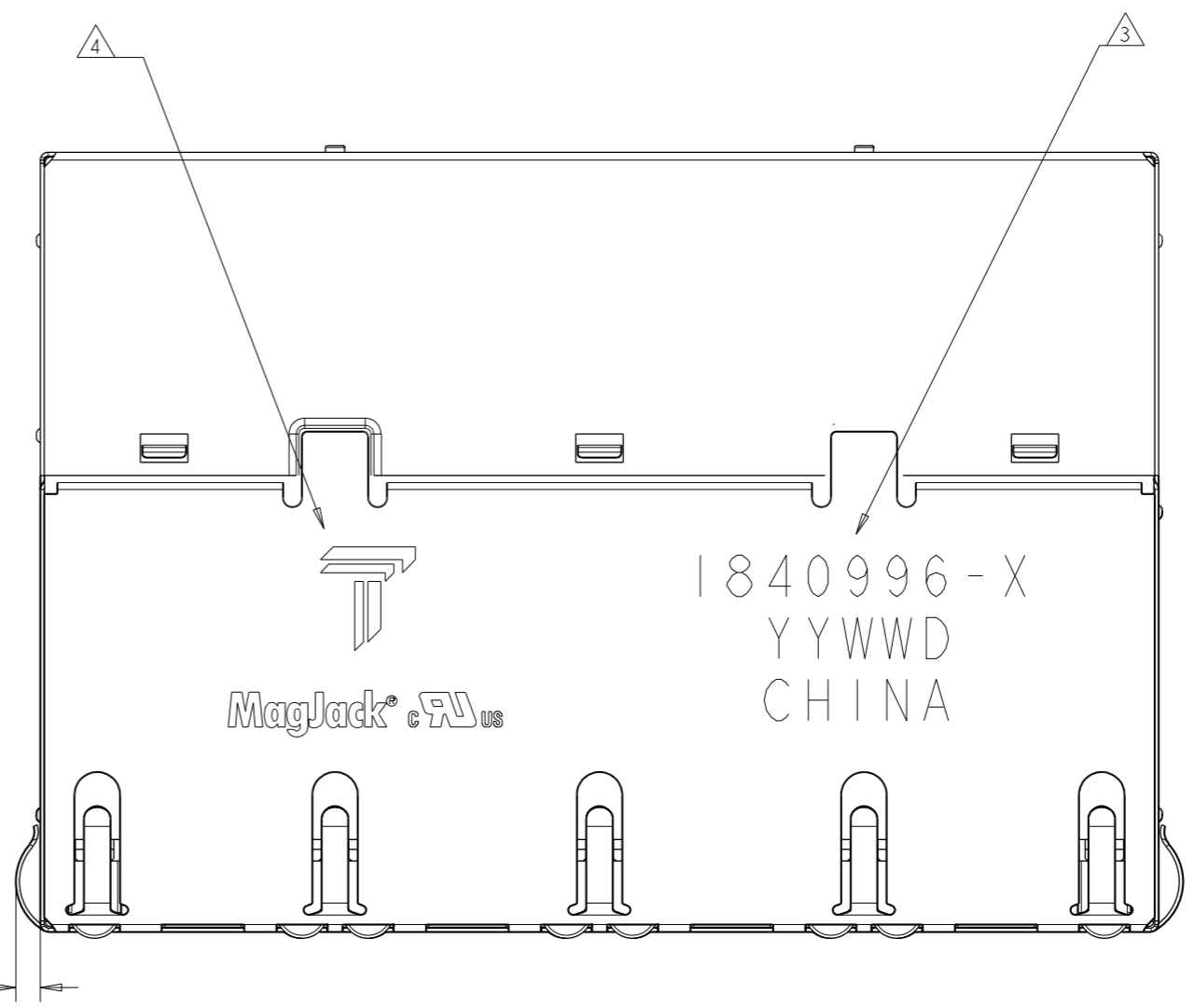
S8G87ET GIGABIT CIRCUIT



C1 = 1000pF, 2kV, DECOUPLING CAPACITOR  
 C2 = 22nF, 50V, CAPACITOR  
 R1-R4 = 75 Ohms, 1/16 W, RESISTORS  
 Z1-Z4 = 35V, ESD SUPPRESSORS  
 D1-D4 = 25V, ESD SUPPRESSORS

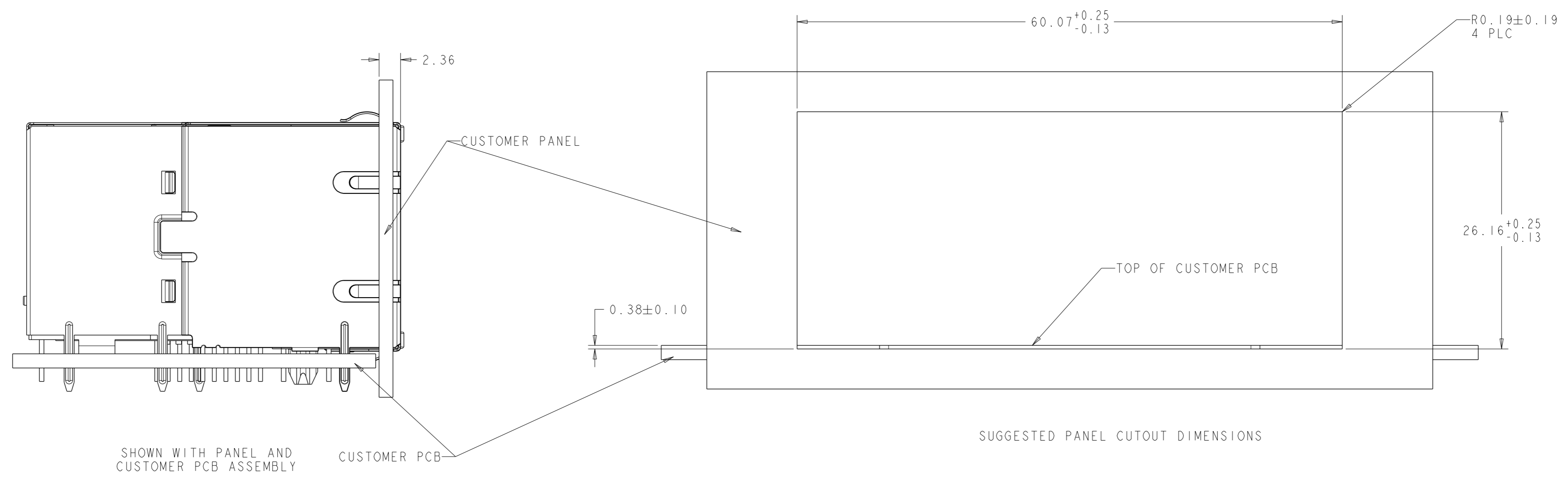
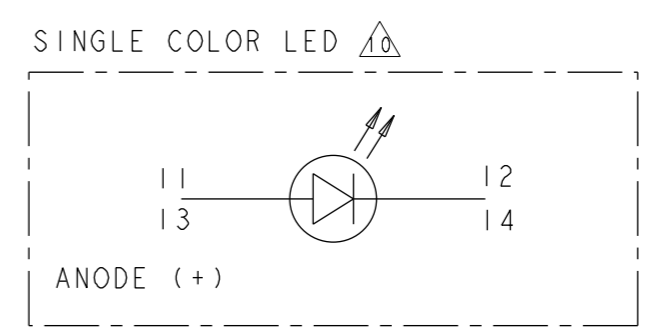
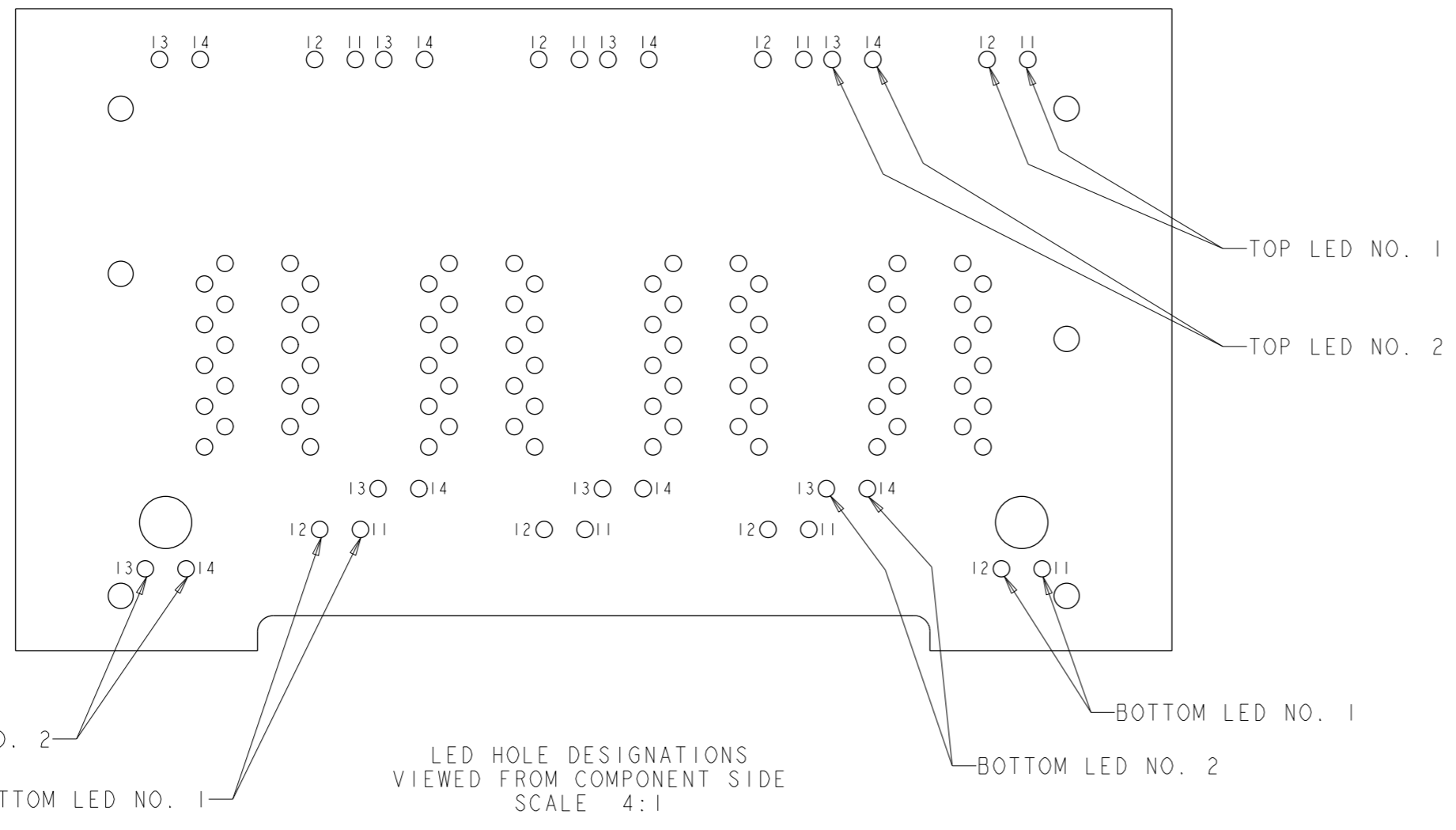
3.04	GREEN	GREEN	GREEN	GREEN	1840996-2
2.60	GREEN	GREEN	GREEN	GREEN	1840996-1
DIM A	BOTTOM LED NO. 2	BOTTOM LED NO. 1	TOP LED NO. 2	TOP LED NO. 1	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DNW RICK LI/LIU 11 31AUG2010	 <b>trp</b> CONNECTOR a bel group DONGGUAN CHINA
DIMENSIONS: mm		CHK TONY YUAN 31AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV KEITH ZHU 31AUG2010	DESC 2X4 S8G87ET GIGABIT CIRCUIT W/ LEDS
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC		MODEL NAME MAGJACK	RESTRICTED TO
PRODUCT SPEC 108-104004		SCALE A1	CAGE CODE 1840996
CUSTOMER DRAWING		SCALE NTS	SHEET 1 OF 4 REV C



THIS DRAWING IS A CONTROLLED DOCUMENT.		DNW: RICK LI/LIU 31AUG2010	 <b>TRP CONNECTOR</b> a bel group	DONGGUAN CHINA	
DIMENSIONS: mm		CHK: TONY YUAN 31AUG2010		DESC: 2X4 S8G87E1 GIGABIT CIRCUIT W/ LEDS	RESTRICTED TO
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: KEITH ZHU 31AUG2010		SIZE: A1	SCALE: NTS
0 PLC	±0.25	MODEL NAME: MAGJACK	DRAWING NO: C=1840996	SHEET 2 OF 4	
1 PLC	±0.25	PRODUCT SPEC: 108-104004	APPLICATION SPEC: -	REV C	
2 PLC	±0.25	CUSTOMER DRAWING			
3 PLC	±				
4 PLC	±				
ANGLES	±				
APPLICATION SPEC	-				





THIS DRAWING IS A CONTROLLED DOCUMENT.		DW: RICK LI/LIU 31AUG2010			DONGGUAN CHINA
DIMENSIONS: mm		CHK: TONY YUAN 31AUG2010			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: KEITH ZHU 31AUG2010		DESC: 2X4 S8G87ET GIGABIT CIRCUIT W/ LEDS	
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ±		MODEL NAME: MAGJACK		SIZE: A1	
PRODUCT SPEC: 108-104004		APPLICATION SPEC: -		CAGE CODE: 1840996	
		CUSTOMER DRAWING		SCALE: NTS SHEET 4 OF 4 REV C	