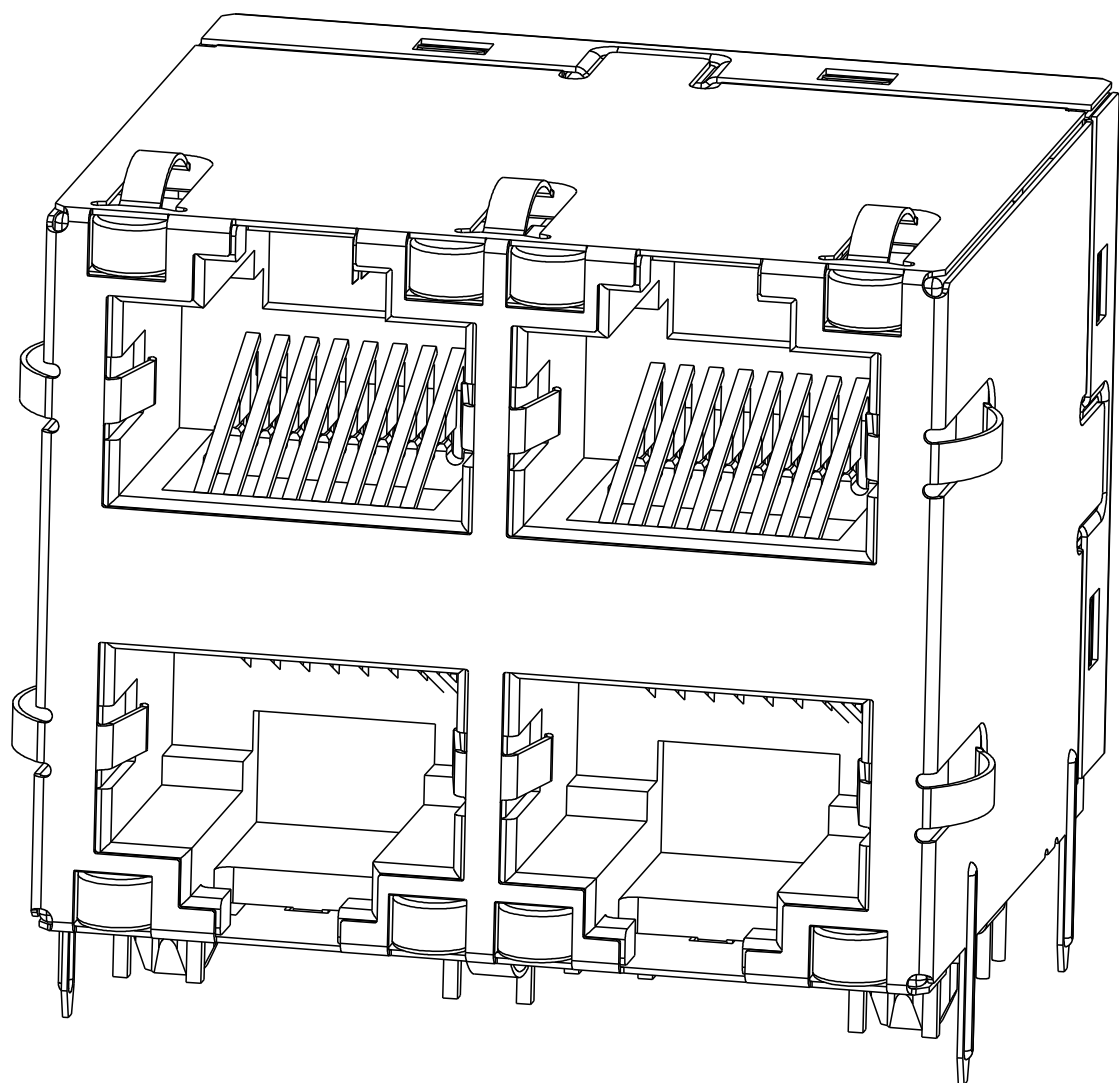
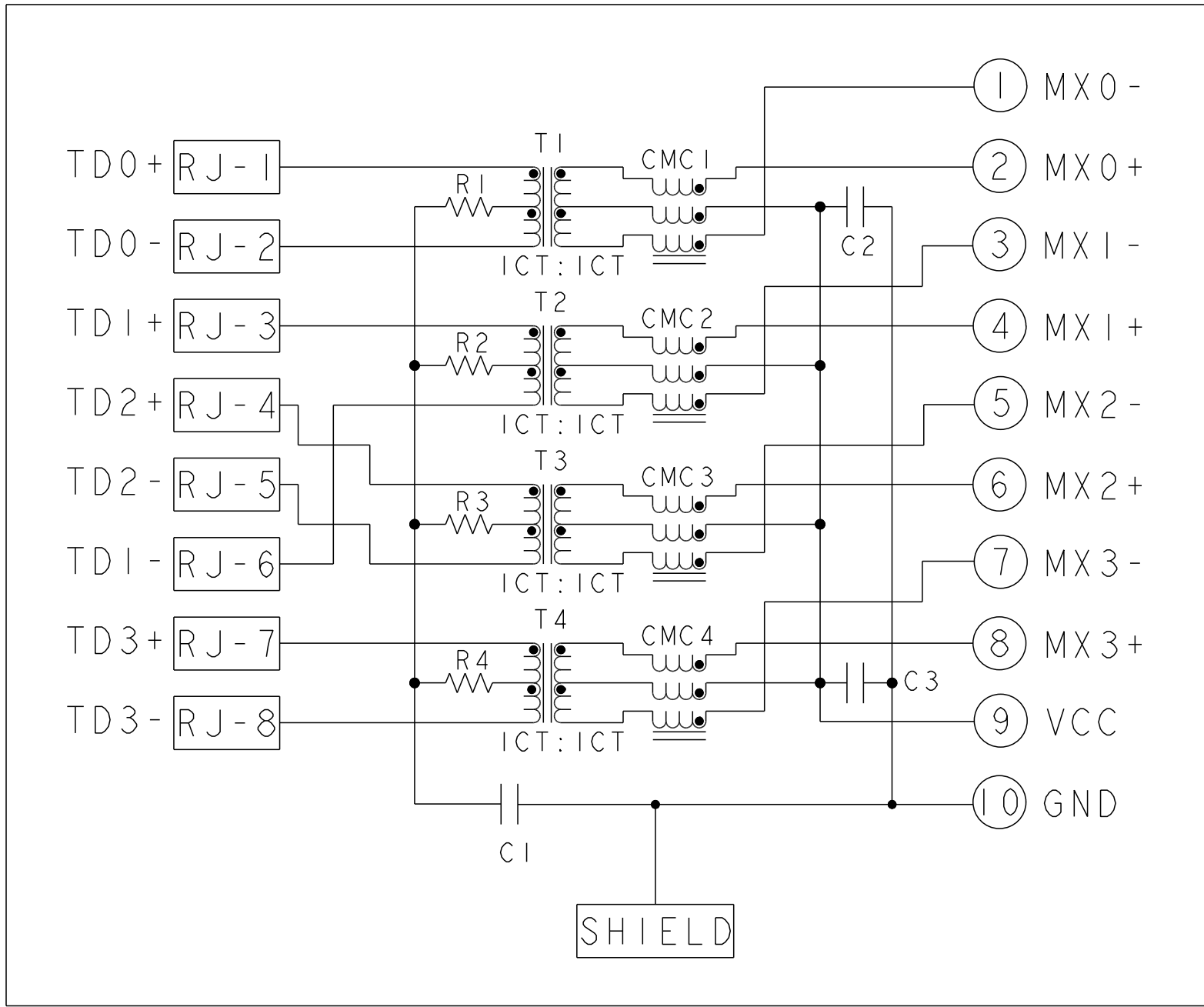




S8G56 GIGABIT CIRCUIT△△
TOP AND BOTTOM PORTS



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

1. 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 OR PURE TIN SOLDER ON SOLDER TAILS
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECTED 1.27um MIN GOLD OR WITH SELECT 0.05um MIN GOLD OVER 0.76um MIN PALLADIUM-NICKEL 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
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(MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.

- △ 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

- △ TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN APPROXIMATE AREA SHOWN.

5. OPERATING TEMP: FROM 0°C TO +70°C.
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.

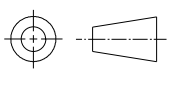
- △ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

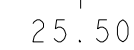
- △ BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE GREATER THAN 5.08mm.

- △ 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=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA

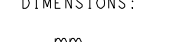
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

4.06	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1-1840697-4
3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840697-4
3.04	GREEN	YELLOW	GREEN	YELLOW	1840697-3
3.04	GREEN	GREEN	GREEN	GREEN	1840697-1
DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN TOMMY REN/EVAN MA 08MAR2012	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		CHK TONY YUAN 08MAR2012				
		APVD KEITH ZHU 08MAR2012	MODEL NAME MAGJACK		DESC 2X2 S8G56 GIGABIT W/ LED	
PRODUCT SPEC 108-104004		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES	APPLICATION SPEC		SIZE A1	CAGE CODE C=1840697
		CUSTOMER DRAWING		DRAWING NO	RESTRICTED TO	SCALE 4:1
				SHEET 1	OF 4	REV E



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 08MAR2012 TONY REN/EVAN MA CHN 08MAR2012 TONY YUAN APD 08MAR2012 KEITH ZHU MODEL NAME		 trp CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: D P L C ±0.25 1 P L C ±0.25 2 P L C ±0.25 3 P L C ± 4 P L C ± ANGLES ± APPLICATION SPEC ±		DESC 2X2 S8G56 GIGABIT W/ L D SIZE A1 CASE CODE DRAWING NO. C-1840697 RESTRICTED TO -	
PRODUCT SPEC 108-104004 -		CUSTOMER DRAWING		SCALE 4:1 SHEET 2 OF REV F	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TOMMY REN/EVAN MA CHK KEITH YUAN APVD KEITH ZHU		08MAR2012 08MAR2012 08MAR2012		 trp a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME MAGJACK STACK Non-PoE		DESC 2X2 S8G56 GIGABIT W/ LED		SIZE A1	
		0 P L C ±0.25 1 P L C ±0.25 2 P L C ±0.25 3 P L C ±0.25 4 P L C ±0.25 ANGLES ±°		DRAWING NO C-1840697		RESTRICTED F		SCALE 4:1	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		CUSTOMER DRAWING		SHEET 3		OF 4	

