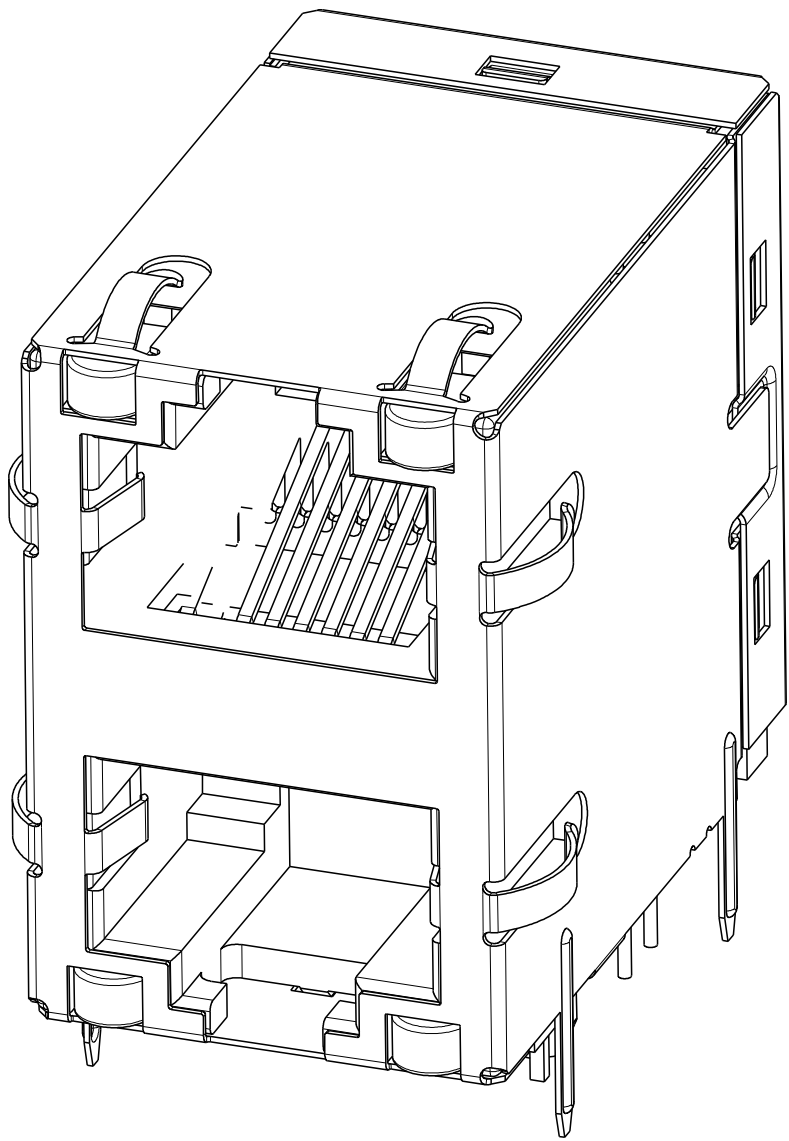
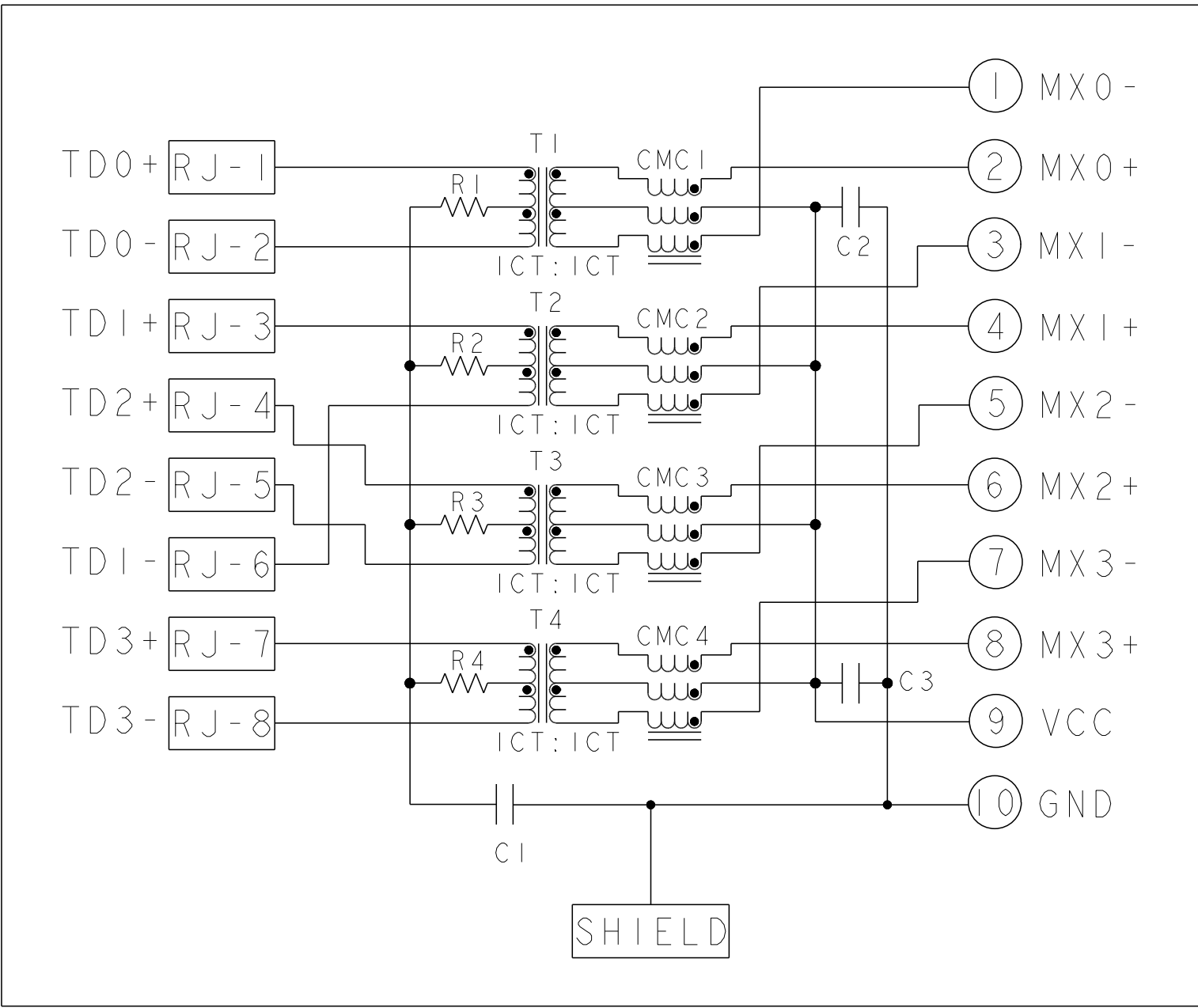




S8G56ET GIGABIT CIRCUIT△△
TOP AND BOTTOM PORTS



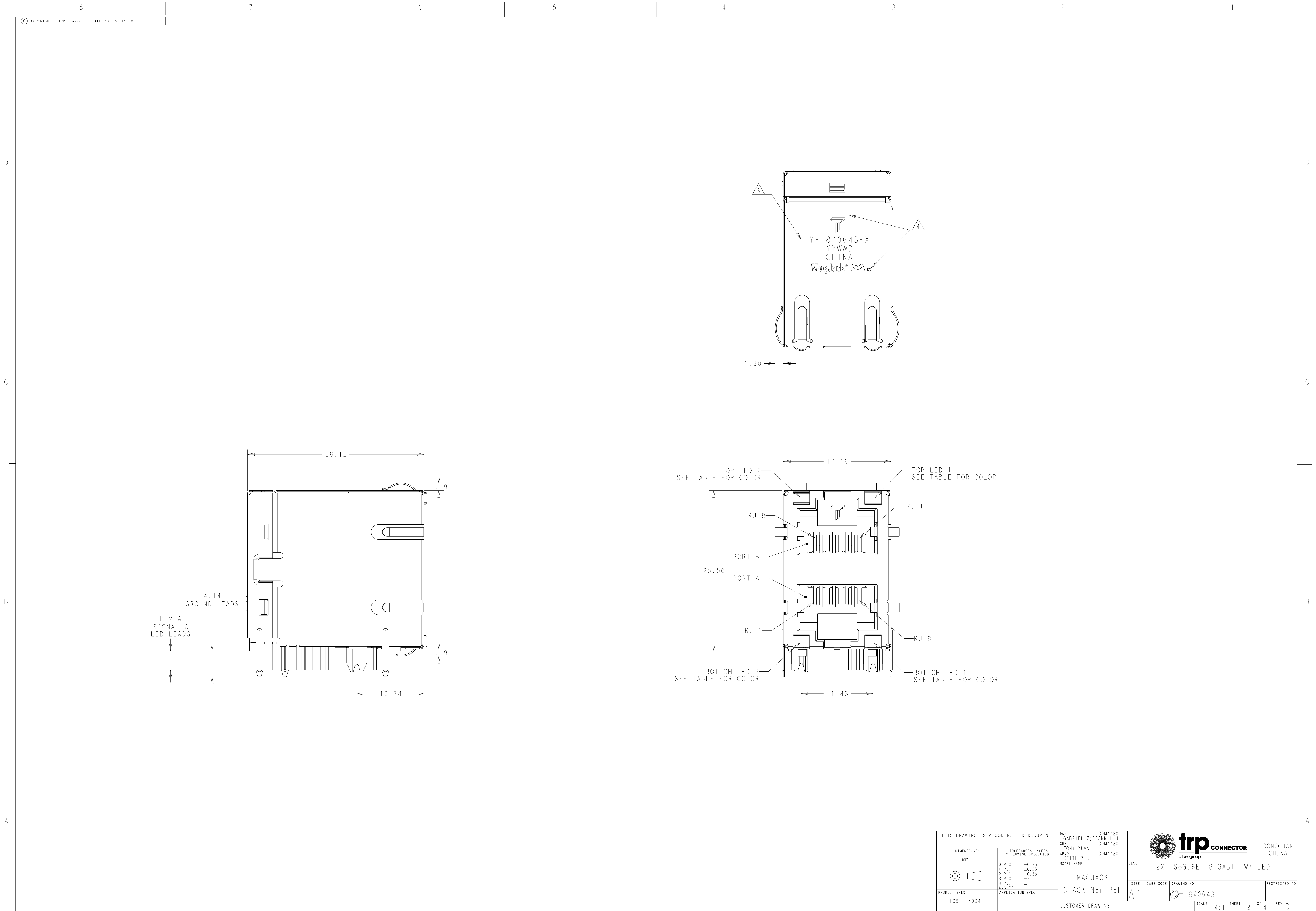
C1 = 1000pF, 2kV CAPACITOR
C2 - C3 = 10nF, 50V CAPACITORS
R1-R4 = 75 Ohms, 1/16 W, RESISTORS

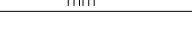
- I. MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE
AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
- △2 MAGNETICS
APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMP
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

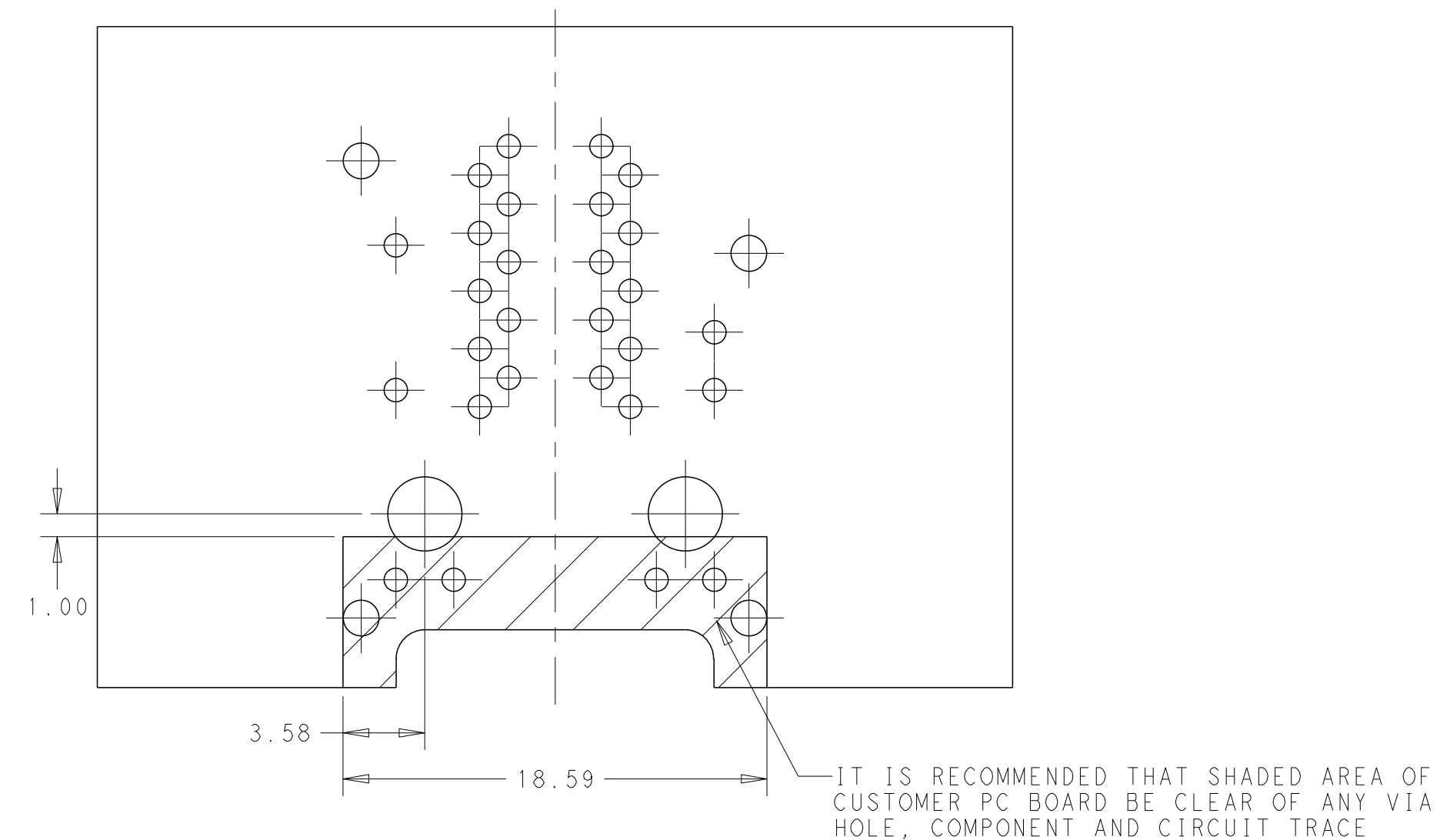
ALL FOUR PAIRS BI-DIRECTIONAL
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE 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
- △3 PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED
IN APPROXIMATE AREA SHOWN.DATE CODE: "YY" IS YEAR, "WW" IS
WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1
- △4 TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE
LOCATED IN APPROXIMATE AREA SHOWN.
5. OPERATING TEMP: FROM -40°C TO +85°C.
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- △8 DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- △9 BASIC 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
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1-1840643-4
3.04	GREEN	YELLOW	GREEN	YELLOW	1-1840643-3
2.50	GREEN	YELLOW	GREEN	YELLOW	1840643-3
DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN GABRIEL Z.FRANK LIU 30MAY2011	 trp CONNECTOR a bel group	DONGGUAN CHINA		
DIMENSIONS: mm		CHK TONY YUAN 30MAY2011				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 30MAY2011				
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±°		MODEL NAME MAGJACK	DESC 2X1 S8G56ET GIGABIT W/ LED			
PRODUCT SPEC 108-104004		APPLICATION SPEC -	SIZE A1		CAGE CODE DRAWING NO C=1840643	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 4:1			SHEET 1 OF 4	REV D



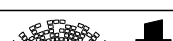
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWG: 30MAY2011 GABRIEL Z, FRANK LIU		 DONGGUAN CHINA	
				CHK: 30MAY2011 TONY YUAN			
				APVD: 30MAY2011 KEITH ZHU		MODEL NAME	
				MAGJACK		DESC: 2X1 S8G56ET GIGABIT W/ LED	
DIMENSIONS:				TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE	
mm				0 PLC ±0.25		CAGE CODE	
				1 PLC ±0.25		DRAWING NO	
				2 PLC ±0.25		RESTRICTED TO	
				3 PLC ±		A 1	
				4 PLC ±		C=1840643	
PRODUCT SPEC				ANGLES ±		SCALE	
APPLICATION SPEC				-		SHEET 2 OF 4	
108-104004						REV D	
				CUSTOMER DRAWING			

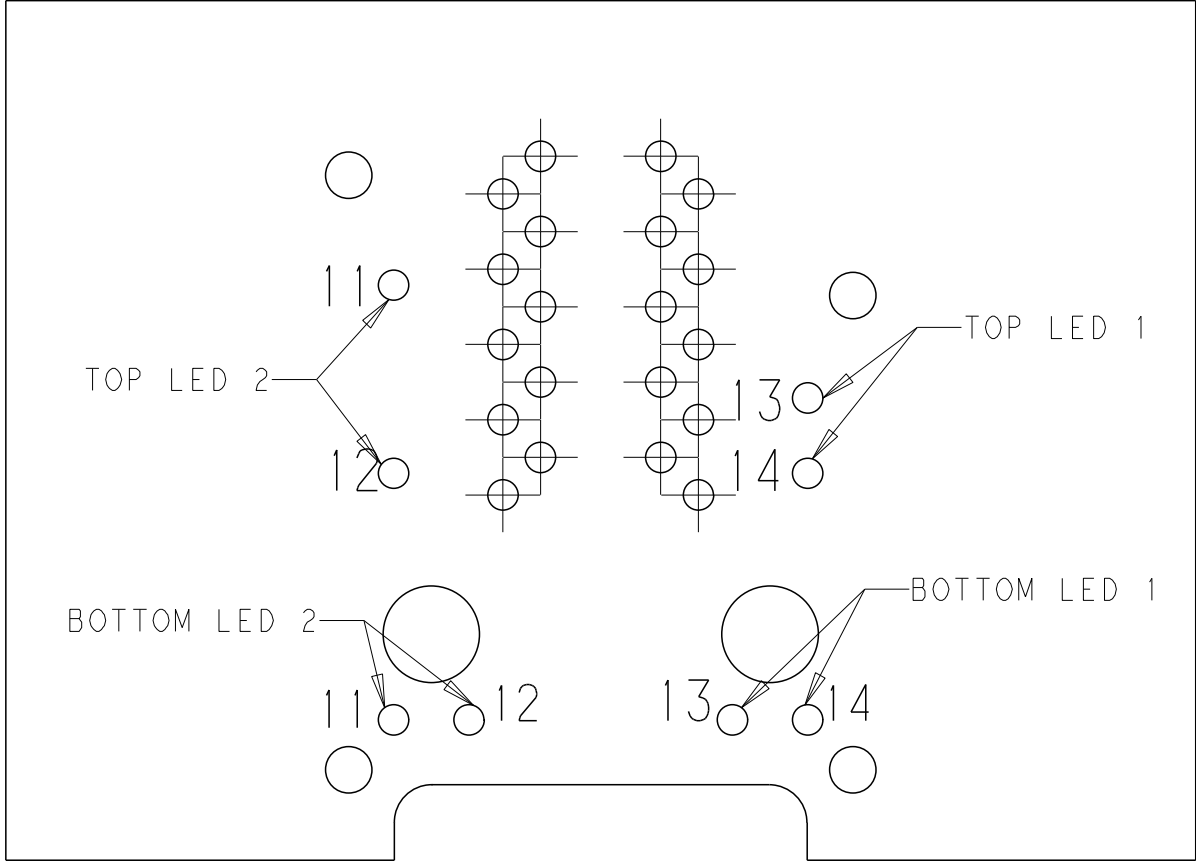


DETAIL A
SCALE 8:1

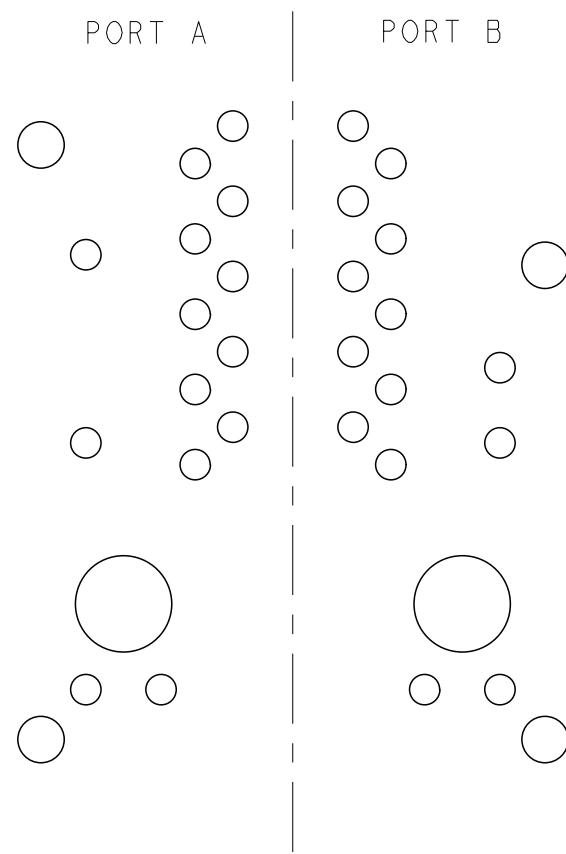


SUGGESTED PANEL CUTOUT DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GABRIEL Z. FRANK LUI 30MAY2111		 trp CONNECTOR a bel group		DONGGUANG CHINA				
DIMENSIONS: mm		CWF TONY YUAN 30MAY2111				DESC 2X1 S8G56ET GIGABIT W/ LED	SIZE A1	CAGE CODE C-1840643	DRAWING NO 	RESTRICTED -
TOLERANCES UNLESS OTHERWISE SPECIFIED: mm		APVO KEITH ZHU 30MAY2111								
		MODEL NAME MAGJACK								
PRODUCT SPEC 108-104004		APPLICATION SPEC -		STACK Non-PoE						
				CUSTOMER DRAWING		SCALE 4:1		SHEET 3 OF 4		
								REV		

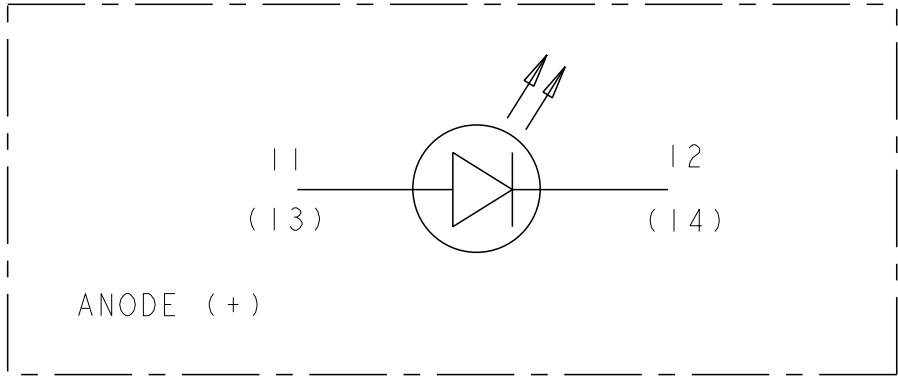


LED HOLE DESIGNATIONS
VIEWED FROM COMPONENT SIDE

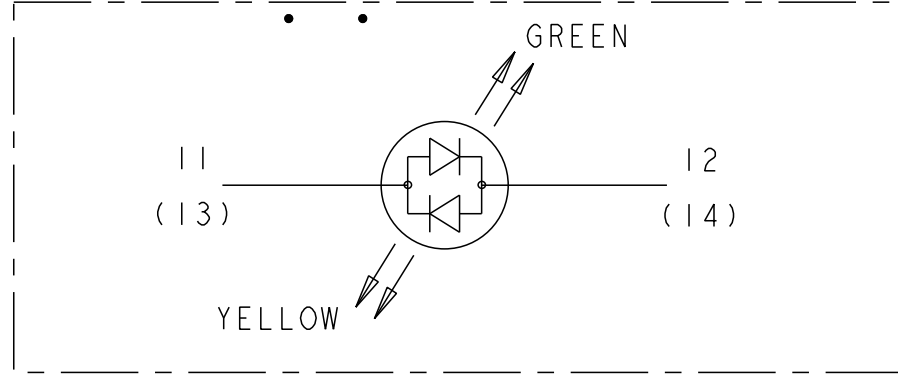


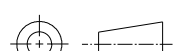
PORT ASSIGNMENT
COMPONENT SIDE VIEW

SINGLE COLOR LED



BI-COLOR LED



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW GABRIEL Z,FRANK LIU 30MAY2011		 trp a bel group	DONGGUAN CHINA
DIMENSIONS: mm		CHK TONY YUAN 30MAY2011			
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±		APVD KEITH ZHU 30MAY2011	MODEL NAME MAGJACK	DESC 2XI S8G56ET GIGABIT W/ LED
	PRODUCT SPEC 108-104004			STACK Non-PoE	
CUSTOMER DRAWING		SIZE A 1	CAGE CODE C=1840643	DRAWING NO -	
		SCALE 4:1		SHEET 4	OF 4
				REV D	