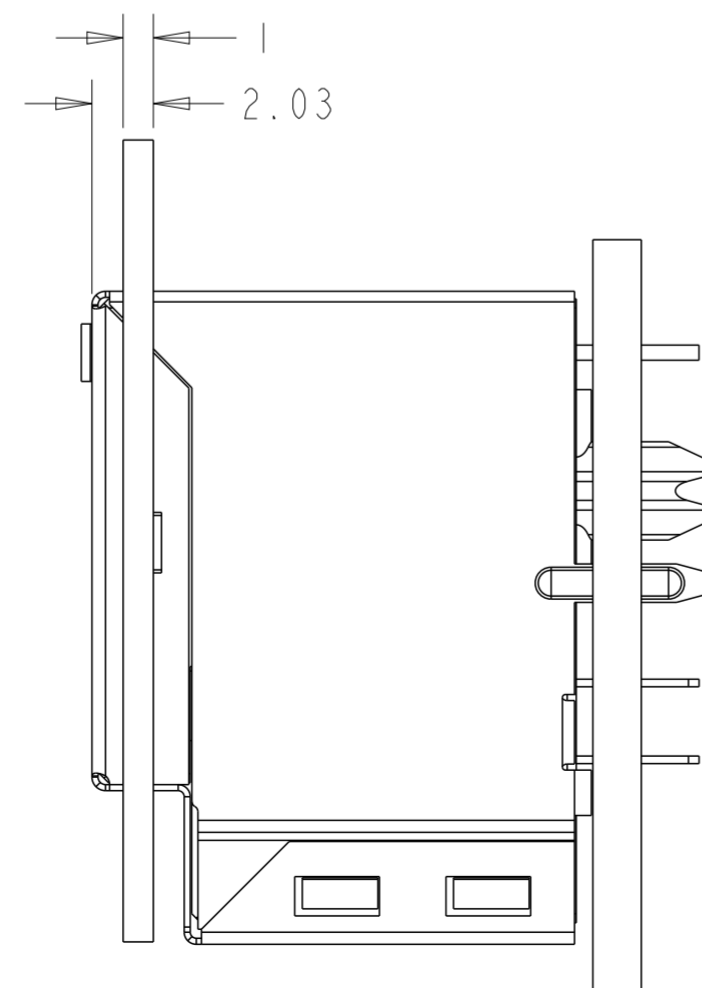
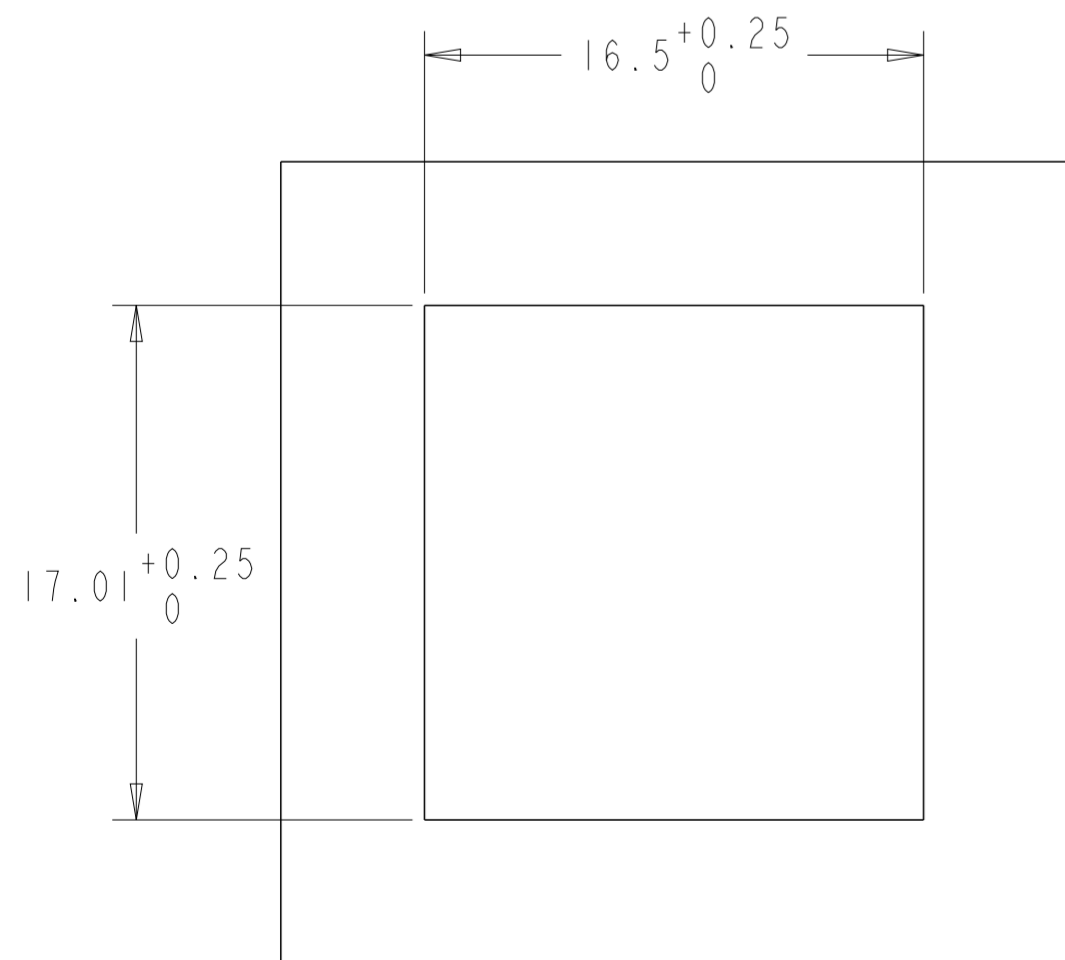
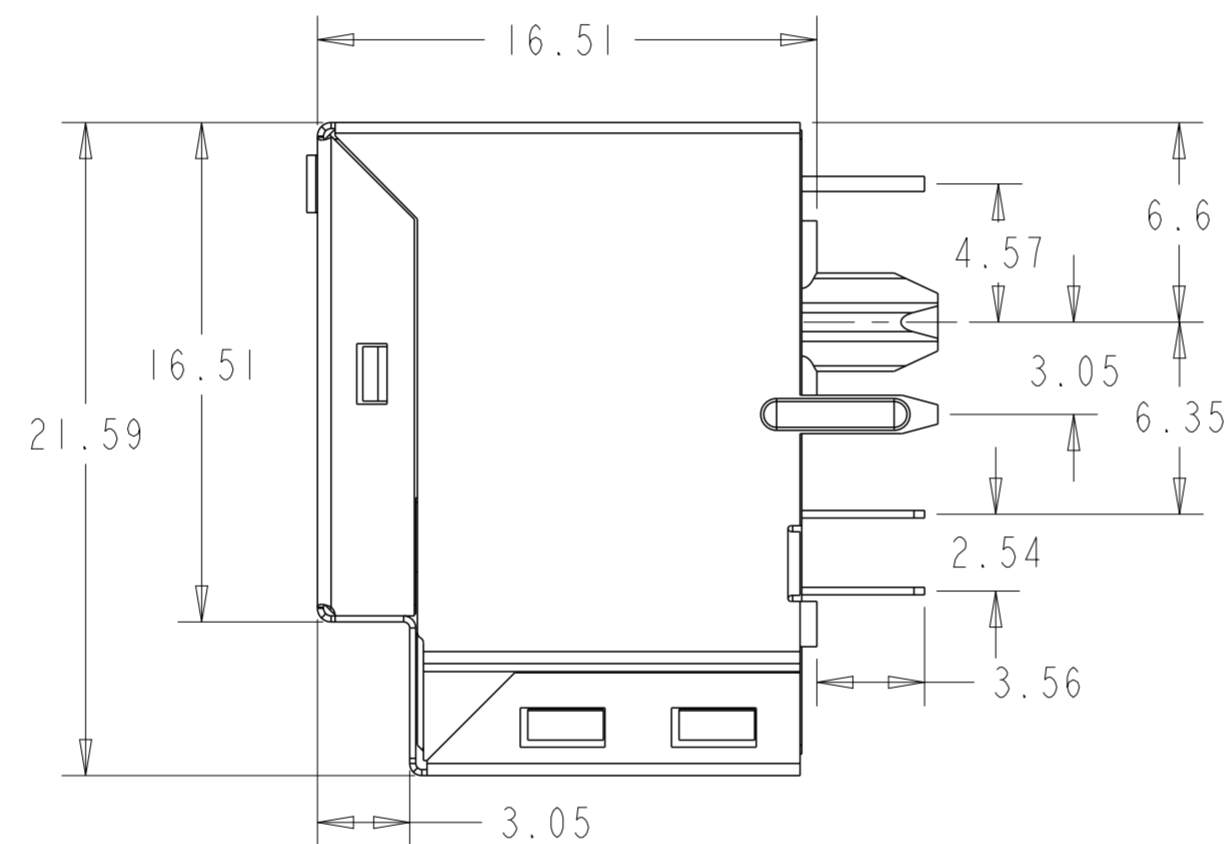
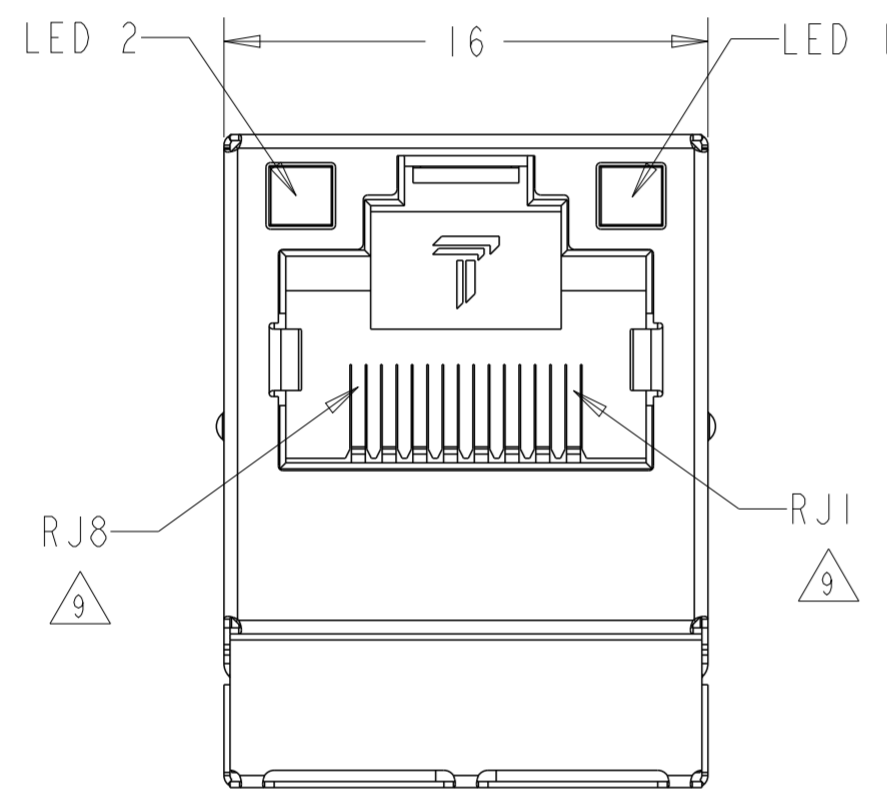
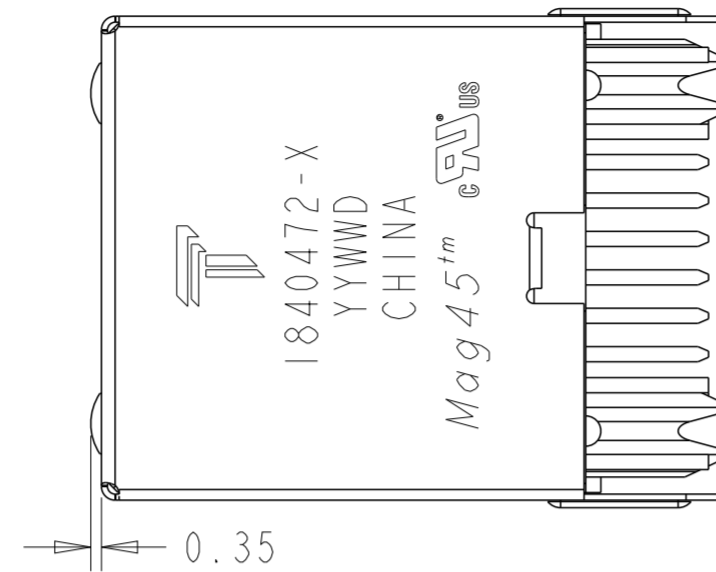
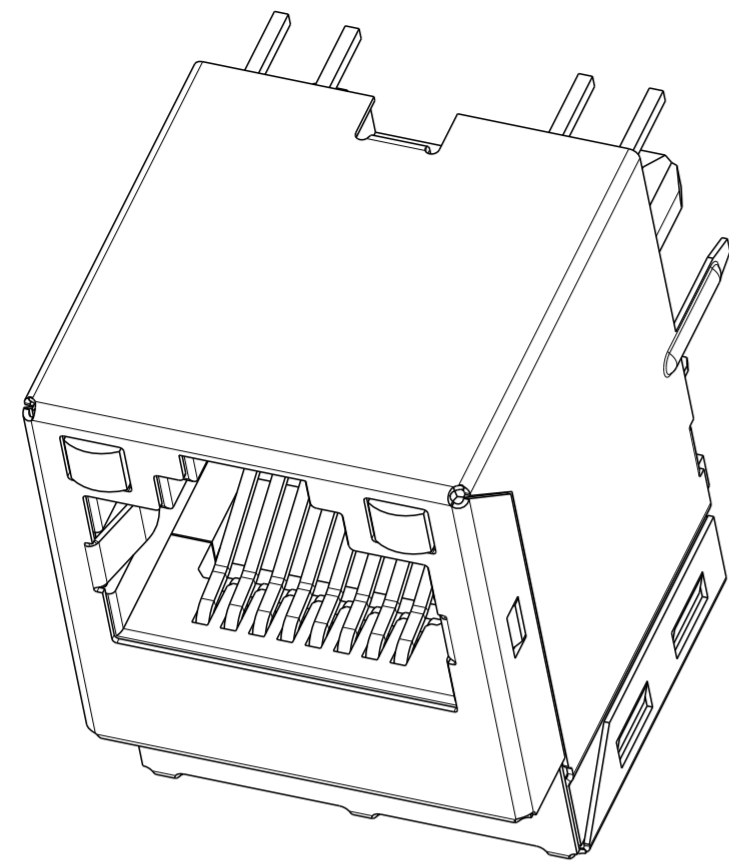


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
F		LOGO CHANGE	07APR2013	PP	KZ



1. MATERIALS

HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0  
 SHIELD: BRASS, 0.20mm THICK, PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.  
 CONTACT: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE  
 SOLDER TAIL: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND PLATED WITH 2.54um MIN TIN  
 LED: DIFFUSED EPOXY LENS, 0.50mm SQUARE CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL OVER 1.02um MIN COPPER UNDERPLATE POST PLATED WITH 2.54um MIN TIN



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 FOR 60 SECONDS DURATION.



THE MAGNETIC ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: -40°C TO +85°C

5. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

DOMINANT WAVELENGTH(λD)  
 GREEN 568nm TYP.at IF=20mA  
 YELLOW 588nm TYP.at IF=20mA  
 FORWARD VOLTAGE(VF):  
 GREEN 2.2V TYP.at IF=20mA  
 YELLOW 2.1V TYP.at IF=20mA

6. ALL DIMENSIONS TO BE NOMINAL UNLESS OTHERWISE NOTED

7. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

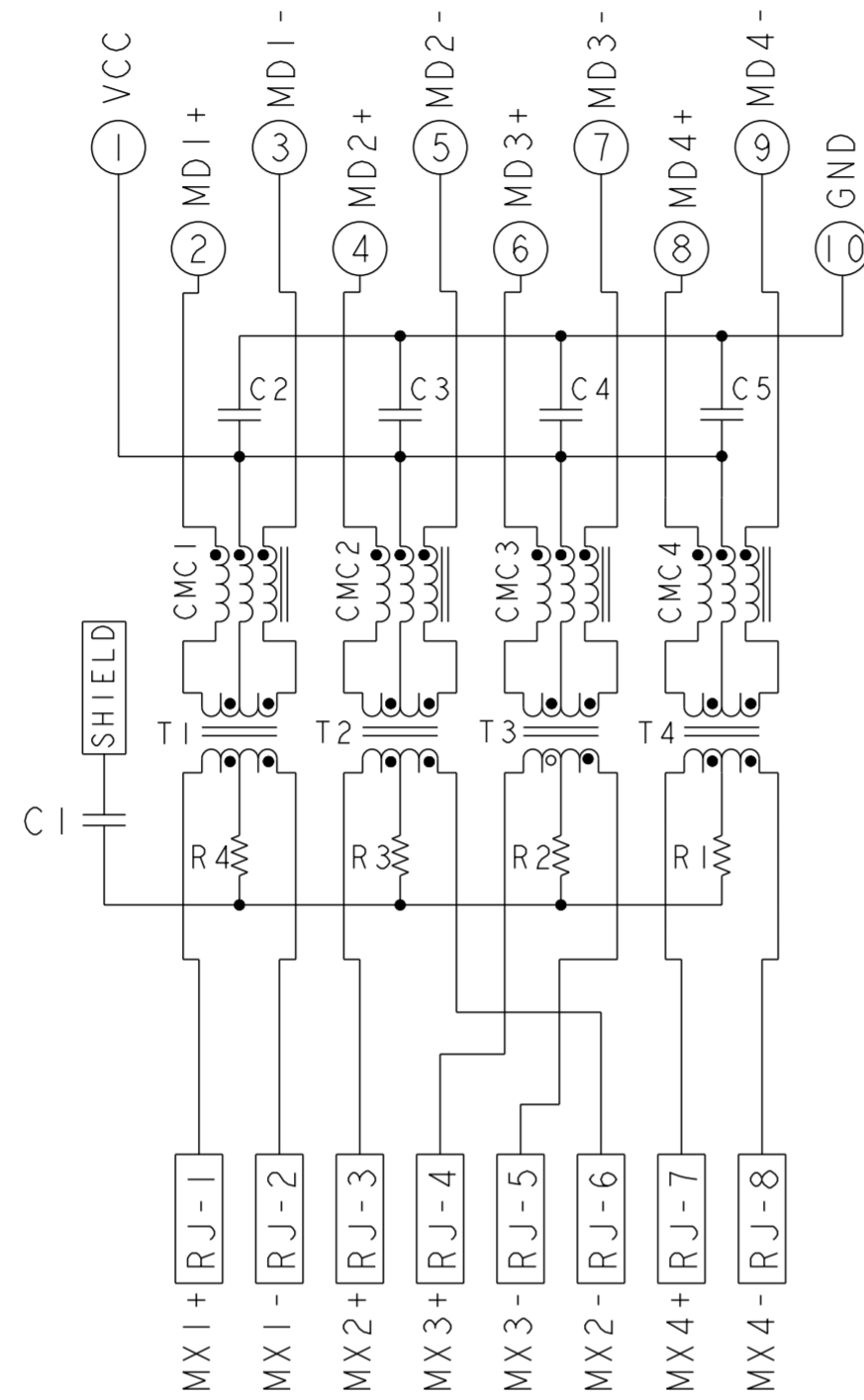


CONTACT LUBRICANT IN MATING AREA FOR 1-1840472-4 ONLY.

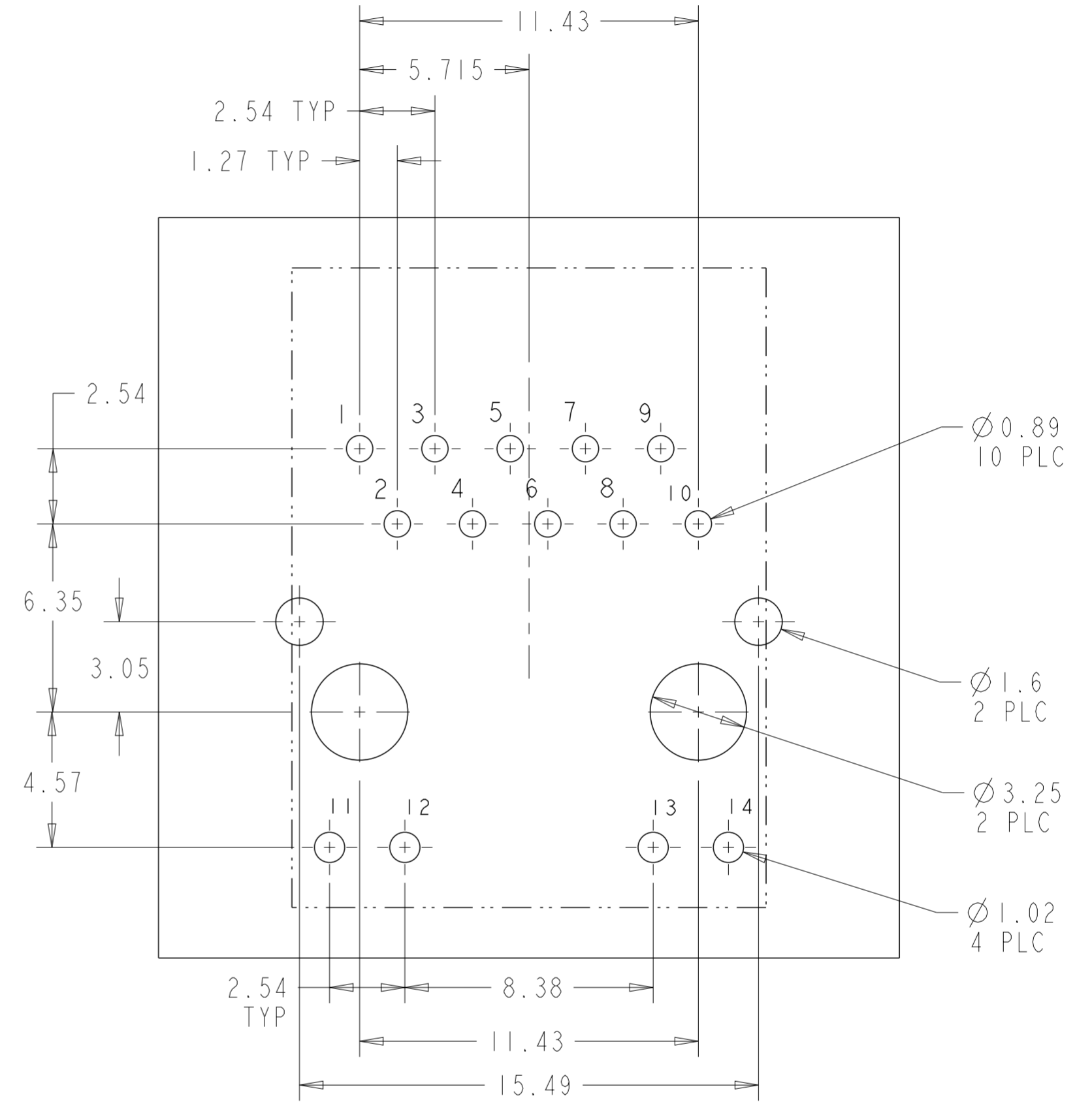
YES	GREEN/YELLOW	GREEN/YELLOW	1-1840472-4
NO	GREEN	GREEN/YELLOW	1840472-5
NO	YELLOW	GREEN	1840472-8
NO	GREEN	GREEN	1840472-1
LUBE	LED 1	LED 2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	VKIN LEE	09 JAN 2009	 TRP connector Dongguan China
DIMENSIONS:		CHK	QUENTIN LIU	09 JAN 2009	
mm		APVD	LI JUN RAO	09 JAN 2009	
		PRODUCT SPEC	108-2100	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		SIZE	A2
0 PLC ±0.25		-		CAGE CODE	00779
1 PLC ±0.25		-		DRAWING NO	C-1840472
2 PLC ±0.25		-		RESTRICTED TO	
3 PLC ±0.25		-		WEIGHT	-
4 PLC ±		-		CUSTOMER DRAWING	
ANGLES ±		-		SCALE	4:1
FINISH		-		SHEET	1 OF 2
-		-		REV	F

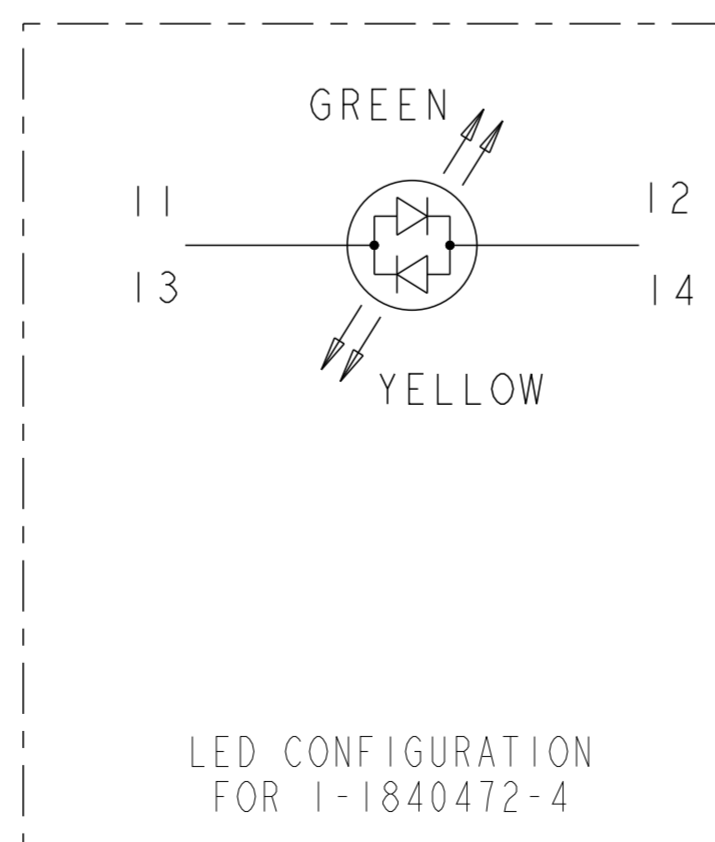
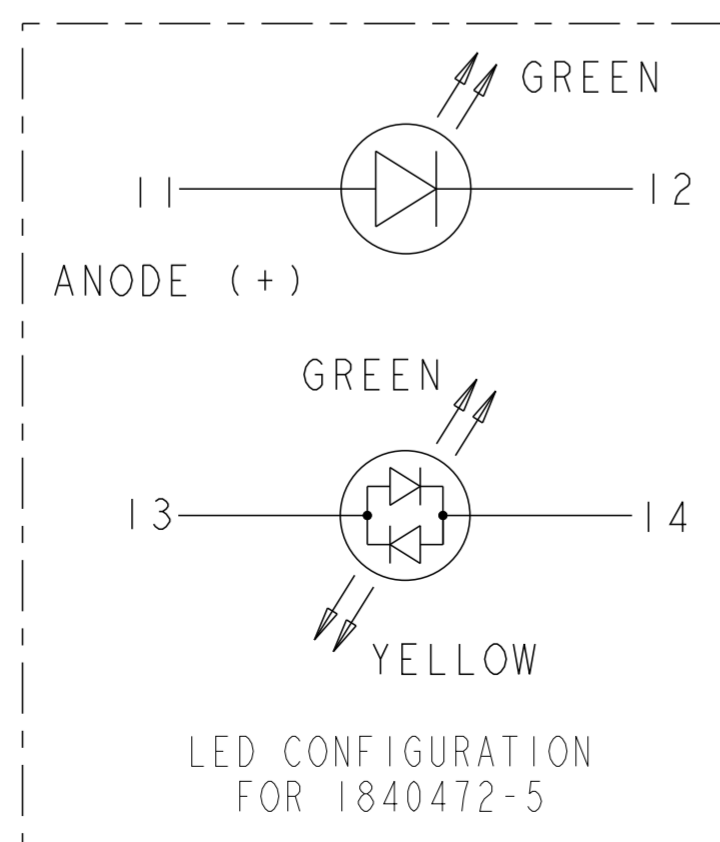
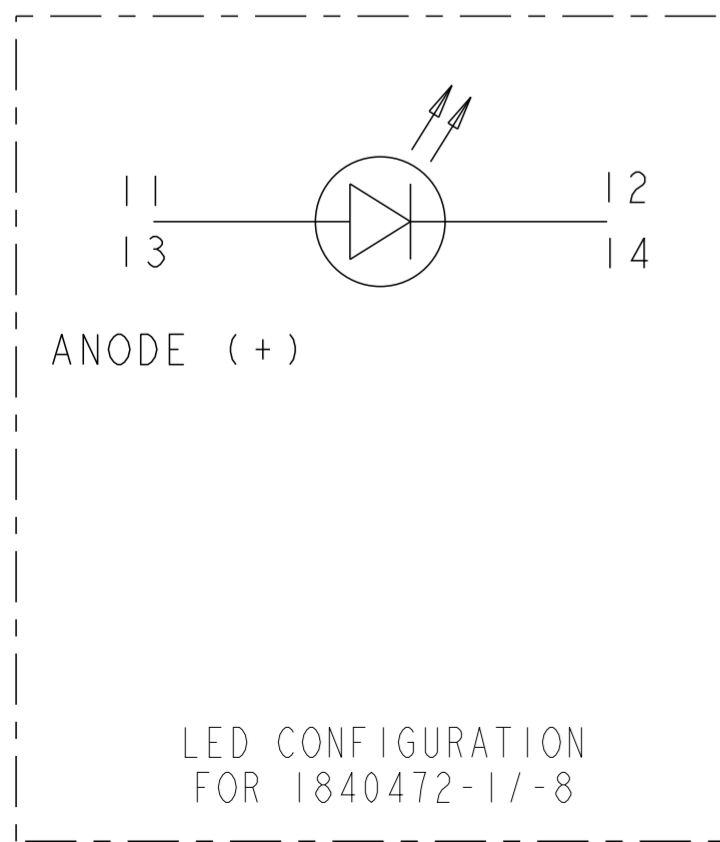
# 4G46ETPI GIGABIT CIRCUIT




C2 - C5 = 0.1uF, 50V, CAPACITOR  
 C1 = 1000pF, 2kV, CAPACITOR  
 R1 - R4 = 75 Ohms, RESISTOR



SUGGESTED PCB LAYOUT (TOL: ±0.05)  
 (COMPONENT SIDE VIEW)



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN VKIN LEE 09 JAN 2009	 TRP connector Dongguan China
DIMENSIONS: mm		CHK QUENTIN LIU 09 JAN 2009	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD LI JUN RAO 09 JAN 2009	
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± FINISH ±		PRODUCT SPEC 108-2100 APPLICATION SPEC - WEIGHT -	
MATERIAL		NAME 1X1 MAG45(TM) MODULAR JACK, VERTICAL, 4G46ETPI CIRCUIT, WITH LED SIZE A2 CAGE CODE 00779 DRAWING NO C-1840472 RESTRICTED TO F	
CUSTOMER DRAWING			SCALE 4:1 SHEET 2 OF 2 REV F