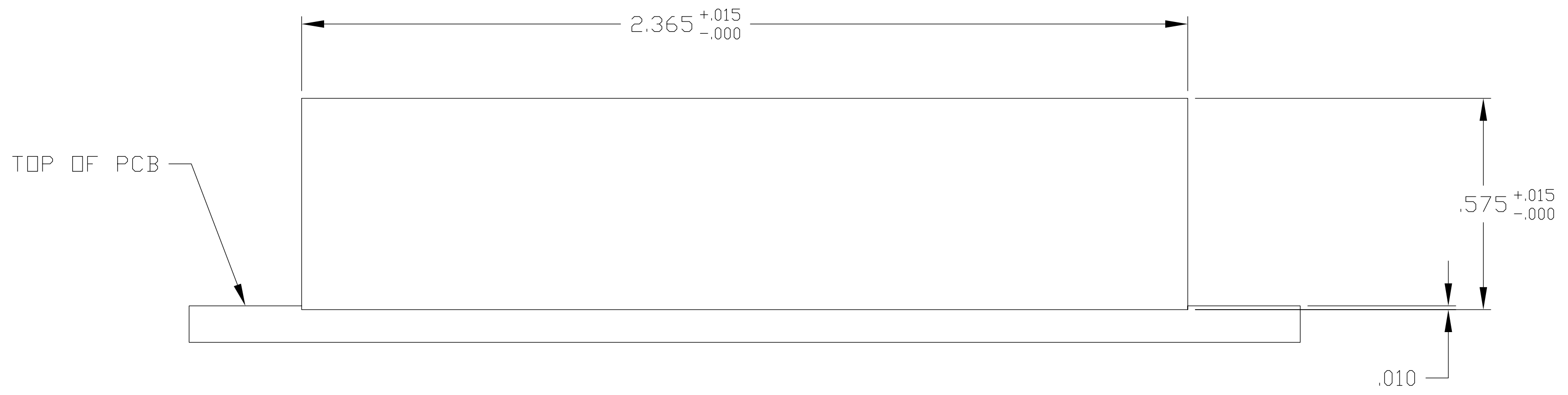
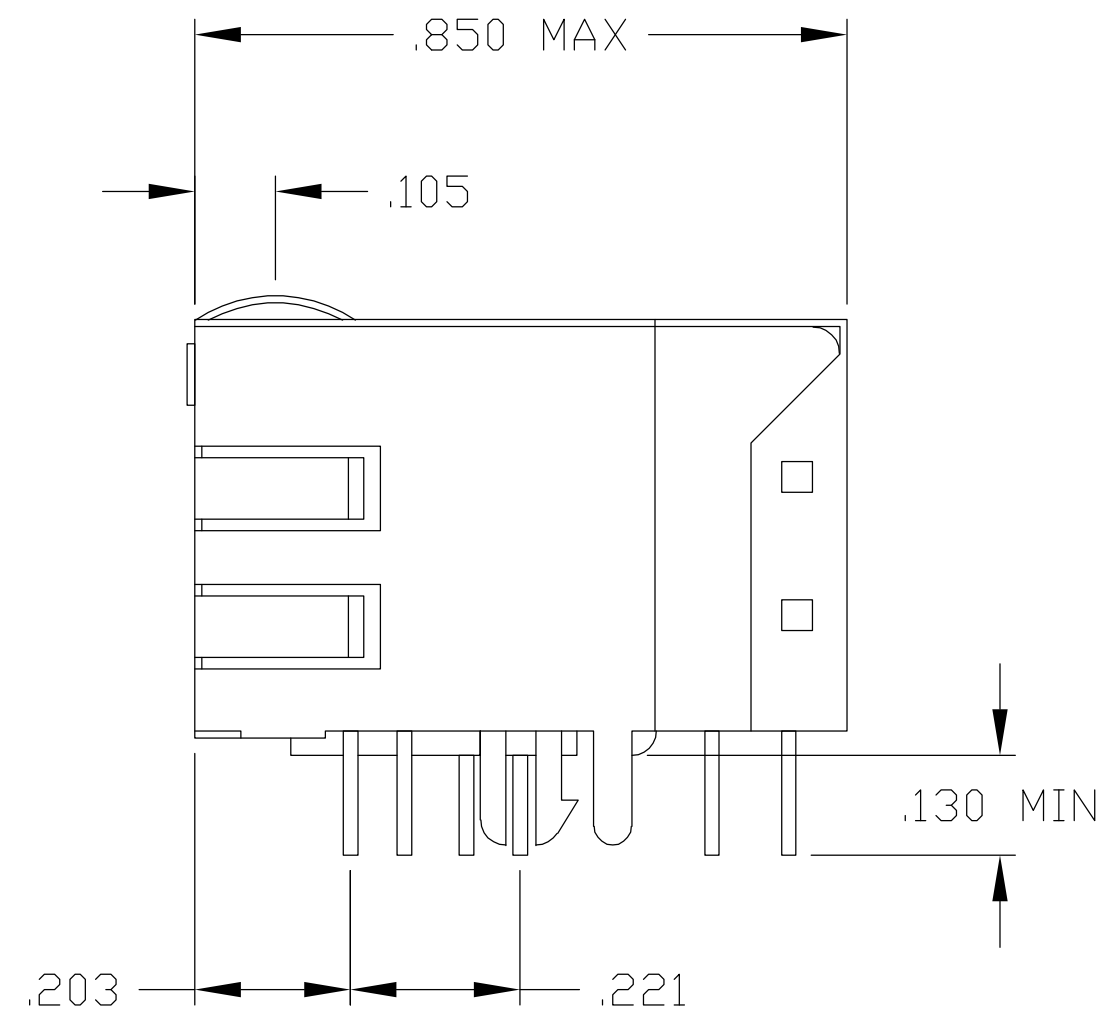
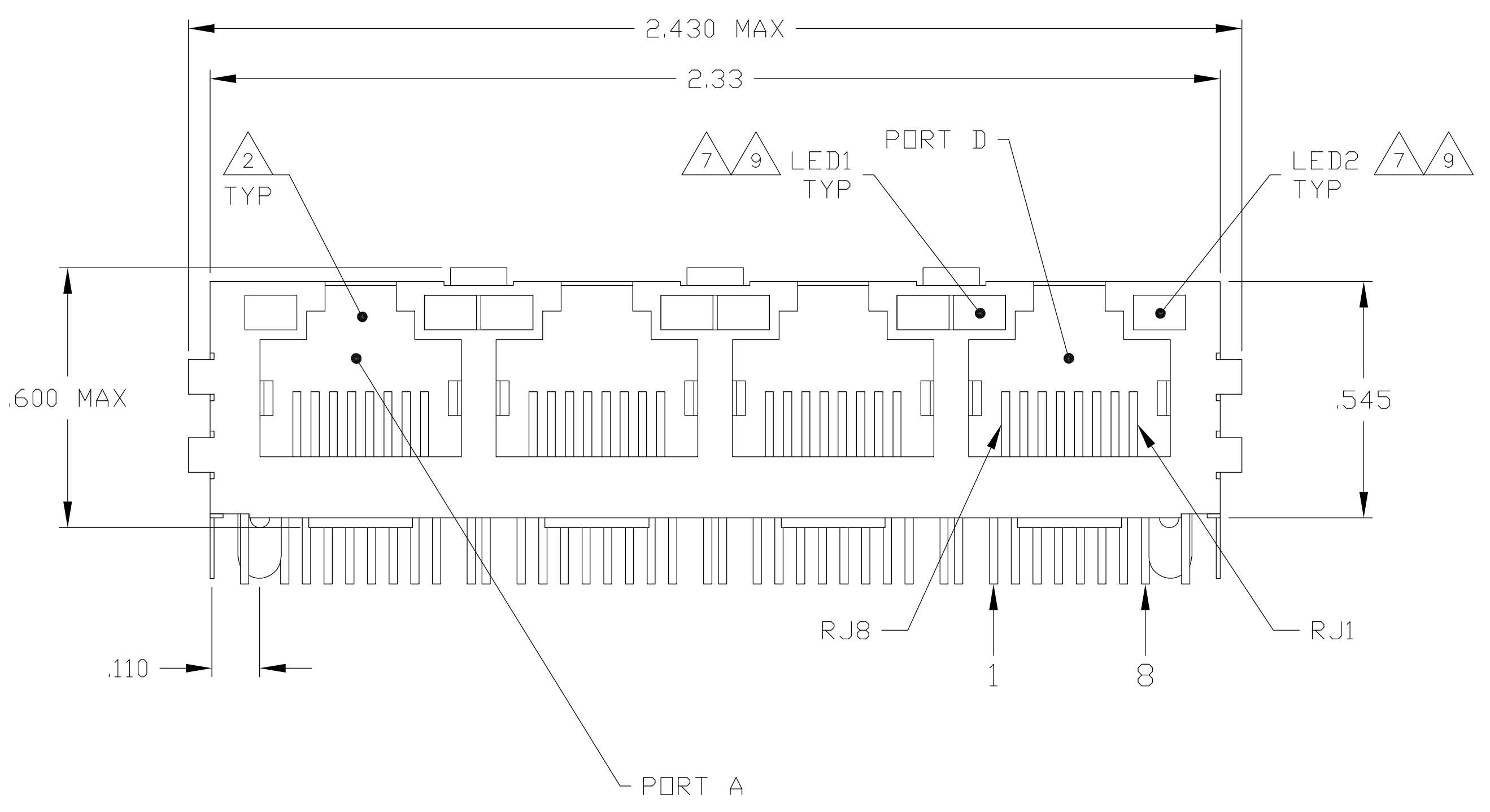
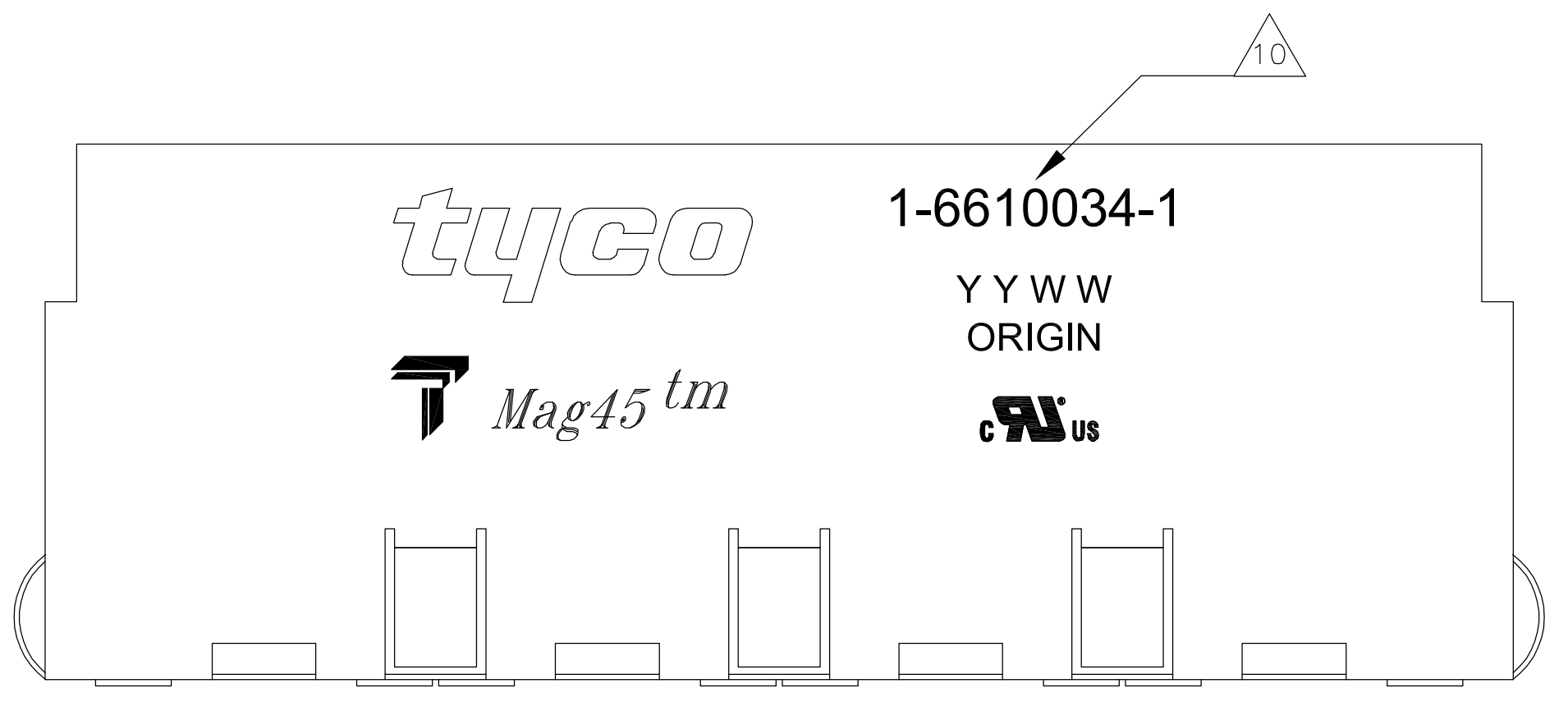


MECHANICAL:



1X4 SUGGESTED PANEL CUTOUT

- ⚠ 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 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- ⚠ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- ⚠ 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
 - 33-20LOG(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 a or b.
- ⚠ C1 IS AN OPTIONAL 1000 pF, 2KV DECOUPLING CAPACITOR. IF NO CAPACITOR, TRACE IS CONTINUOUS. SEE TABLE FOR PRESENCE OF CAPACITOR IN DIFFERENT CONFIGURATIONS.
- 5. OPERATING TEMPERATURE: FROM 0° TO +70°C.
- ⚠ R1-R4 = 75 OHMS, 1/16 W, 5% RESISTORS.
- ⚠ LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS. WHEN OPERATED UP TO 20 mA. THE 250 OHM RESISTORS ARE INCLUDED ON 6605704-1 ONLY.
- ⚠ INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- ⚠ LED PEAK WAVELENGTH: GREEN(λ) = 565nm
YELLOW(λ) = 585nm
- ⚠ TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

YES	GREEN	YELLOW	5-6610034-1
NO	GREEN	GREEN	1-6610034-1
DECOUPLING CAPACITOR ⚠	LED1 ⚠	LED2 ⚠	PART NUMBER

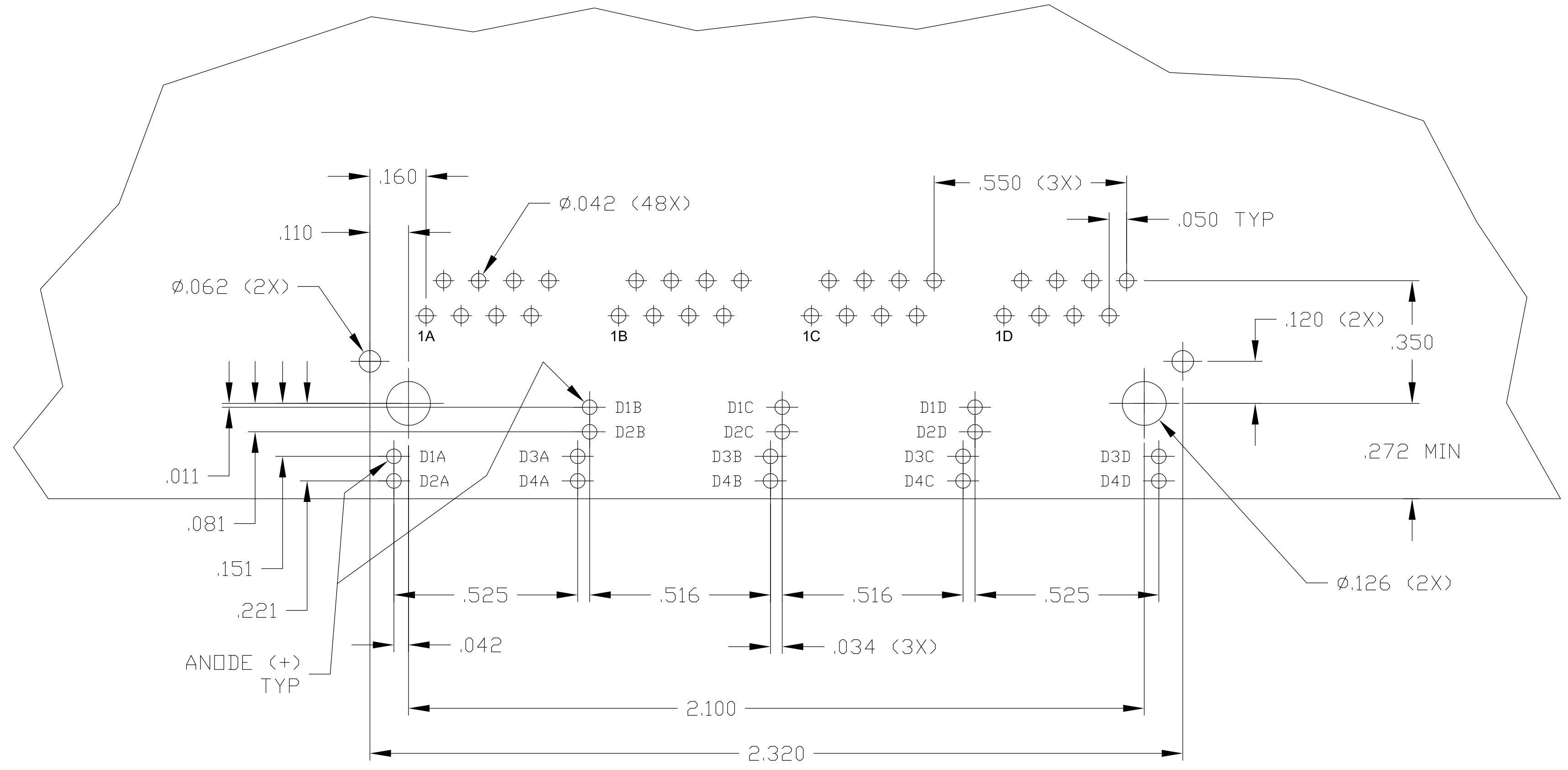
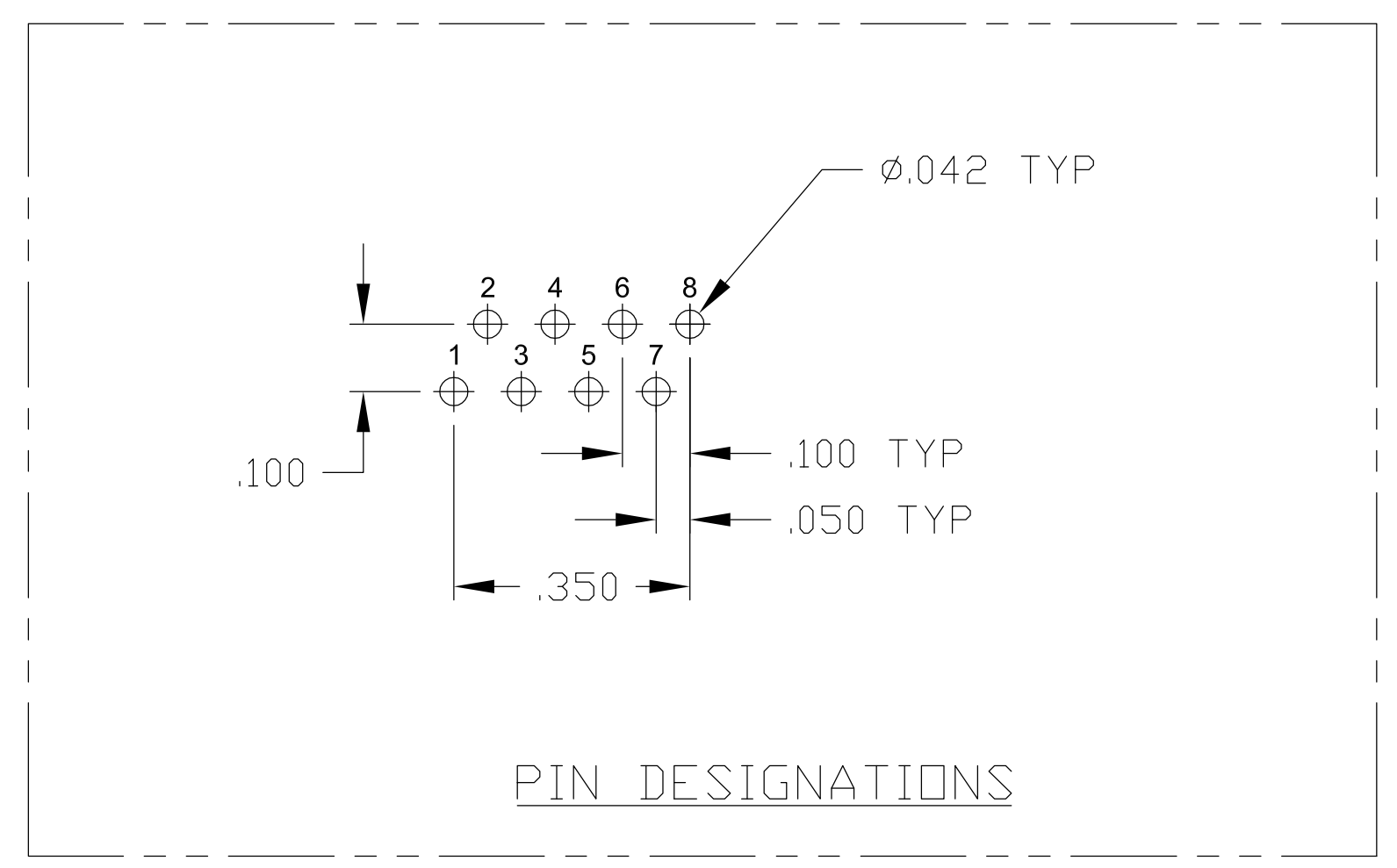
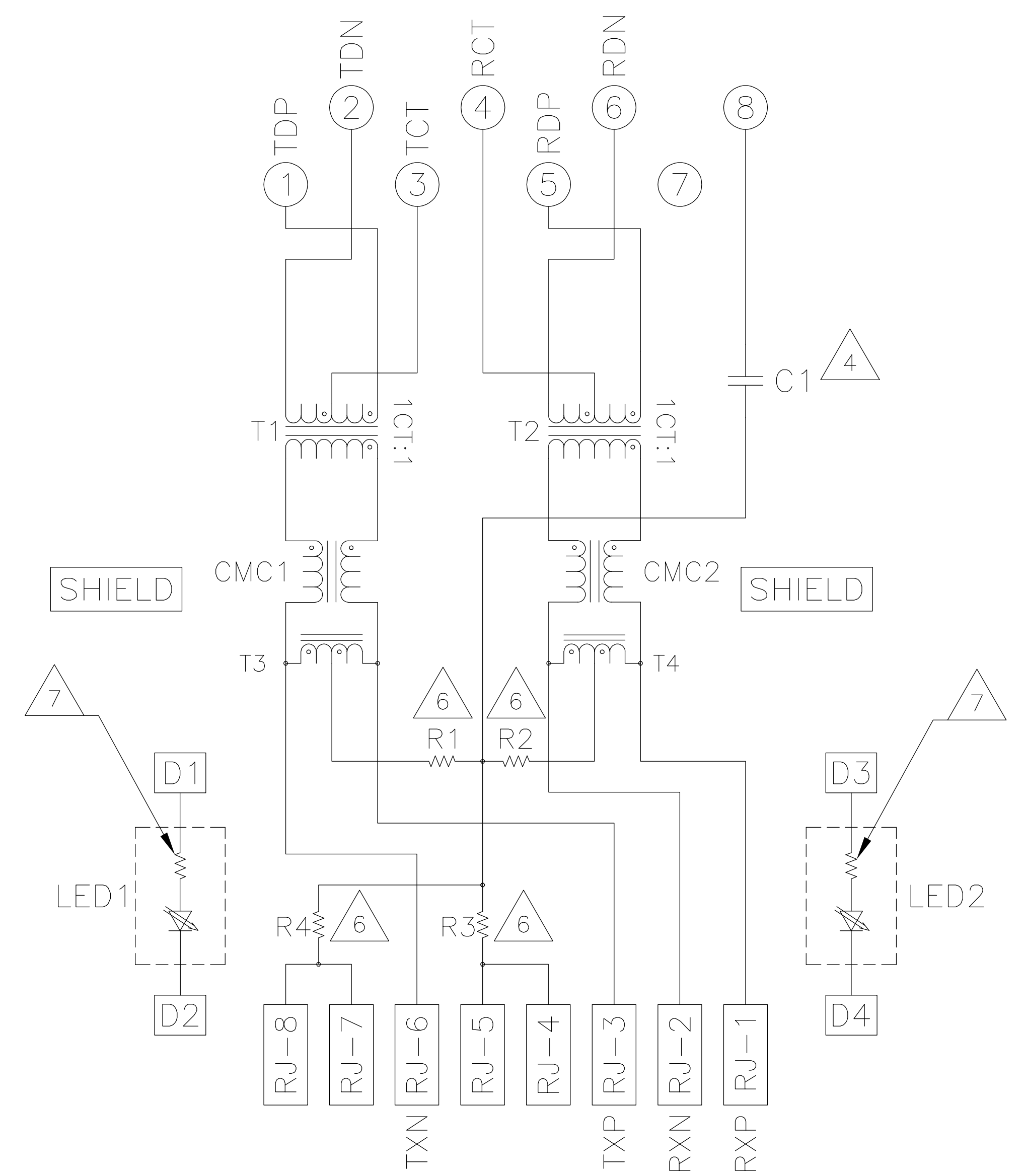
THIS DRAWING IS A CONTROLLED DOCUMENT.

DW	L VARELA - 16MAR2005	Tyco Electronics Corporation Harrisburg, PA 17105-3608
CHK	D FAROLE - 16MAR2005	
APD	D FAROLE - 16MAR2005	NAME
DIMENSIONS: INCHES		PRODUCT SPEC
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC
0 PLC	± -	SIZE
1 PLC	± -	CAGE CODE
2 PLC	± .010	DRAWING NO
3 PLC	± .005	RESTRICTED TO
4 PLC	± -	
ANGLES	± -	
FINISH	± -	


1X4 MAG45(TM) MODULAR JACK, 7H2 SCHEMATIC, 75S SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, RESISTOR LEDS

SCALE 4:1 SHEET 1 OF 2 REV A

755 SERIES MAGNETIC CIRCUIT 



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN L. VARELA - 16MAR2005	 Tyco Electronics Corporation Harrisburg, PA 17105-3608
DIMENSIONS: INCHES		CHK D. FAROLE 16MAR2005	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APRD D. FAROLE 16MAR2005	NAME 1X4 MAG45(TM) MODULAR JACK, 7H2 SCHEMATIC, 755 SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, RESISTOR LEDS
0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± - FINISH -		PRODUCT SPEC 108-2100	RESTRICTED TO
MATERIAL		SIZE A1	CAGE CODE 00779
		DRAWING NO. 6610034	SCALE 4:1
CUSTOMER DRAWING		WEIGHT	SHEET 2 OF 2
			REV A