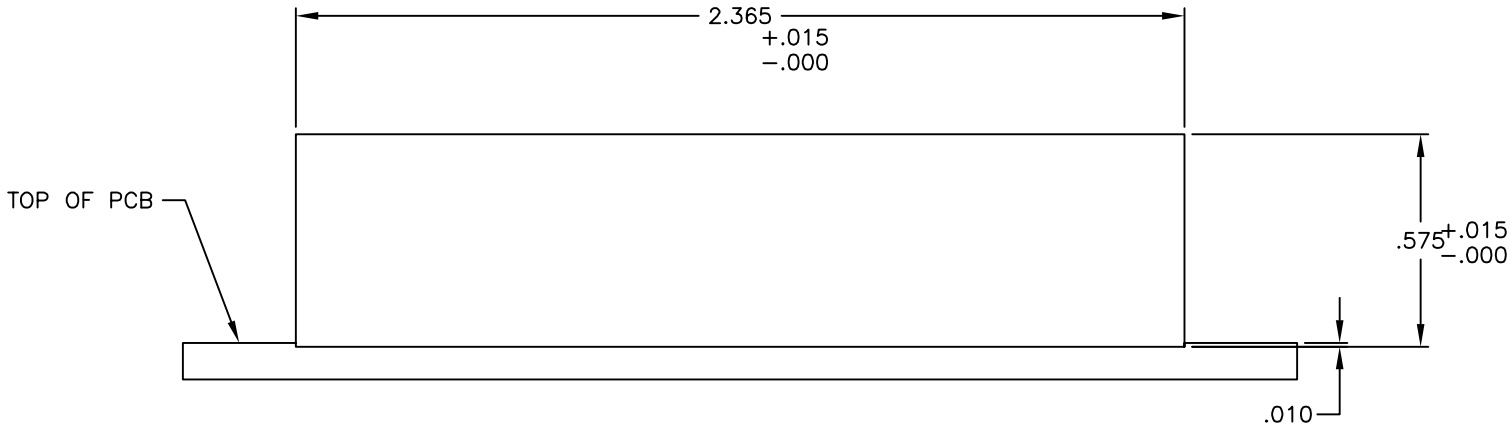
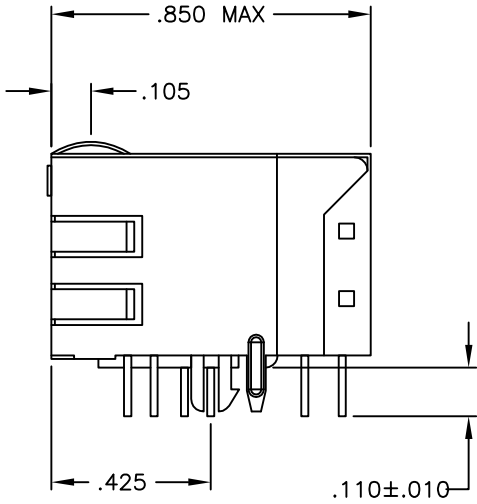
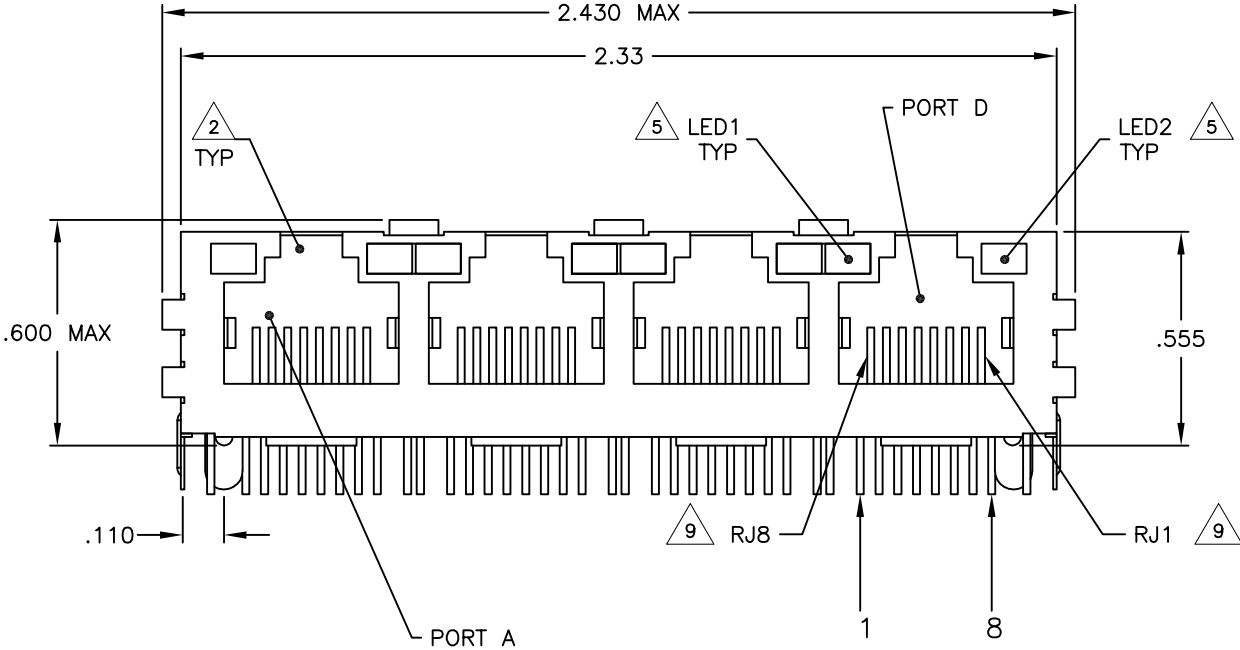
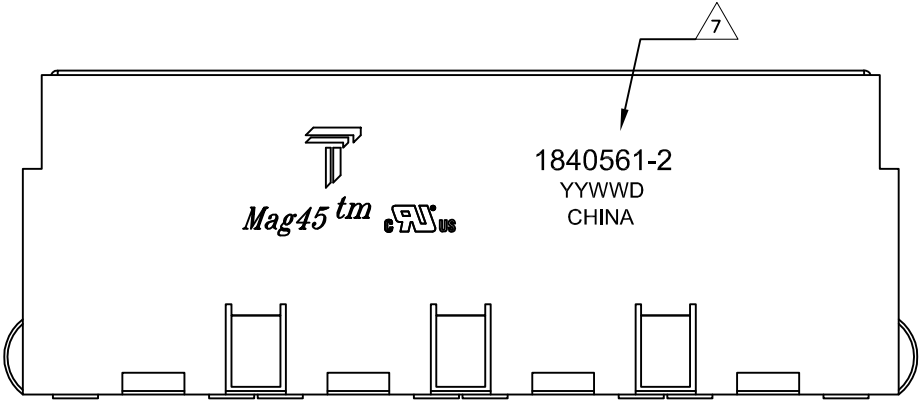


REVISIONS					
#	LTN	DESCRIPTION	DATE	BY	APP
E		LOGO CHANGE	23APR2013	JC	KZ

MECHANICAL:



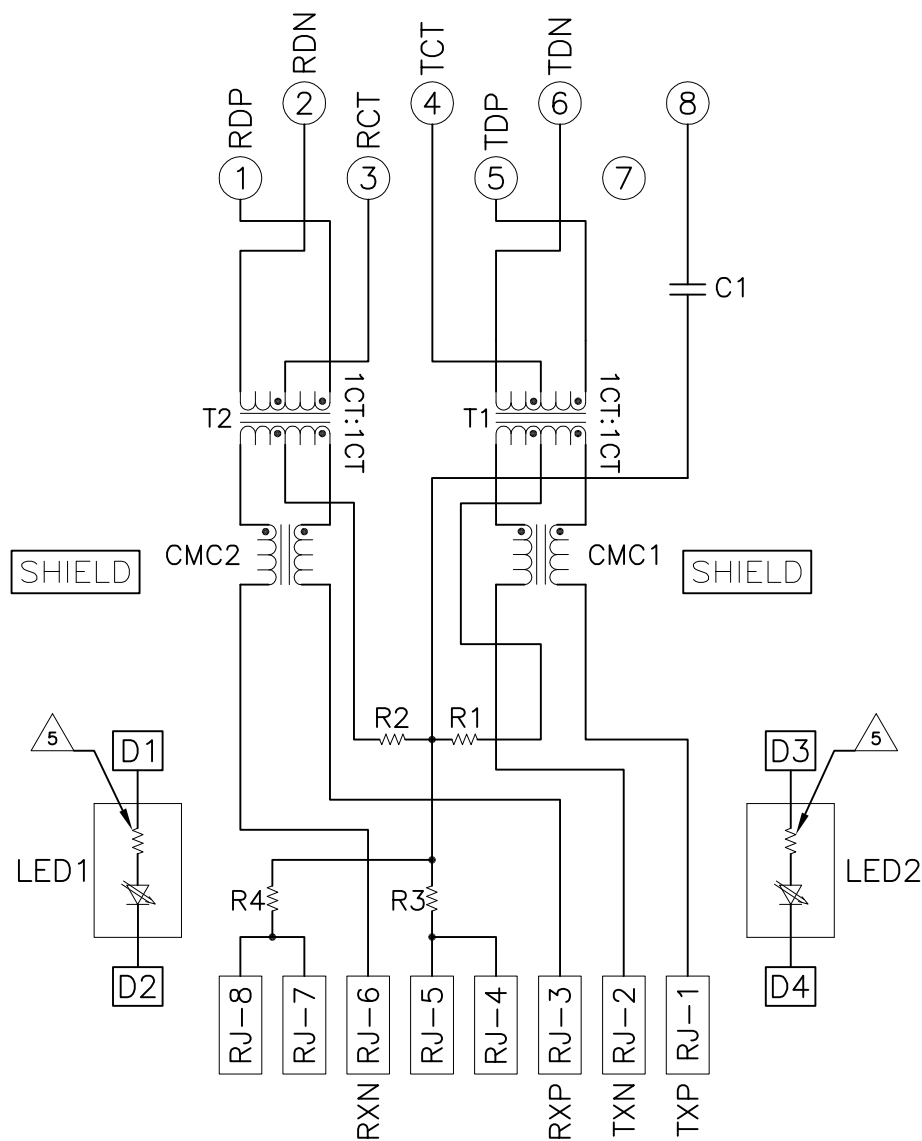
1X4 SUGGESTED PANEL CUTOUT

- 1 MATERIALS:
-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
-SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL.
-SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
-MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
-LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μIN MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3 MAGNETICS
-APPLICATION: 10/100 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
-PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
 12dB MIN FROM 60.1MHz TO 80MHz
 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: 2250 VDC FOR 60 SECONDS DURATION.
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 5 LEDS WITH BUILT-IN RESISTOR
LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
LED COLOR : DOMINANT WAVELENGTH (AD): GREEN 568 nm TYP. @ VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
 DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP. @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V
- 6 INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- 7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
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.
- 9 HM-15 LUBRICANT PN 1325291-1 APPLIED IN MATING AREA.
10. 1840561-2 SHOWN UNLESS OTHERWISE NOTED.

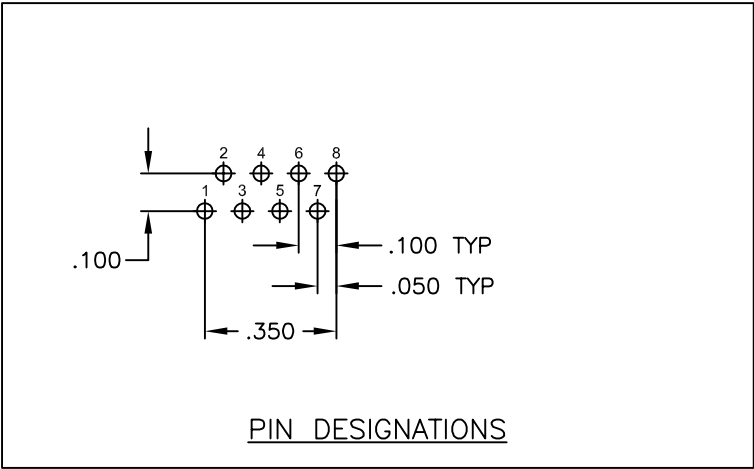
GREEN	YELLOW	1840561-1
YELLOW	GREEN	1840561-2
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW YKIN LEE 08FEB09	TRP connector Dongguan China		
DIMENSIONS: INCHES		CHK QUENTIN LIU 08FEB09	 TRP connector Dongguan China NMR X4 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 26 SERIES CIRCUIT, SHIELDED, WITH RESISTOR LEDS		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100			
0 PLC ± -		APPLICATION SPEC			
1 PLC ± .010		SIZE			
2 PLC ± .005		CAGE CODE			
3 PLC ± .005		DRAWING NO			
4 PLC ± -		C=1840561			
ANGLES ± -		RESTRICTED TO			
FINISH		MATERIAL			
CUSTOMER DRAWING		SCALE 4:1 SHEET 1 OF 2 REV E			

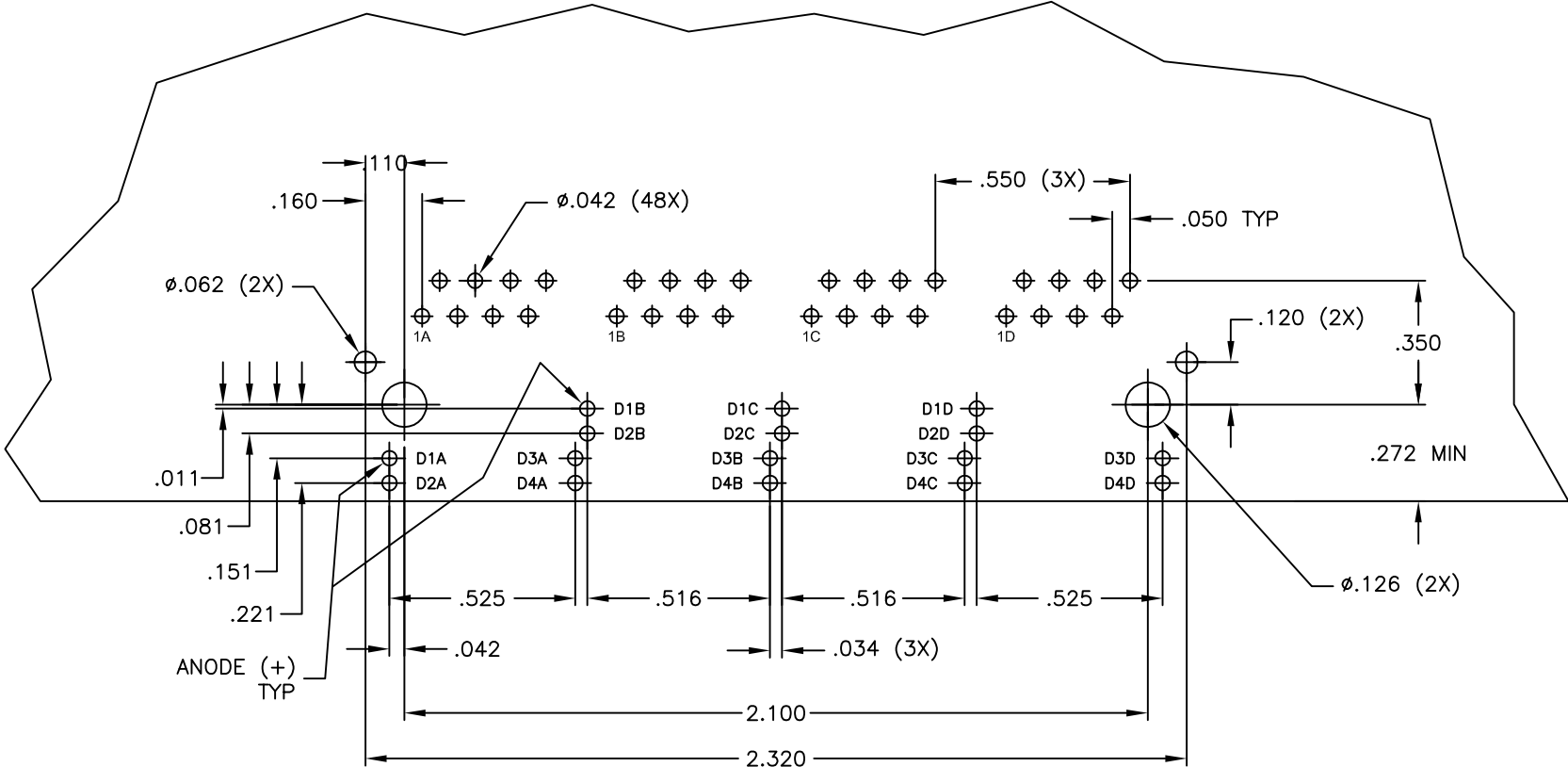
726 SERIES MAGNETIC CIRCUIT



C1=1000pF,2kV CAPACITOR
R1-R4 = 75 OHMS, 1/16W RESISTORS



PIN DESIGNATIONS



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: YKIN LEE 08FEB2009	TRP connector	
DIMENSIONS: INCHES		CHK: QUENTIN LIU 08FEB2009	Dongguan China	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD: LIJUN RAO 08FEB2009	PRODUCT SPEC: 108-2100	
0 PLC ± -		APPLICATION SPEC: -	NMR X4 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 26 SERIES CIRCUIT, SHIELDED, WITH RESISTOR LEDS	
1 PLC ± -		SIZE: A1	CAGE CODE: 1840561	
2 PLC ± .010		SCALE: 4:1	SHEET 2 OF 2	
3 PLC ± .005		REV: E	CUSTOMER DRAWING	
4 PLC ± -				
ANGLES ± -				
MATERIAL: -				
FINISH: -				