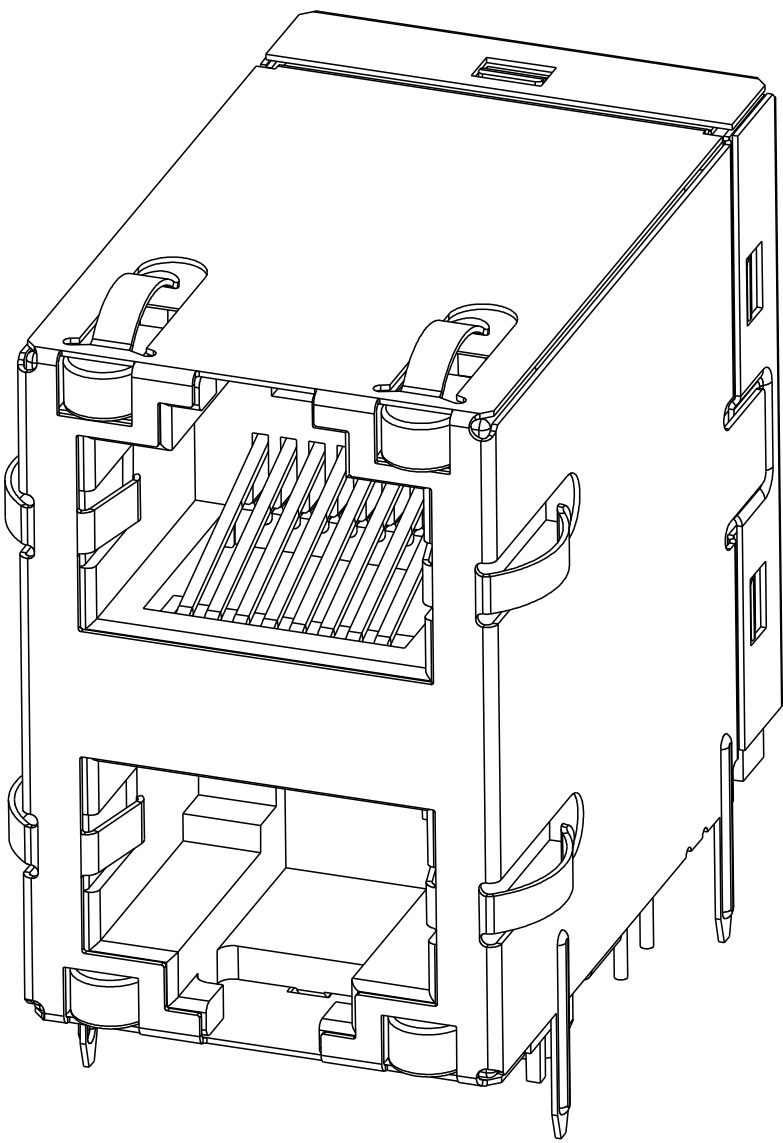
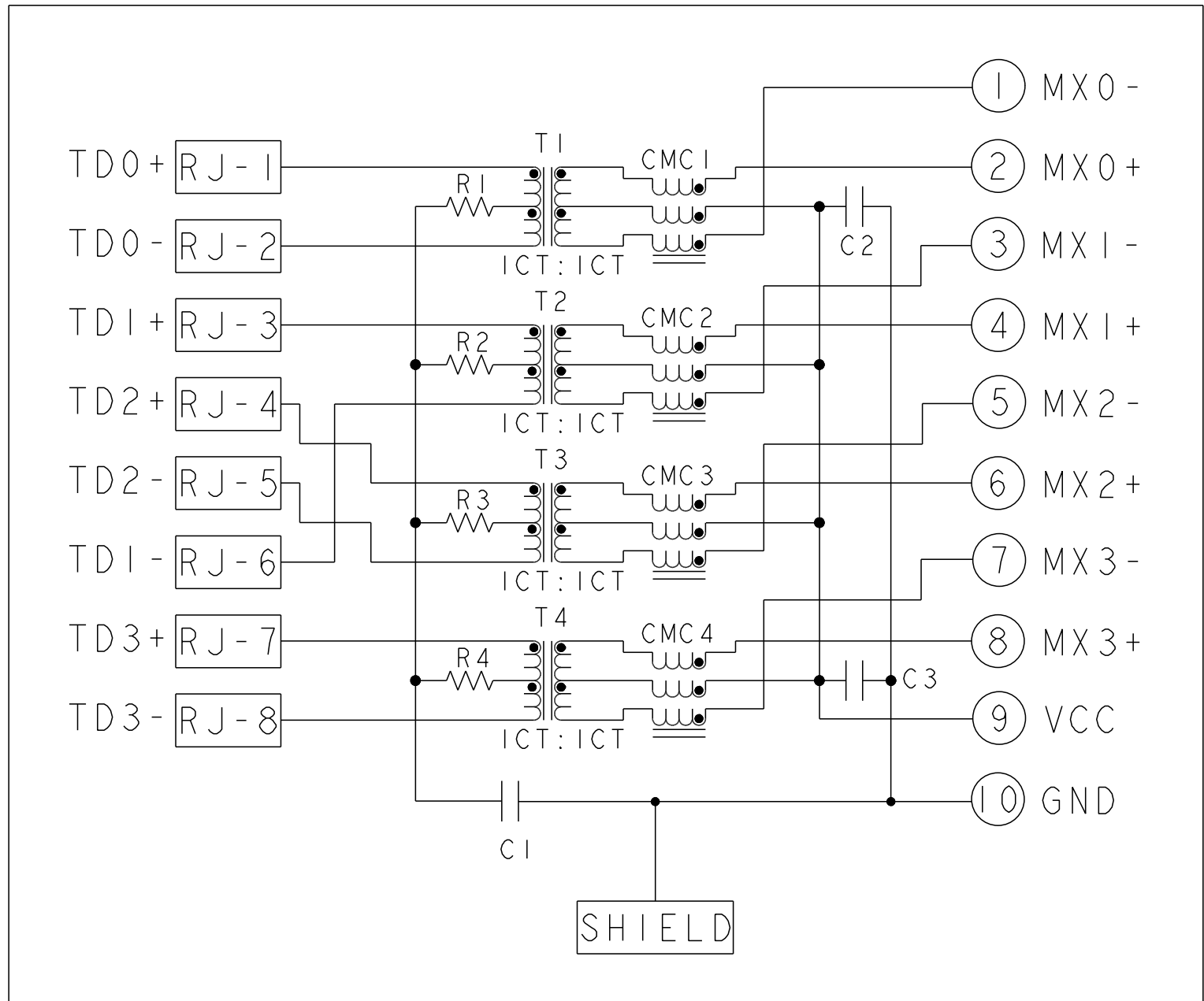




S8G56 GIGABIT CIRCUIT
TOP AND BOTTOM PORTS

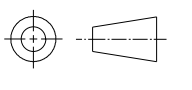


C1 = 1000pF, 2kV CAPACITOR
C2 - C3 = 10nF, 50V CAPACITORS
R1-R4 = 75 Ohms, 1/16 W, RESISTORS

- 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 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.
ALL PC BOARDS: HIGH TEMPERATURE PCB,TG>170°C
- ⚠ 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

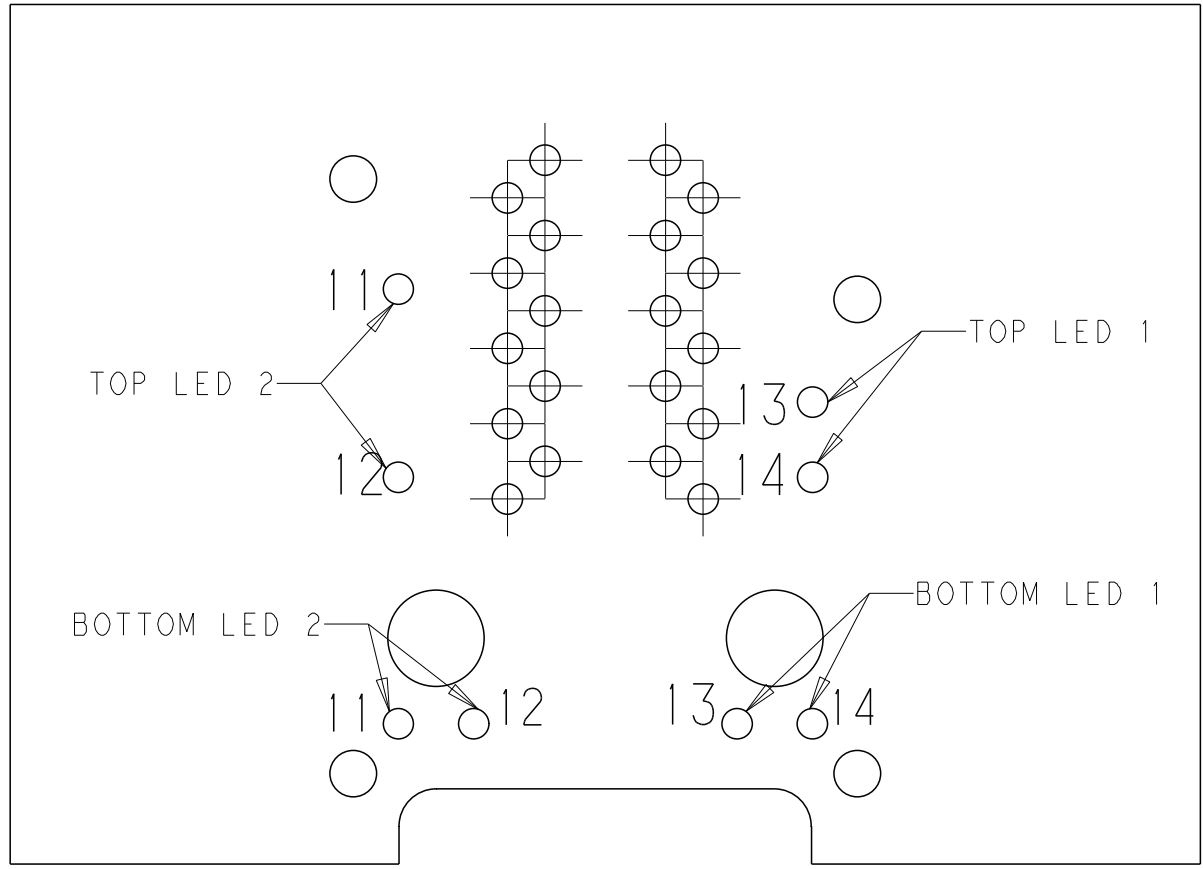
ALL FOUR PAIRS BI-DIRECTIONAL
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE 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
DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA
- II. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

2.27	STANDARD SEE SHEET 4	GREEN	YELLOW	GREEN	YELLOW	2-1840689-3
3.56	STANDARD SEE SHEET 4	GREEN/YELLOW	GREEN	GREEN	GREEN/YELLOW	1-1840689-9
3.56	SPECIAL SEE SHEET 4	YELLOW	GREEN	GREEN	YELLOW	1-1840689-2
3.04	STANDARD SEE SHEET 4	GREEN/YELLOW	GREEN	GREEN/YELLOW	GREEN	1840689-5
3.04	STANDARD SEE SHEET 4	GREEN	GREEN/ORANGE	GREEN	GREEN/ORANGE	1840689-6
3.04	STANDARD SEE SHEET 4	GREEN	YELLOW	GREEN	YELLOW	1840689-3
DIM A	LED POLARITY	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

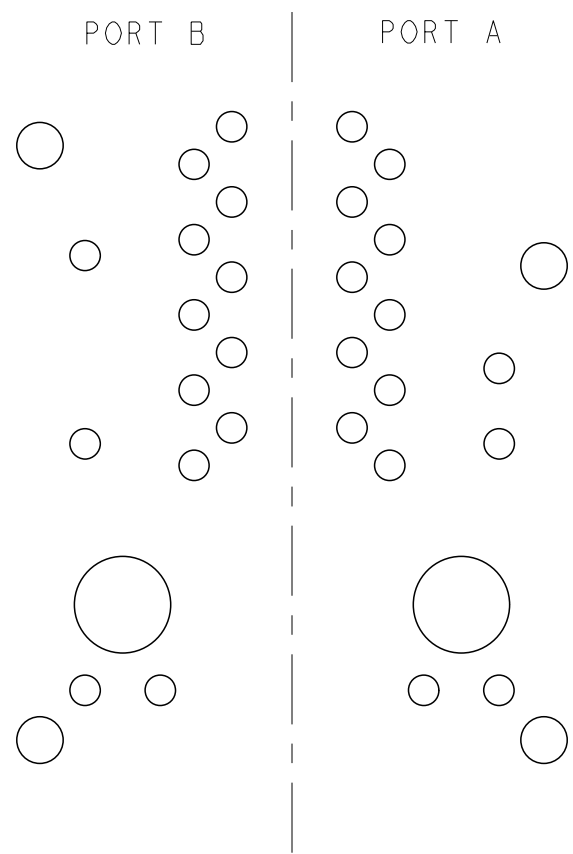
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN GABRIEL Z/TERRY LIN 07JAN2012	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		CHK TONY YUAN 07JAN2012				
		APVD KEITH ZHU 07JAN2012	MODEL NAME MAGJACK STACK Non-PoE		DESC 2XI S8G56 GIGABIT W/ LED	RESTRICTED TO -
PRODUCT SPEC 108-104004		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES APPLICATION SPEC ±	SIZE A1		DRAWING NO C=1840689	
CUSTOMER DRAWING				SCALE 4:1	SHEET 1	OF 4
				REV G		



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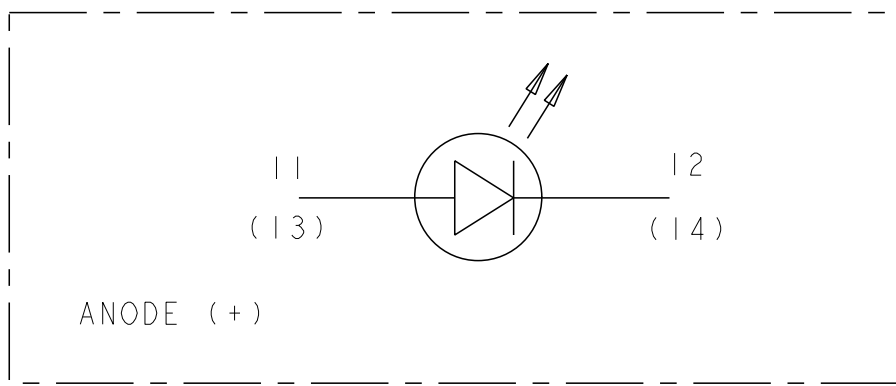
LED HOLE DESIGNATIONS
VIEWED FROM COMPONENT SIDE



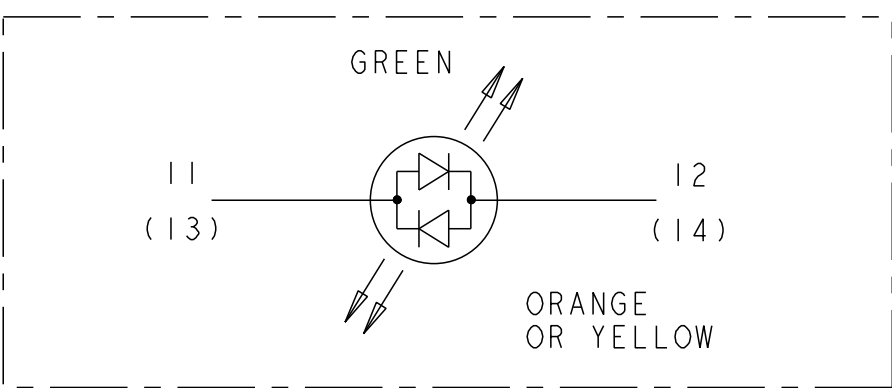
PORT ASSIGNMENT
COMPONENT SIDE VIEW

STANDARD LED POLARITY

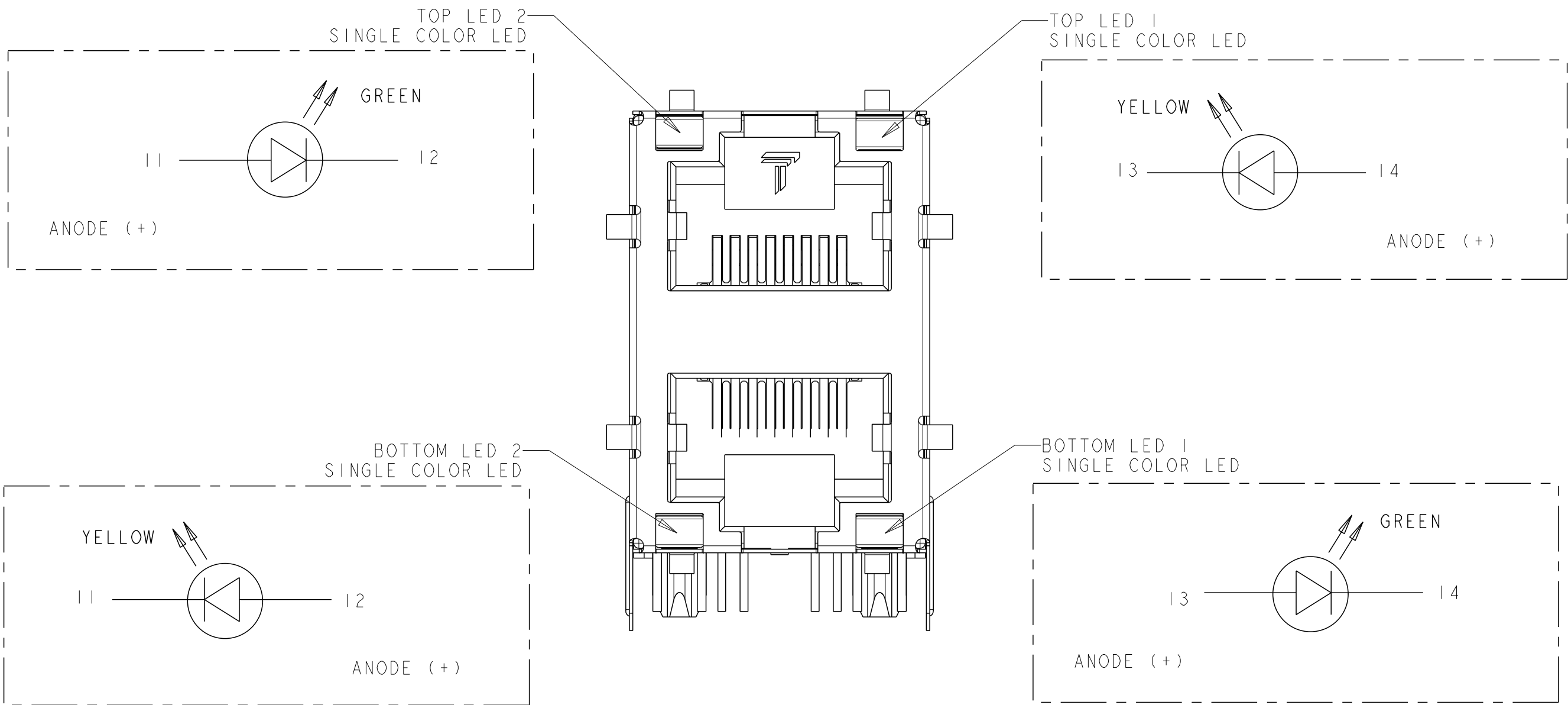
SINGLE COLOR LED



BI-COLOR LED



LED POLARITY
FOR 1-1840689-2 ONLY



THIS DRAWING IS A CONTROLLED DOCUMENT.				DWG 07JAN2012 GABRIEL Z/TERRY LIN		 trp CONNECTOR a bel group		DONGGUAN CHINA	
				CHK 07JAN2012 TONY YUAN					
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 07JAN2012 KEITH ZHU		MODEL NAME		DESC	
mm						MAGJACK		2X1 S8G56 GIGABIT W/ LED	