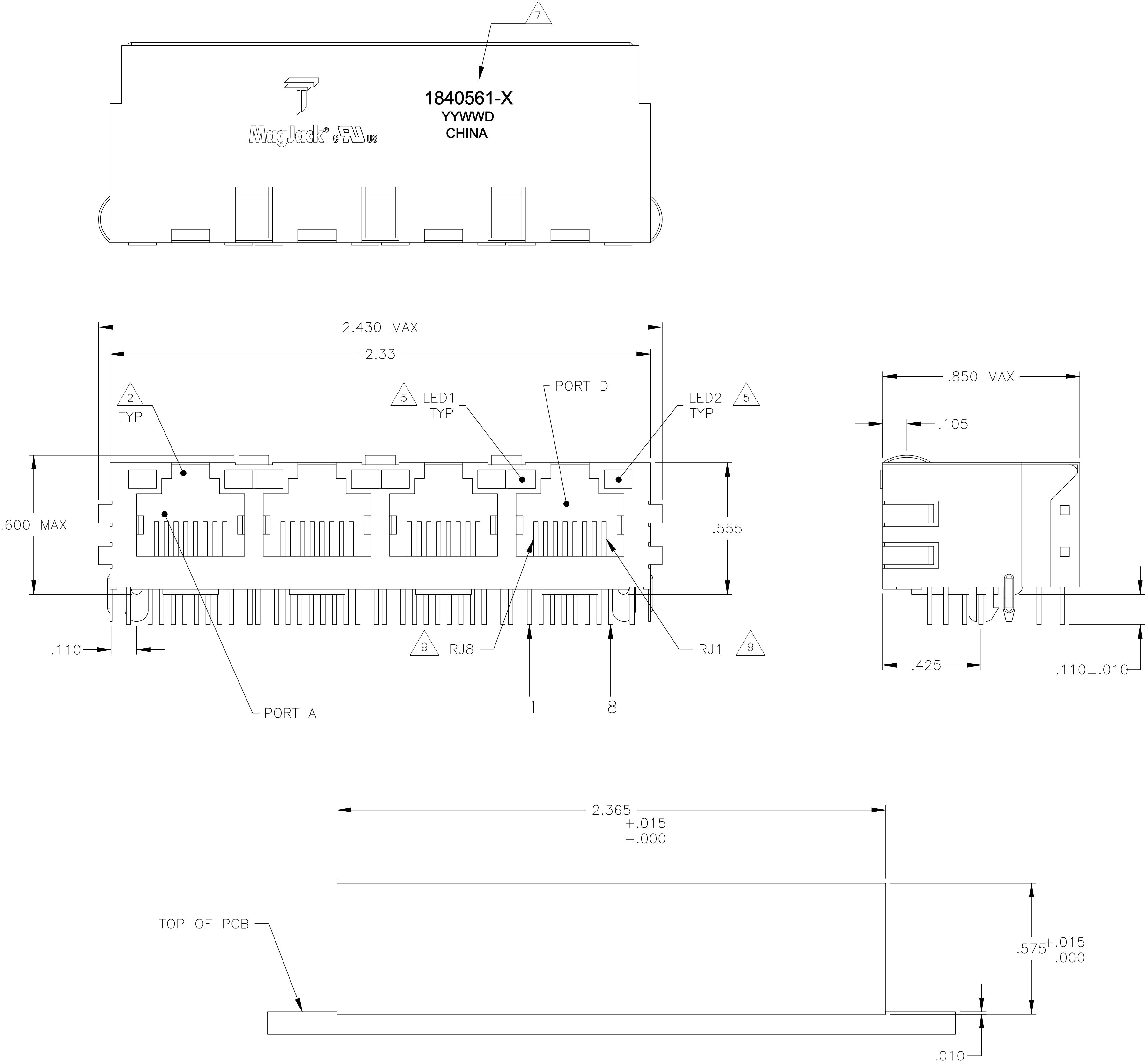
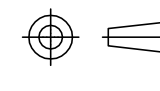


MECHANICAL:

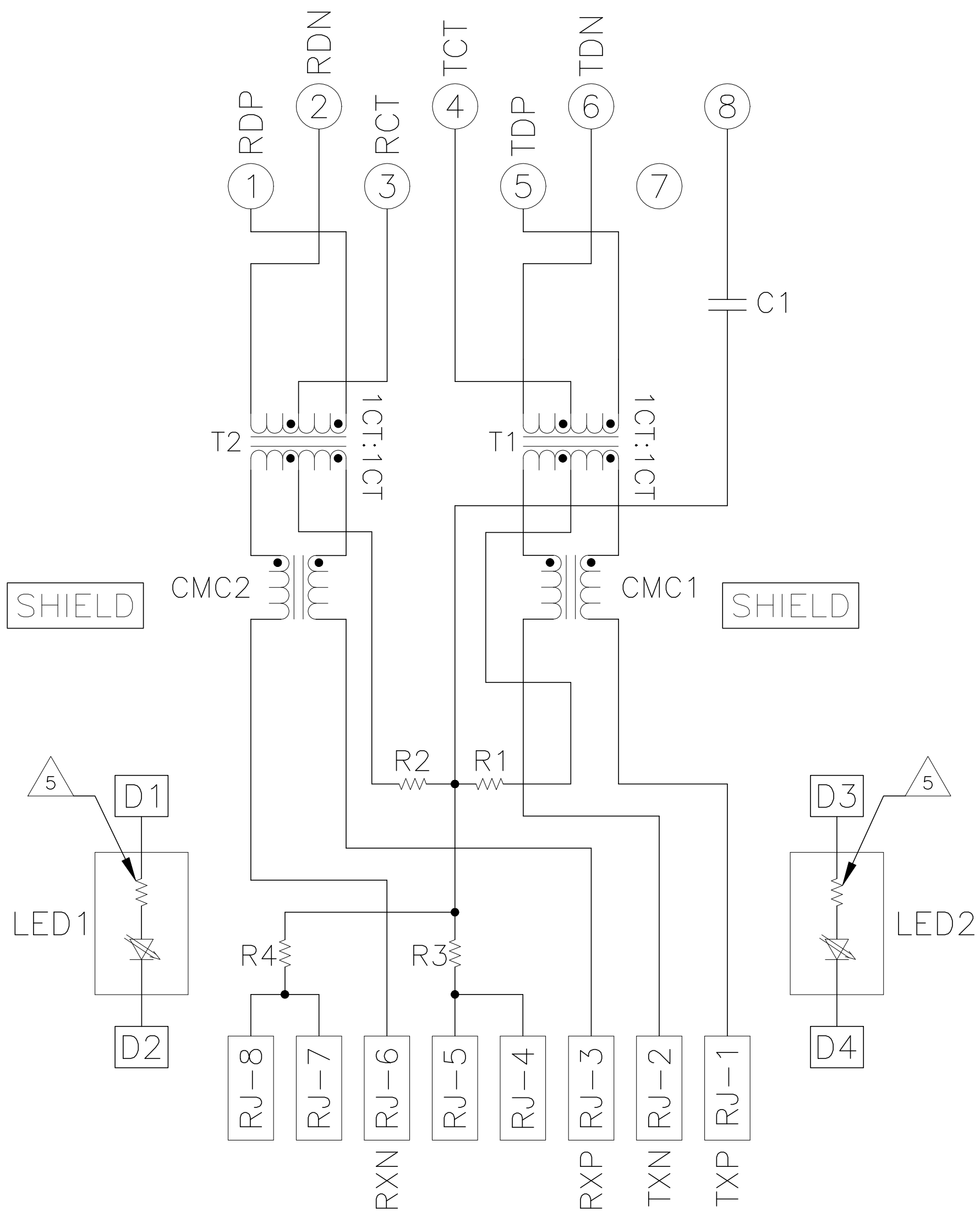


- 1 MATERIALS:**
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL.
 - SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL 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 (λD): GREEN 568 nm TYP. @ VF=5V
- FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
- DOMINANT WAVELENGTH (λD): 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-MDIX/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.

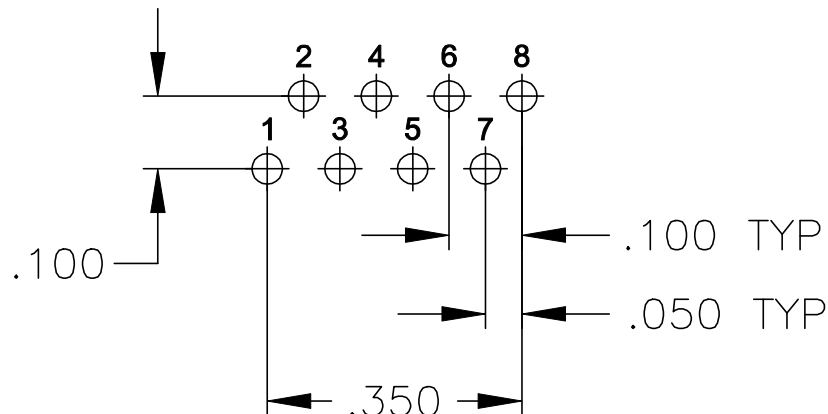
GREEN	YELLOW	1840561-1
YELLOW	GREEN	1840561-2
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN VKIN LEE 06FEB2009	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: INCHES		CHK QUENTIN LIU 06FEB2009				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD LIJUN RAO 06FEB2009				
		MODEL NAME MAGJACK		DESC 1X4 726 10/100 TAB UP W/ LED		
PRODUCT SPEC 108-2100		APPLICATION SPEC -		SIZE A1	CAGE CODE -	DRAWING NO C=1840561
				RESTRICTED TO -		
				CUSTOMER DRAWING		
				SCALE 4:1	SHEET 1	OF 2
				REV F		

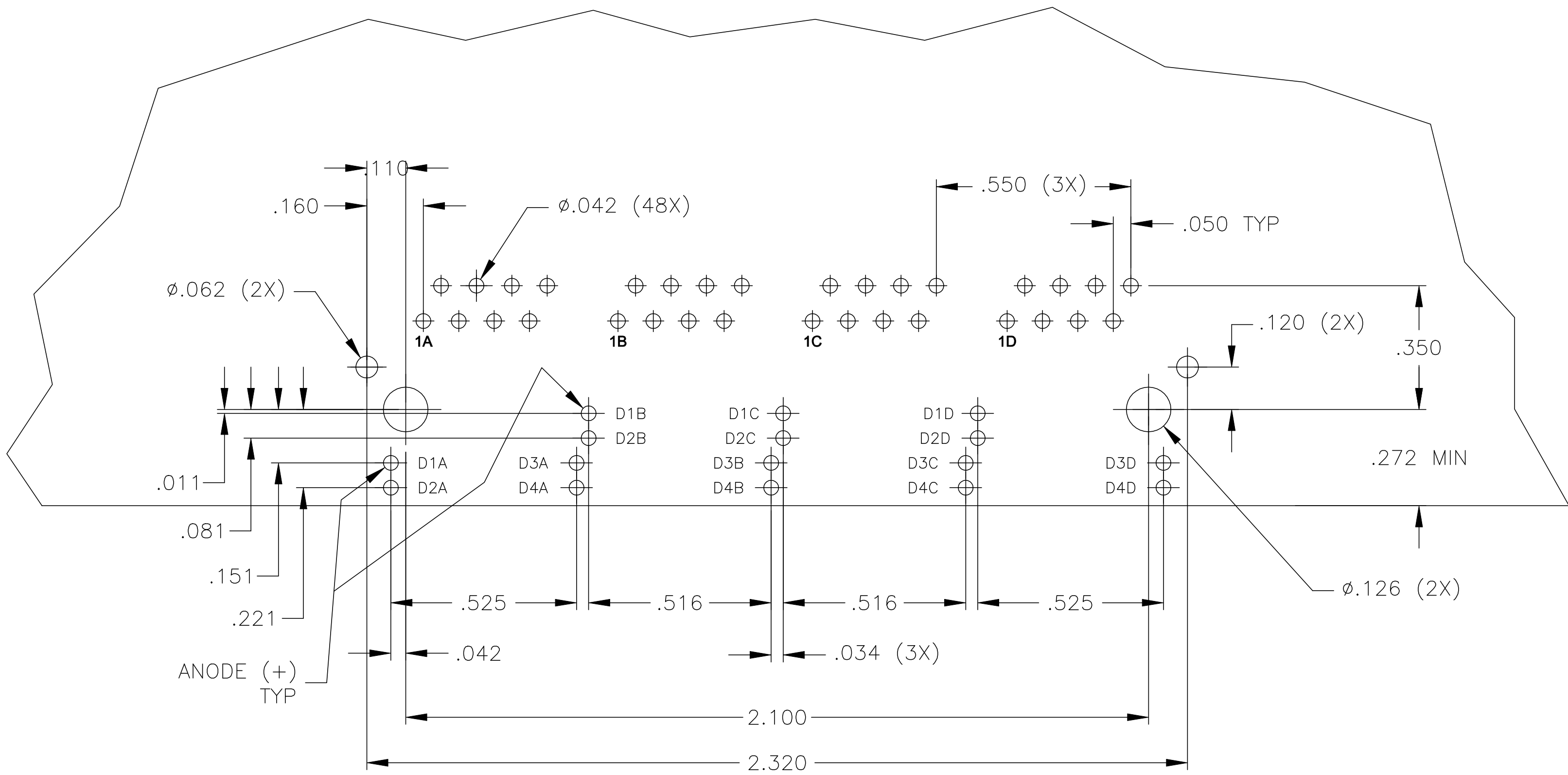
726 SERIES MAGNETIC CIRCUIT



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



PIN DESIGNATIONS



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: VKIN LEE 06FEB2009		 trp CONNECTOR a DSI Group		DONGGUAN CHINA	
		CHK: QUENTIN LIU 06FEB2009					
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: LUJUN LAO 06FEB2009		MODEL NAME	
		0 PLC ± .		DESC: 1X4 726 10/100 TAB UP W/ LED			
		1 PLC ± .					
		2 PLC ± .010					
		3 PCL ± .005					
		4 PCL ± .					
PRODUCT SPEC 108-2100		APPLICATION SPEC -		ANGLES		MAGJACK	
						GANG NON-POE	
						SIZE A1	
						CAGE CODE	
						DRAWING NO C=1840561	
						RESTRICTED TO -	
						SCALE 4:1	
						SHEET 2 OF 2	
						REV F	
						CUSTOMER DRAWING	