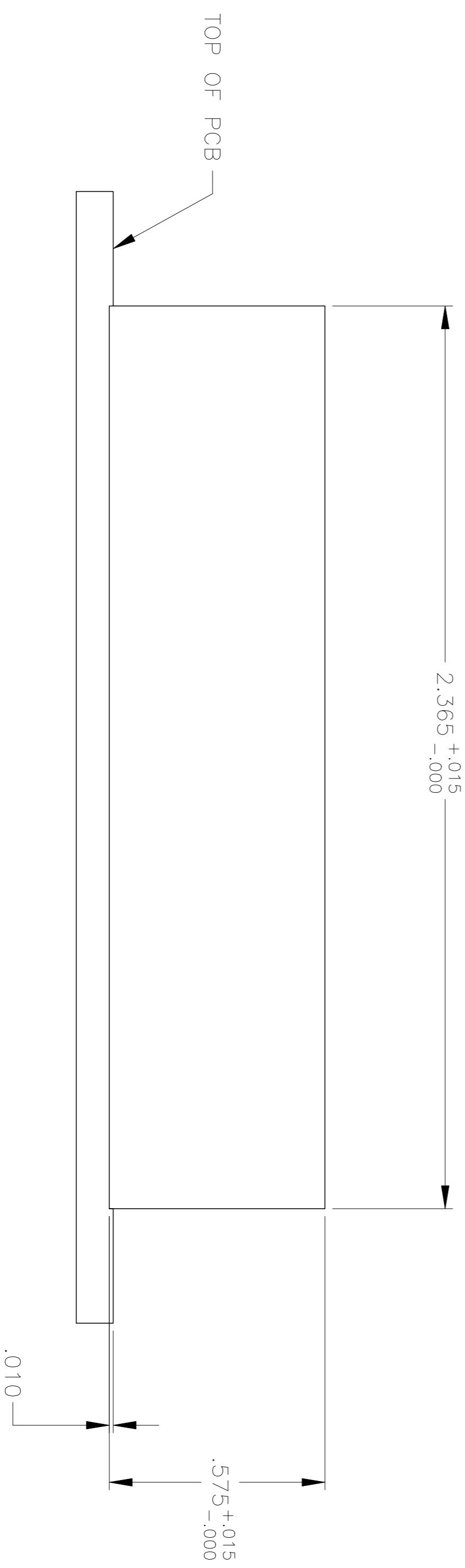
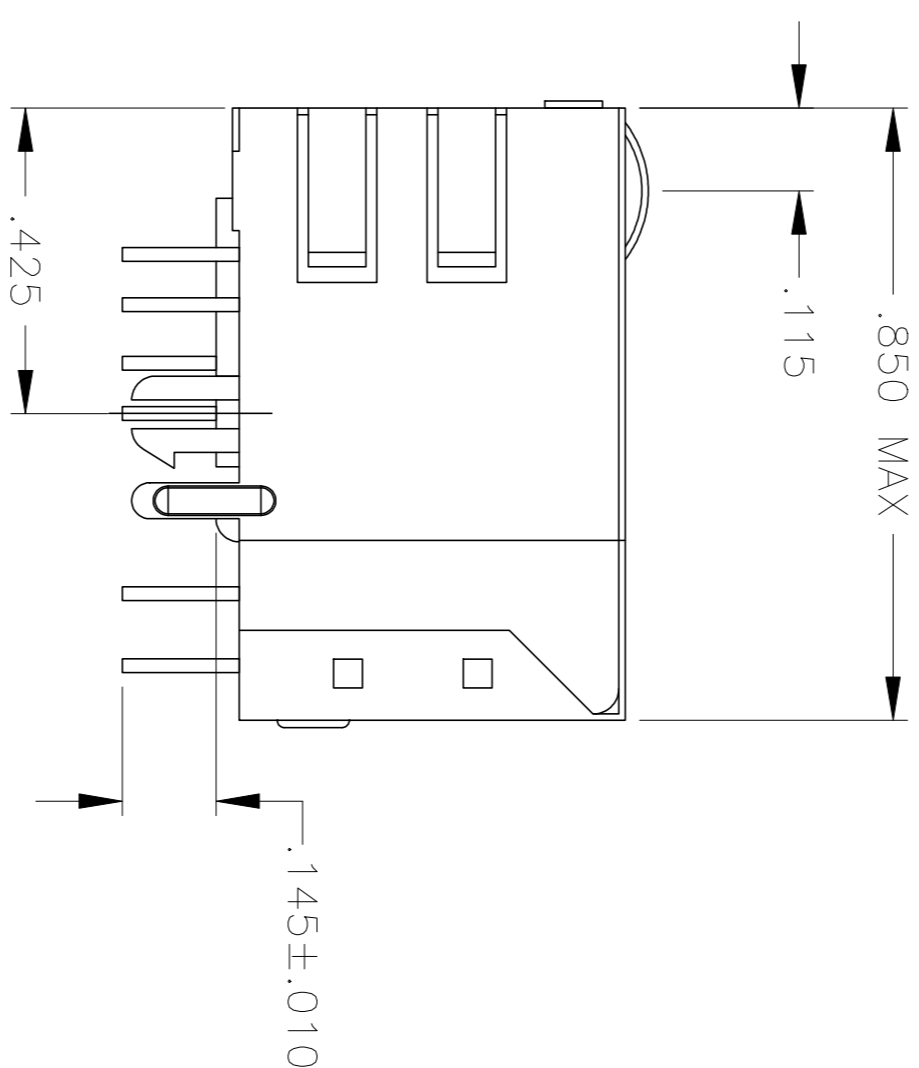
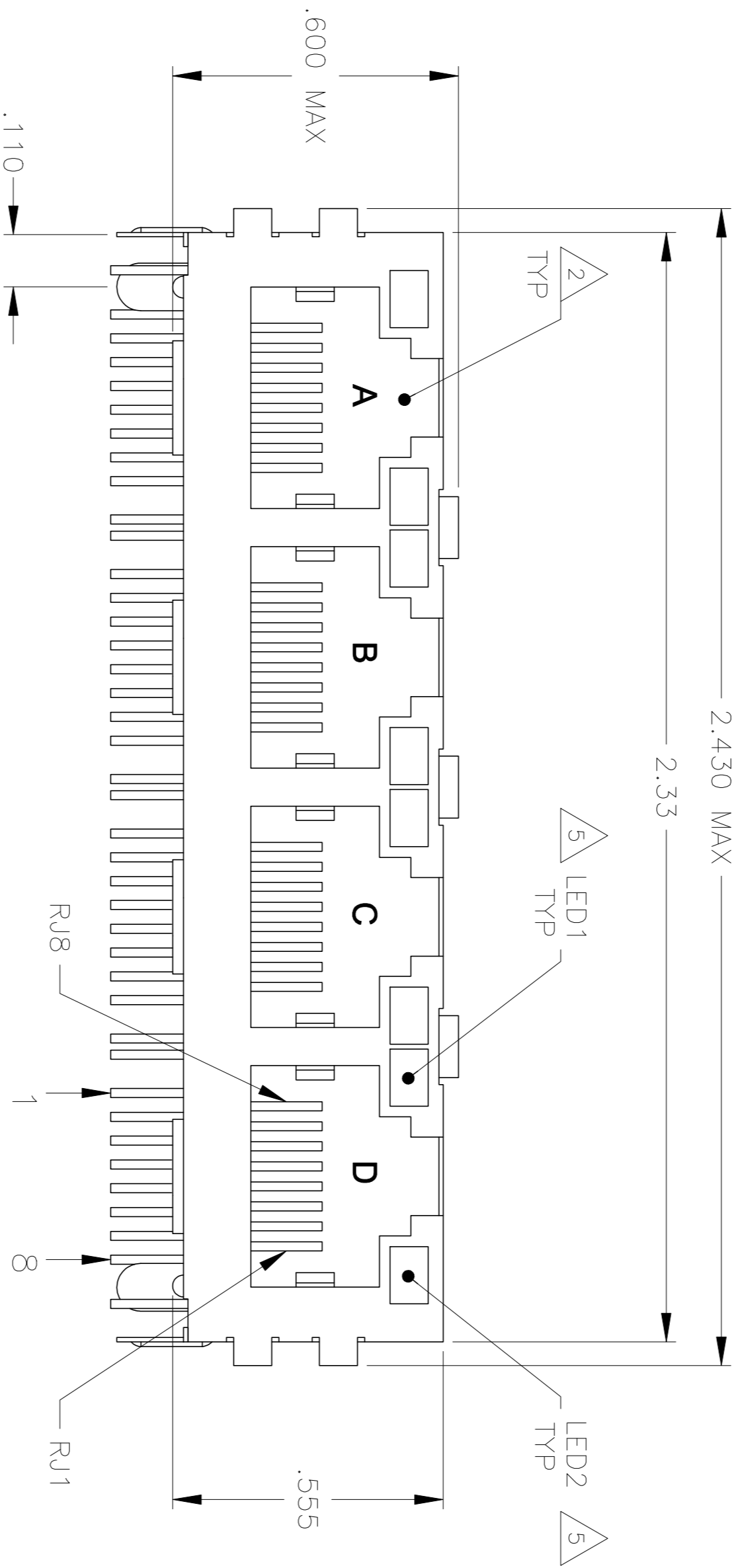
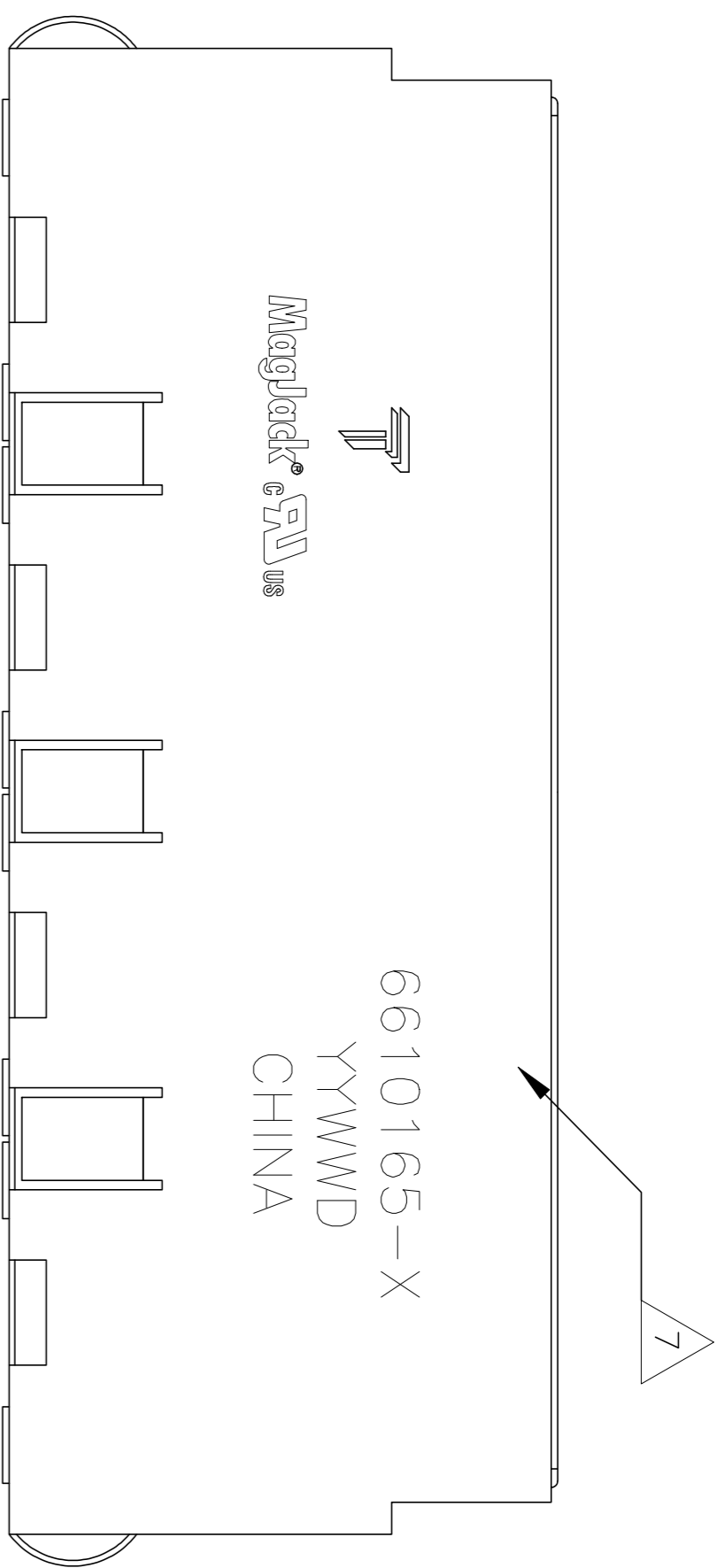


MECHANICAL:



1 MATERIALS:
 -HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 -SHIELD - .010" THICK C26800 BRASS PREPLATED WITH 30µNCH MIN SEMI-BRIGHT NICKEL SOLDER TABS POST DIPPED WITH 100µNCH MIN SAC SOLDER
 -MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE 50µNCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50µNCH MIN HARD GOLD FINISH PLATE
 -SOLDER TABS WITH 100µNCH MIN MATTE TIN AND/OR SAC SOLDER DIP
 -LIGHT EMITTING DIODE(LED) - DIEFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80µNCH SILVER OVER 4µNCH NICKEL UNDERPLATE OVER 40µNCH COPPER UNDERPLATE POST-PLATED WITH 100µNCH 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
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (GHP CABLE) TX = 1:1, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350nH MIN @100kHz, 0.1VRMS, 8mA DC BIAS FROM -40°C TO +85°C, TX AND RX
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 11dB 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
 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: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM B.

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

5. THE LED WITH 250 OHM RESISTORS,LED IS 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 HUB CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND SUPPORTS AUTO-MDIX/MDIX.

7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN. DATE CODE: "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1

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 280°C MAX, 10 SECONDS MAX.

9. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIMENSIONS:		DIMENSIONS:		DIMENSIONS:	
UNLESS SPECIFIED		DIMENSIONS:		DIMENSIONS:		DIMENSIONS:	
UNLESS SPECIFIED		DIMENSIONS:		DIMENSIONS:		DIMENSIONS:	
9	R/C	±		0	R/C	±	
2	R/C	±	.010	2	R/C	±	.010
4	R/C	±	.005	4	R/C	±	.005
APPLICABLE				APPLICABLE			
APPLICATION SPEC.				APPLICATION SPEC.			
PRODUCT SIZE		108-2100		PRODUCT SIZE		108-2100	
OBSOLETE				OBSOLETE			
YELLOW				GREEN			
GREEN				YELLOW			
5-6610165-2				5-6610165-1			
LED1				LED2			
PART NUMBER				PART NUMBER			
G. ATTAGLIA - DOCKS		16MAY2005		G. ATTAGLIA - DOCKS		16MAY2005	
D. FAROLE		16MAY2005		D. FAROLE		16MAY2005	
MACJACK GANG				MACJACK GANG			
NON-POE				NON-POE			
CUSTOMER DRAWING		CUSTOMER DRAWING		CUSTOMER DRAWING		CUSTOMER DRAWING	
SIZE		A1		SIZE		A1	
DATE CODE		0610165		DATE CODE		0610165	
DRAWING NO.		0610165		DRAWING NO.		0610165	
RESTRICTED TO		N/A		RESTRICTED TO		N/A	
SCALE		N/A		SCALE		N/A	
SHEET		1 OF 2		SHEET		1 OF 2	
REV		F		REV		F	

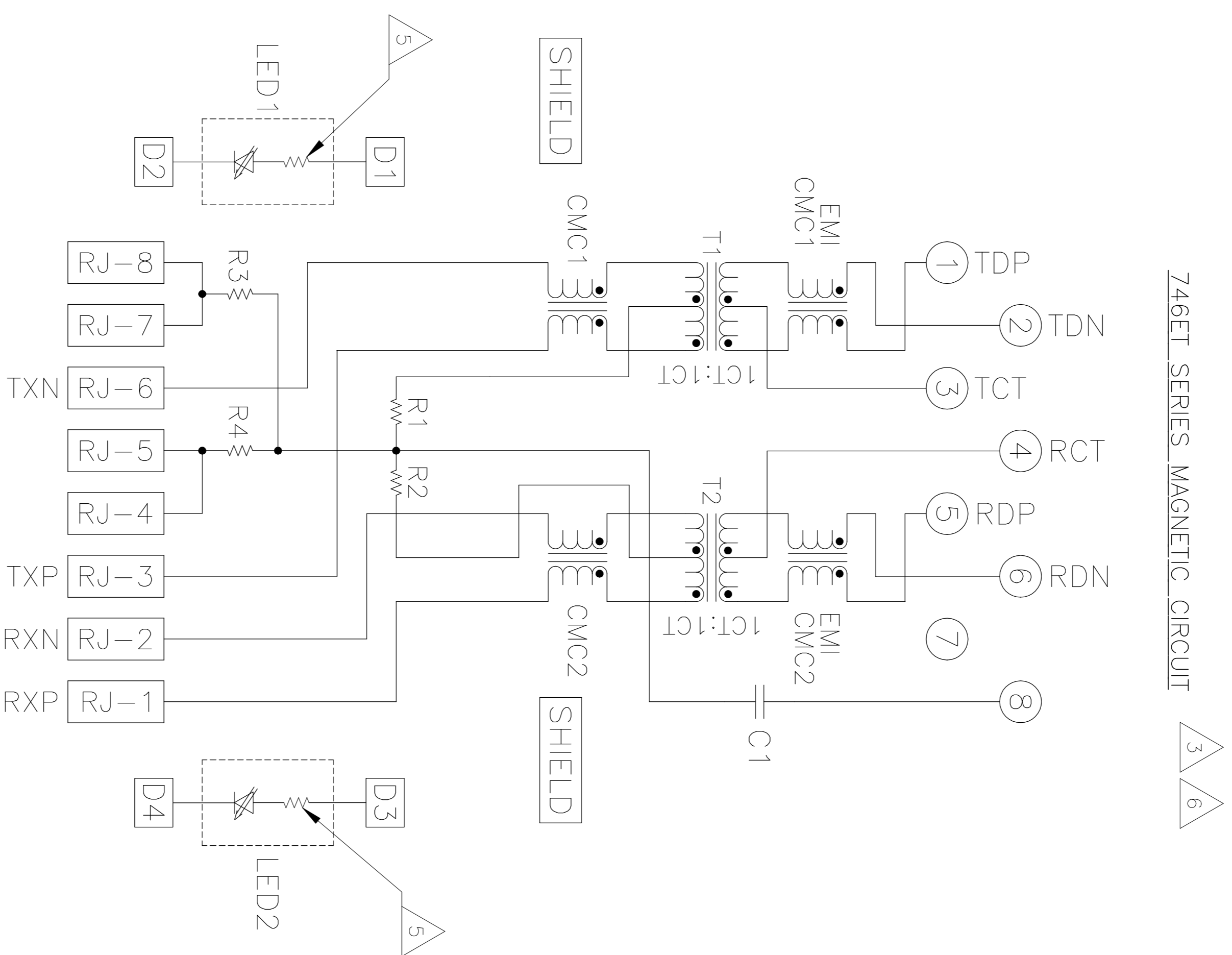
1X4 746ET 10/100 TAB UP W/ LED

trp
 CONNECTOR

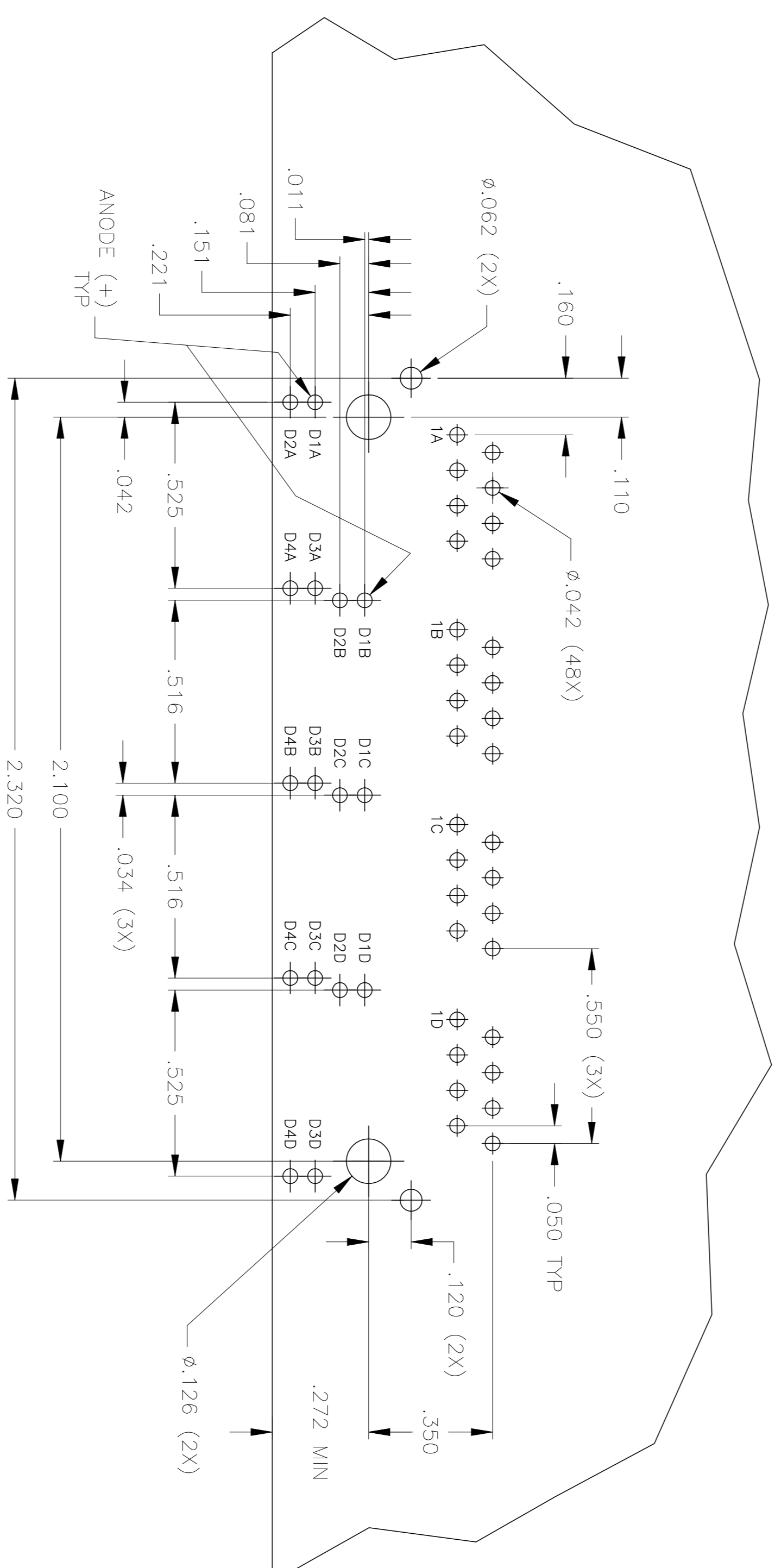
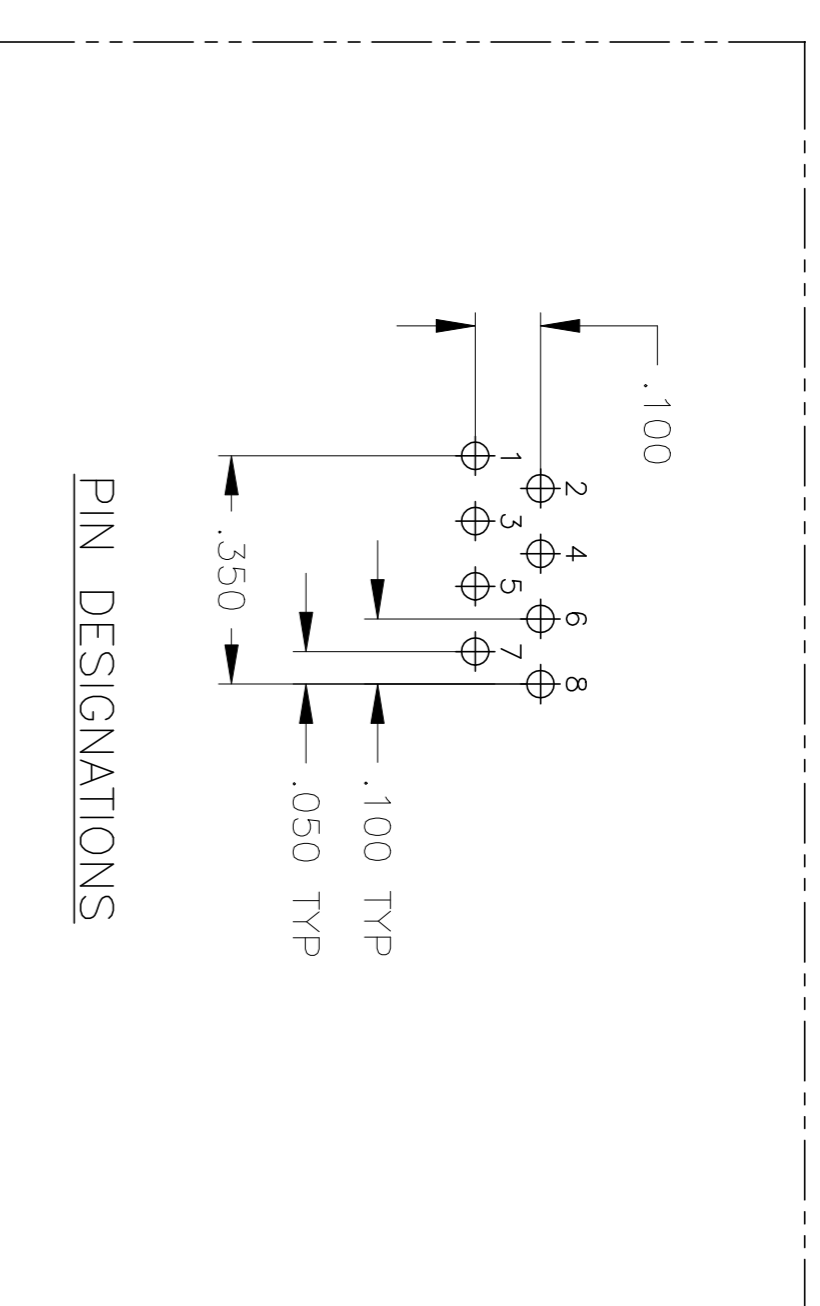
DONGGUAN CHINA

ELECTRICAL:

746ET SERIES MAGNETIC CIRCUIT

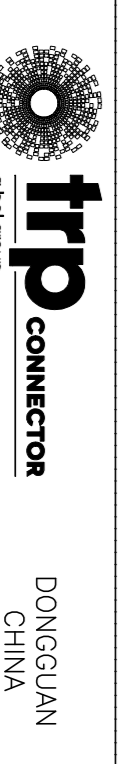


C1 = 1000pF, 2 KV CAPACITOR
R1-R4 = 75 OHMS, 1/10W RESISTORS



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	16MWS2205
DRAWN BY: G. ATTABIA - DOCKS		CHK	G. ATTABIA - DOCKS
CHECKED BY: D. FAROLE		APP	D. FAROLE
DATE: 16MWS2005		MODEL NAME	MACJACK GANG
DIMENSIONS: MILLIMETERS		PRODUCT SPEC	NON-POE
DIMENSIONS: INCHES		APPLICATION SPEC	
TOLERANCES UNLESS SPECIFIED:		SIZE	A1
0 PRC ± .010		DATE CODE	6610165
2 PRC ± .005		DRAWING NO	6610165
4 PRC ± .005		SCALE	NIS
ANGLES ± .5°		SHEET	2 OF 2
APPLICATION SPEC		REV	F
PRODUCT SPEC: 108-2100		CUSTOMER DRAWING	



1X4 746ET 10/100 TAB UP W/ LED