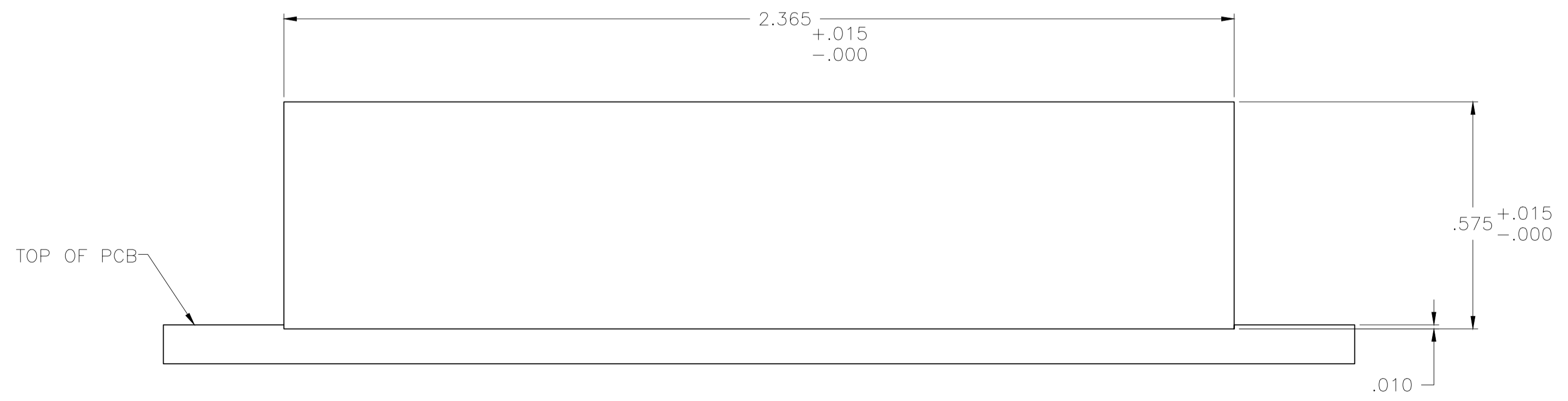
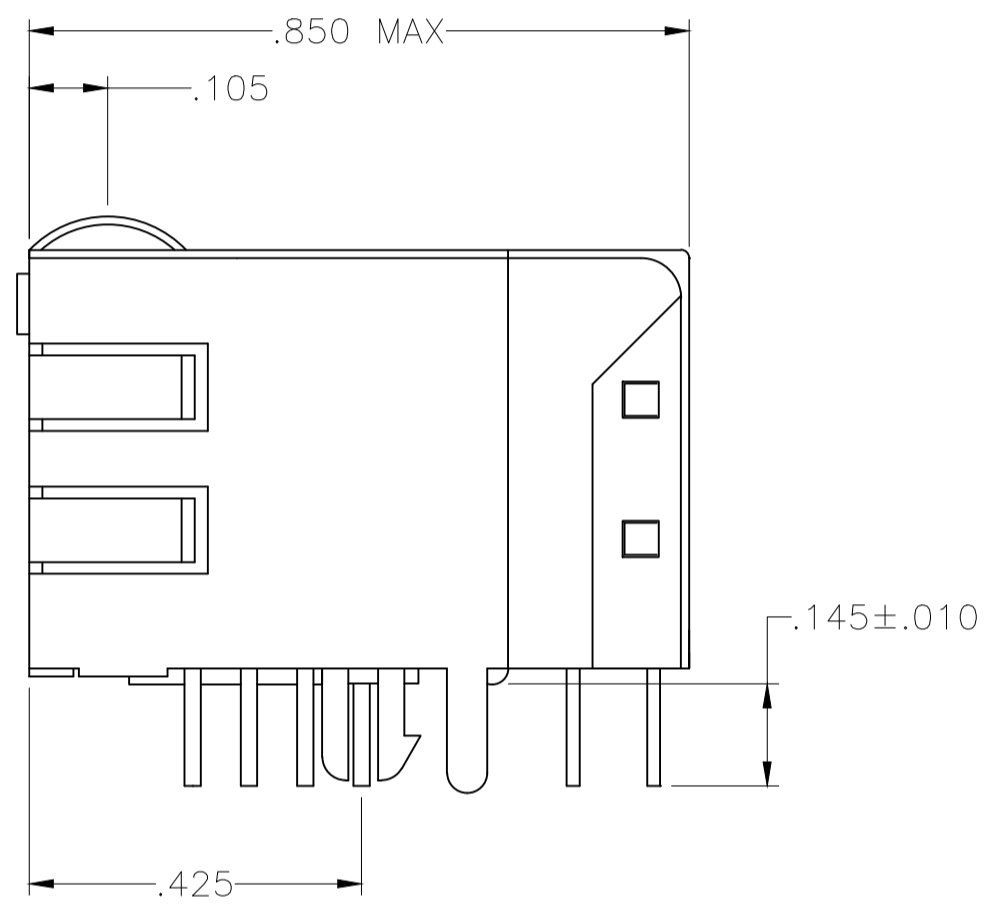
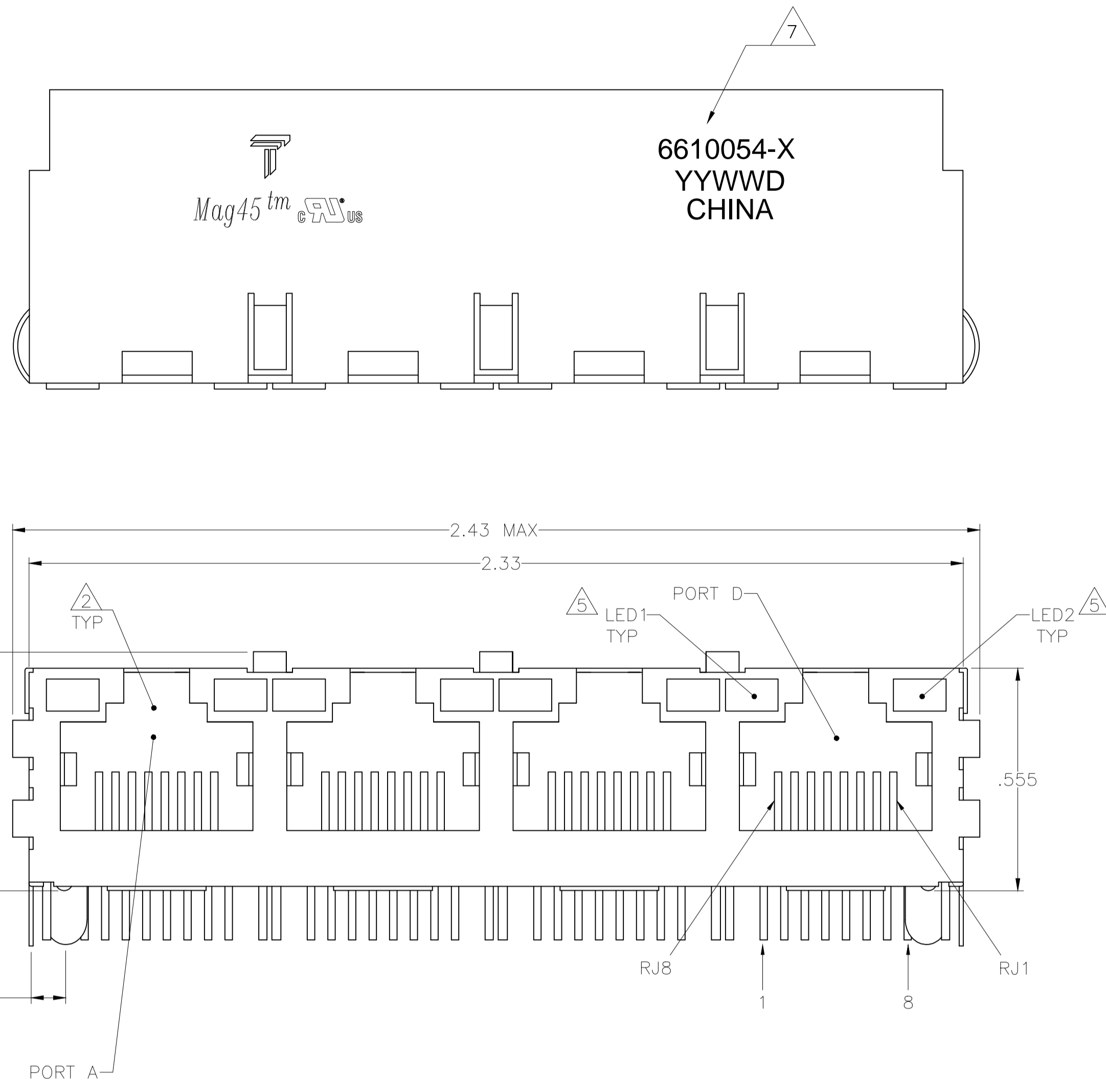


MECHANICAL:

REVISIONS				
#	LTR	DESCRIPTION	DATE	OWN APD
D		LOGO CHANGE	07APR2013	QL KZ



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
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 350μH 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
 - 33-20*LOG(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.
- 4 OPERATING TEMPERATURE: FROM 0° TO +70°C
- 5 THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
 - LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. at IF=20mA
 - FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
 - IF 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. At VF=5V
 - FORWARD CURRENT (IF): GREEN 12 mA TYP. at VF=5V
 - DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. At VF=5V
 - FORWARD CURRENT (IF): YELLOW 13 mA TYP. at VF=5V
- 6 INDICATED CONNECTIONS ARE FOR HUB 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 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

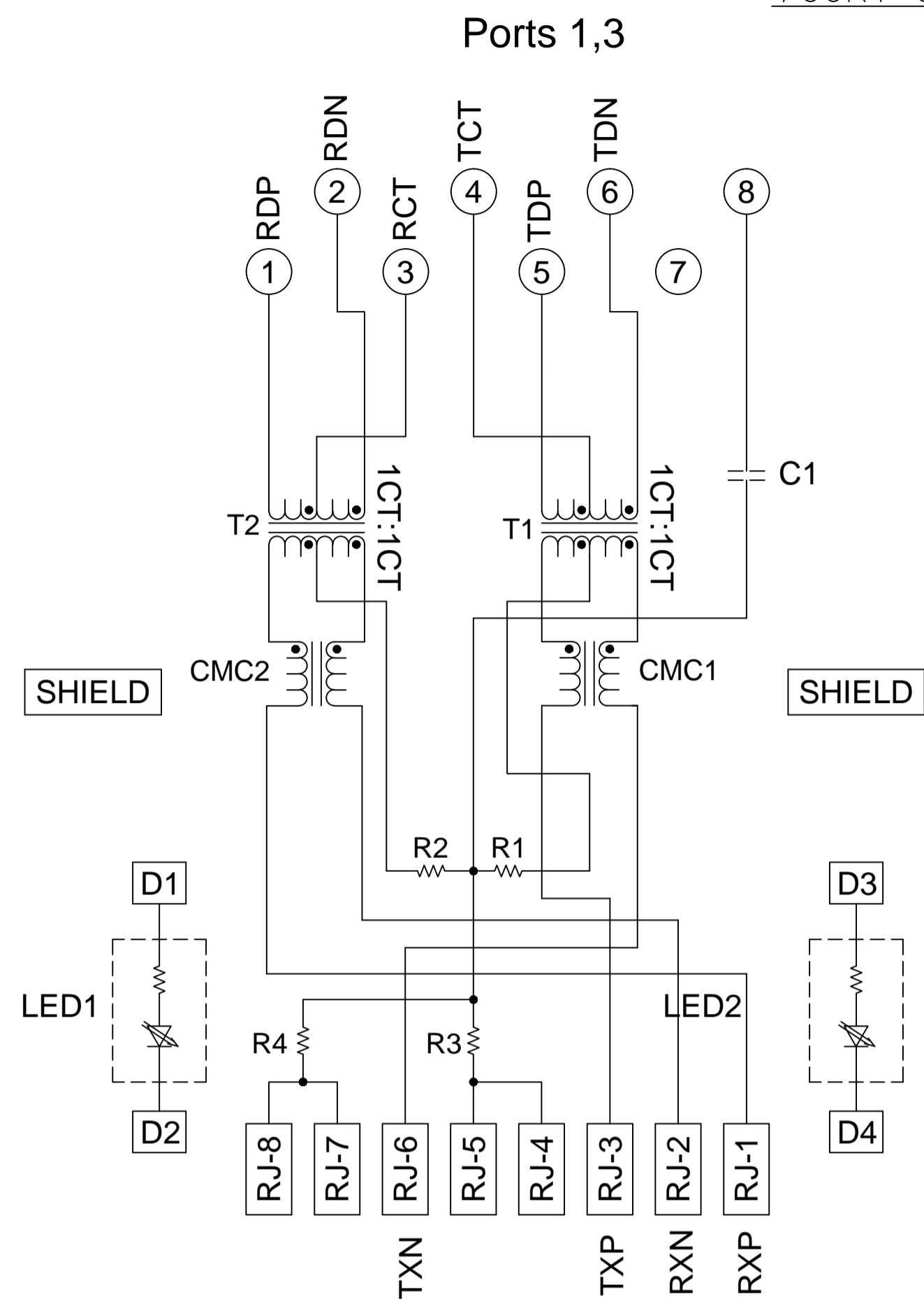
	GREEN	YES	GREEN	YES	6-6610054-1
	GREEN	NO	GREEN	NO	-5-6610054-7
	GREEN	YES	YELLOW	YES	-5-6610054-1
OBsolete	LED1	250 OHMS RESISTOR	LED2	250 OHMS RESISTOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

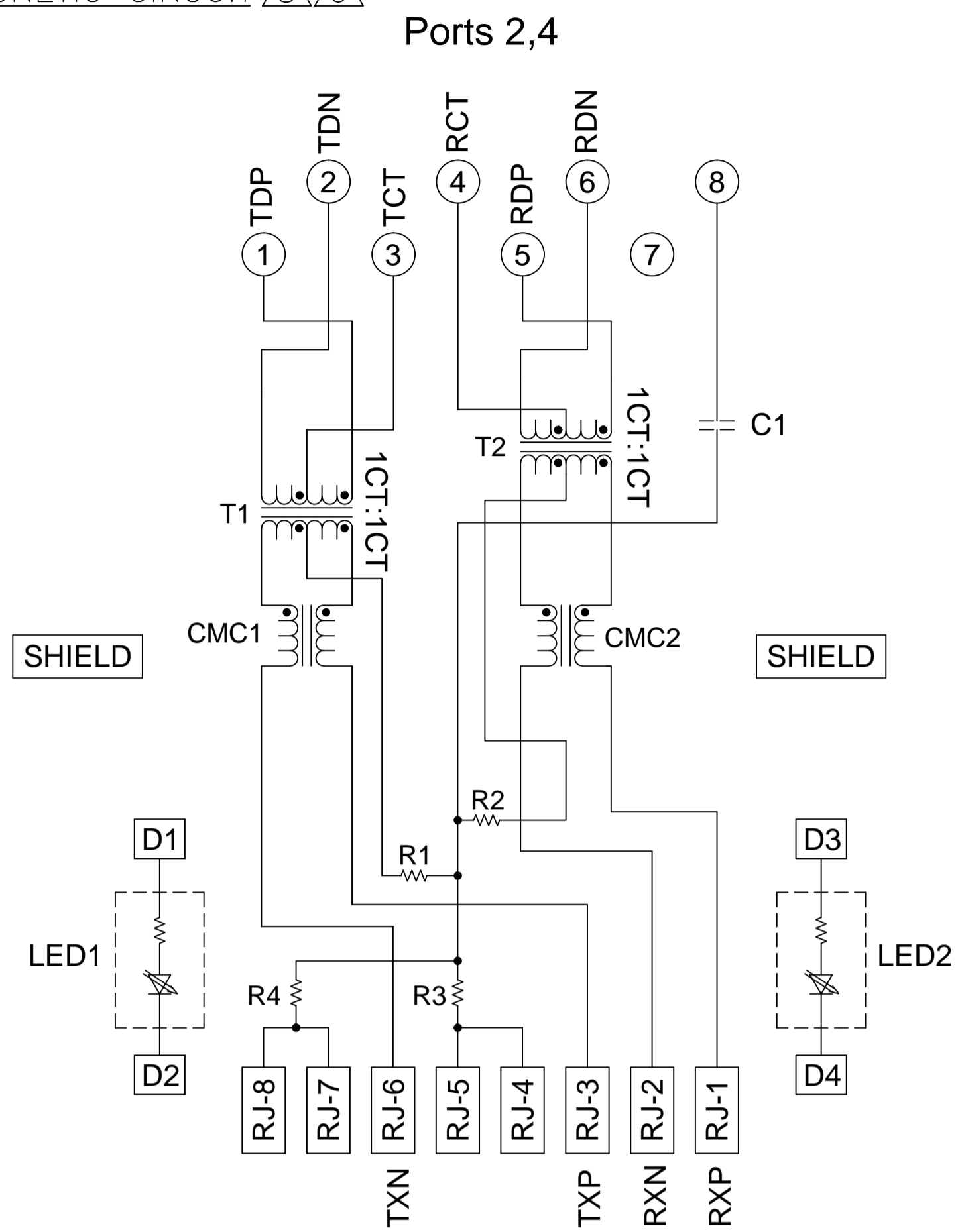
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± .010	2 PLC ± .010	3 PLC ± .005	4 PLC ± -	ANGLES ± -	FINISH
MATERIAL		1		1		1		1

OWN: L. VARELA - DOCKS	16MAR2005	TRP connector
CHK: D. FAROLE	16MAR2005	Dongguan China
APD: D. FAROLE	16MAR2005	
PRODUCT SPEC: 108-2100	NAME: 1X4 MAG45(TM) MODULAR JACK, 7K1 SCHEMATIC, 66 SERIES CIRCUIT, SHIELDED, DECOUPLING CAPACITOR, WITH LEADS	
APPLICATION SPEC: -	SIZE: A1	CAGE CODE: 00779
WEIGHT: -	DRAWING NO: C=6610054	RESTRICTED TO: -
CUSTOMER DRAWING	SCALE: 4:1	SHEET: 1 OF 2

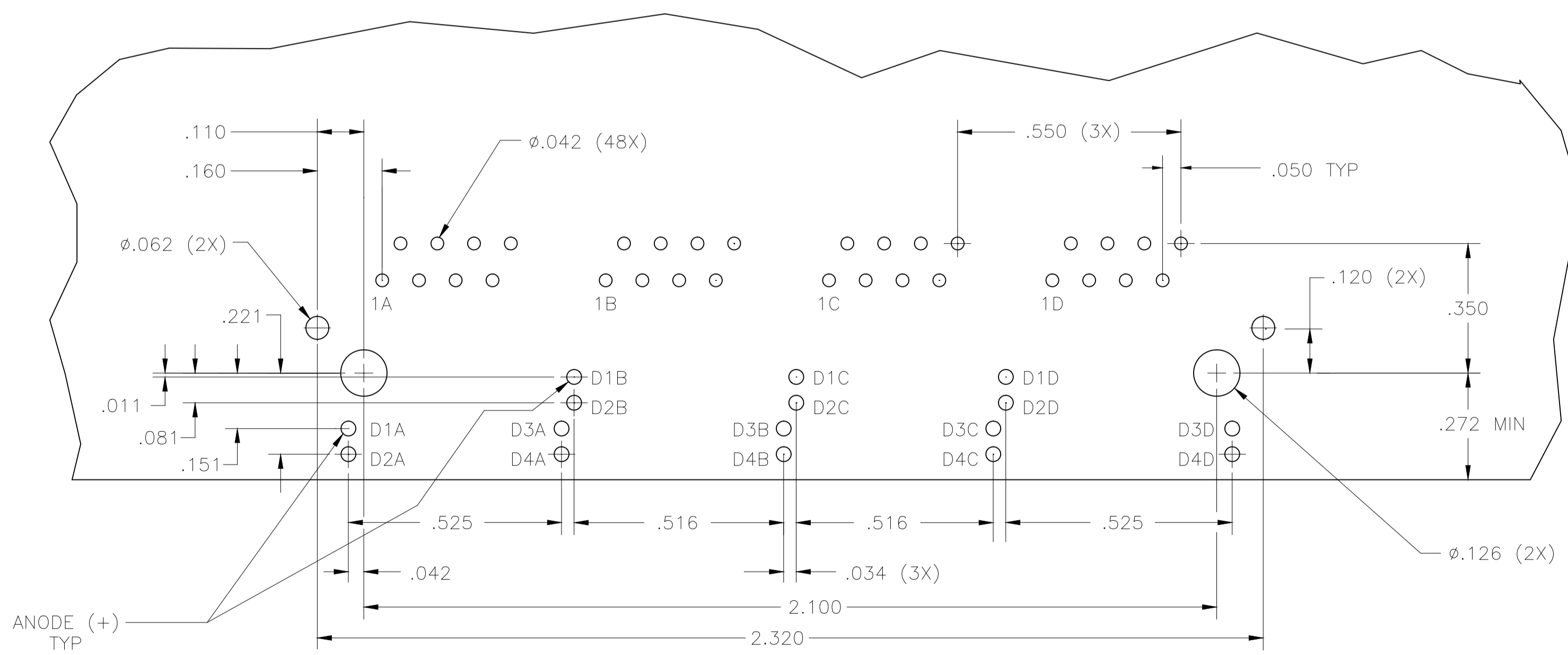
766K1 SERIES MAGNETIC CIRCUIT $\triangle 3 \triangle 6$



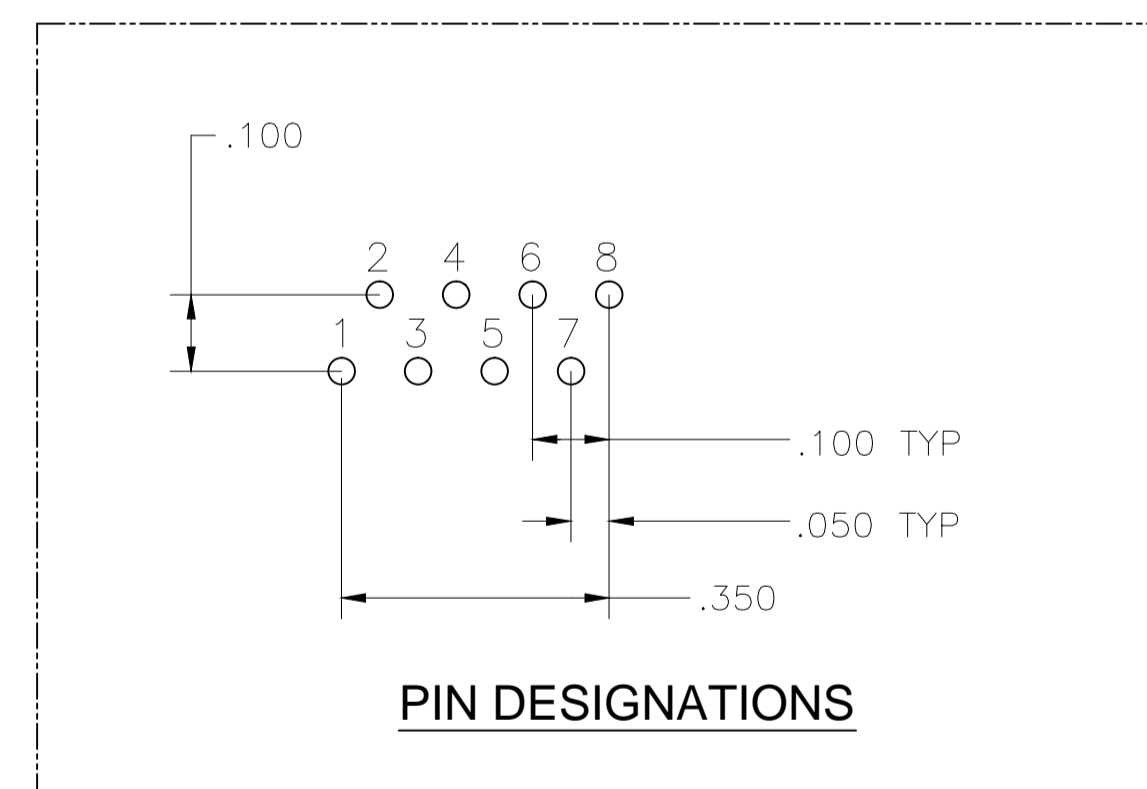
C1 = 1000pF. 2kV CAPACITOR
R1-R4 = 75 OHMS, 1/16 W RESISTORS



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



SUGGESTED PCB LAYOUT
(Component Side)



PIN DESIGNATIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN L. VARELA - 16MAR2005	TRP connector Dongguan China
DIMENSIONS: INCHES		CHK D. FAROLE - 16MAR2005	APPROV D. FAROLE - 16MAR2005
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100	NAME 1X4 MAG45(TM) MODULAR JACK, 7K1 SCHEMATIC, 66 SERIES CIRCUIT, SHIELDED, DECOUPLING CAPACITOR, WITH LEADS
		APPLIC. SPEC	RESTRICTED TO
MATERIAL		WEIGHT	SIZE A1
FINISH		CUSTOMER DRAWING	CAGE CODE 00779
		SCALE 4:1	DRAWING NO C=6610054
		SHEET 2	REV D