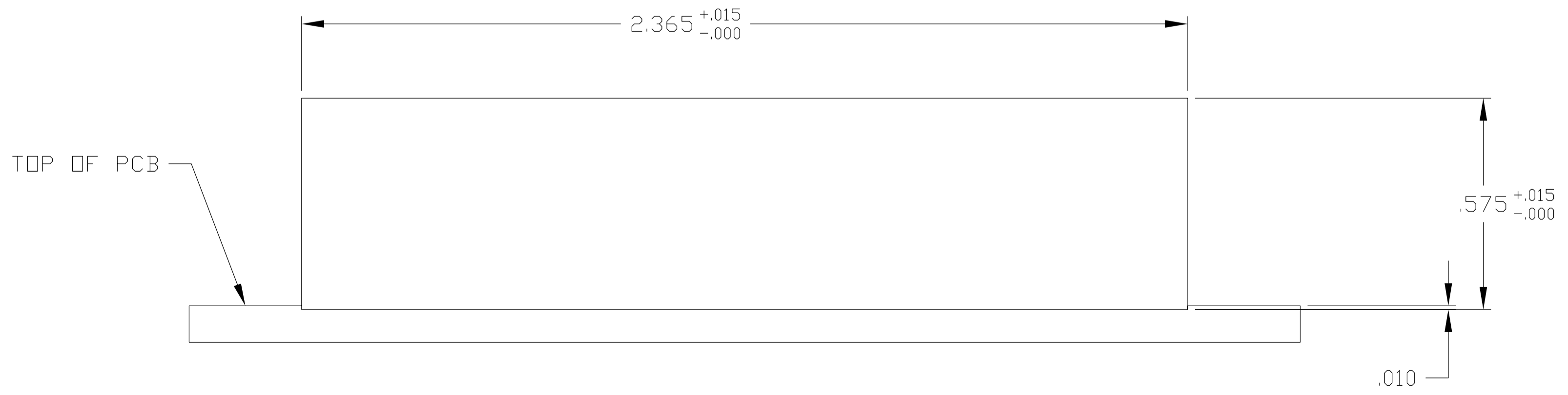
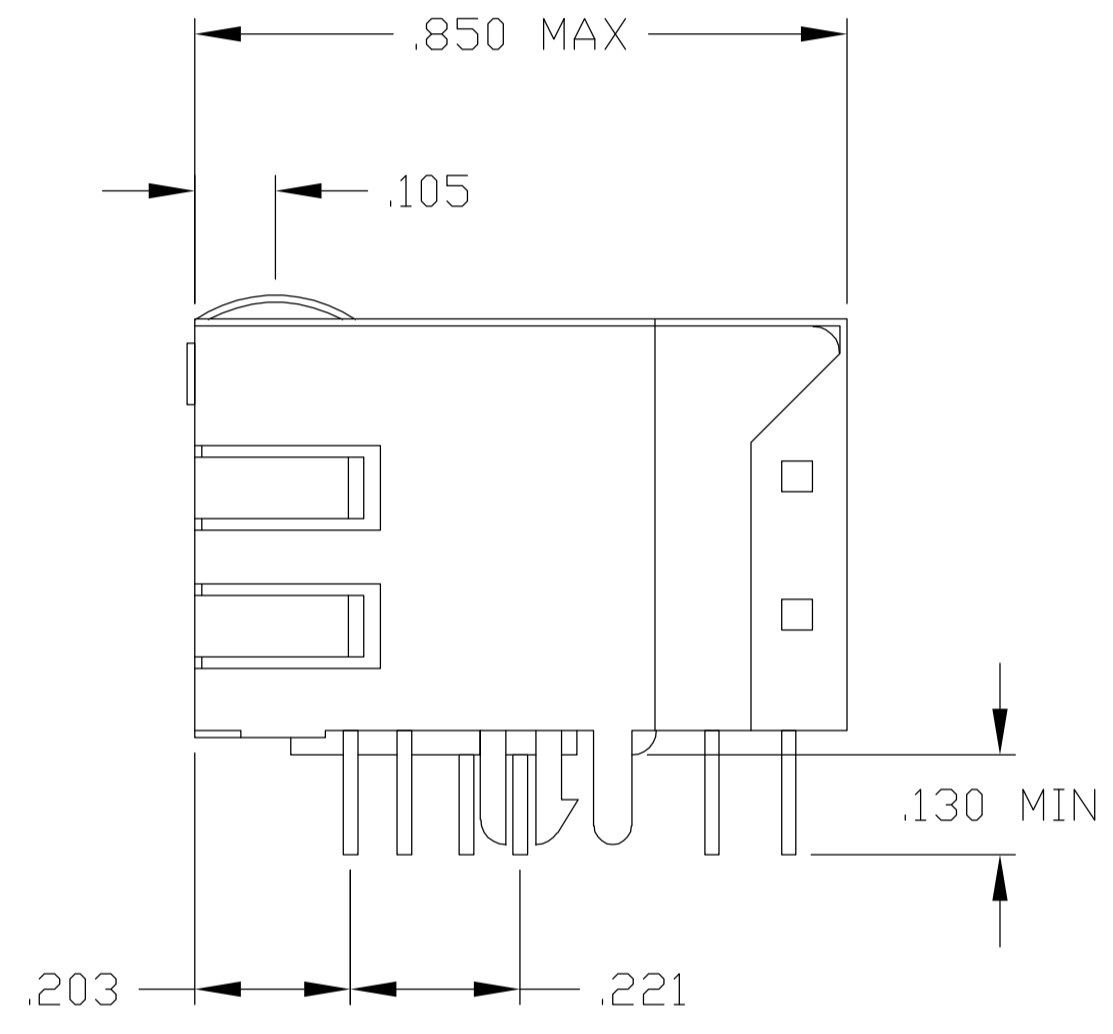
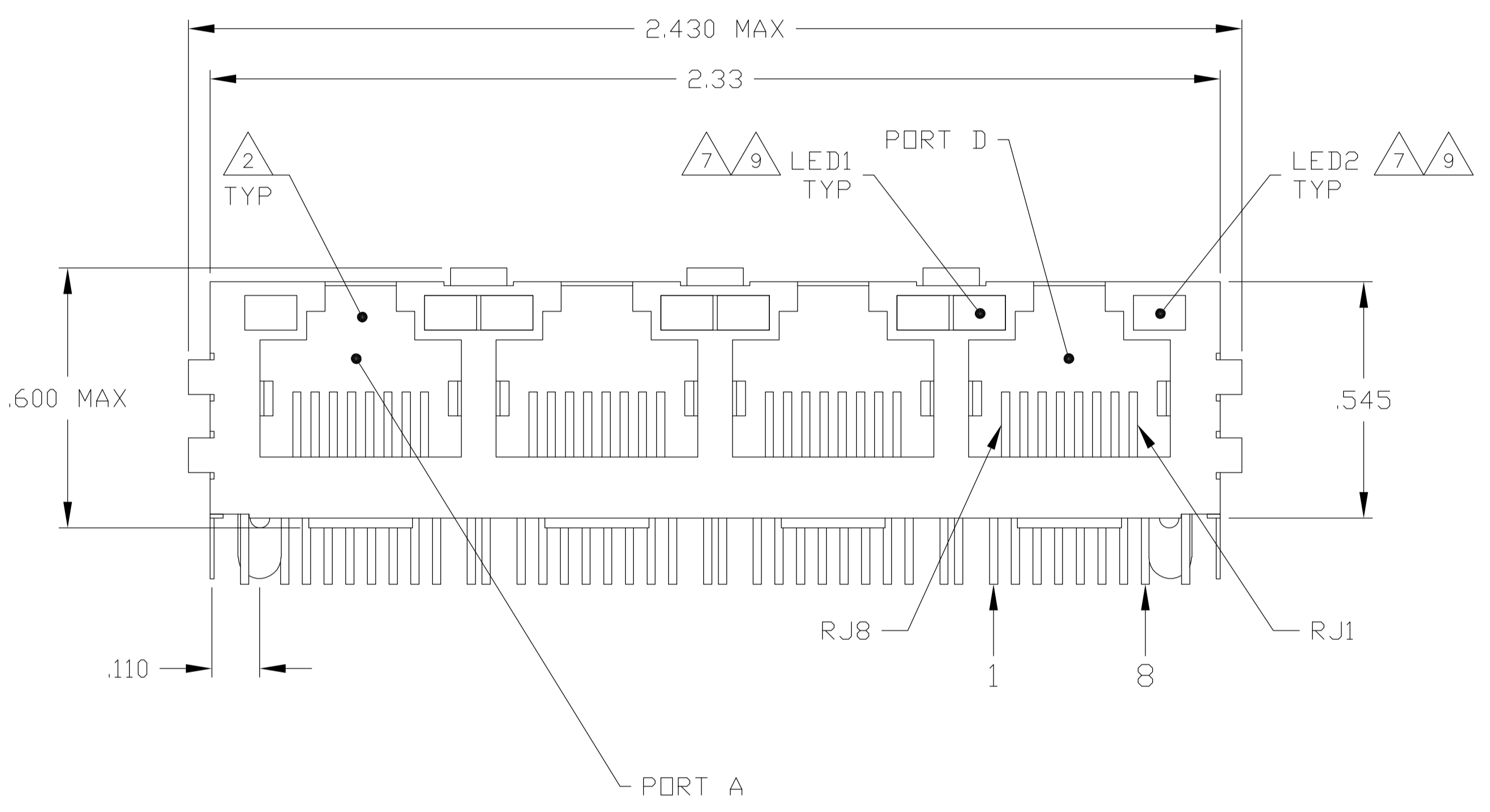
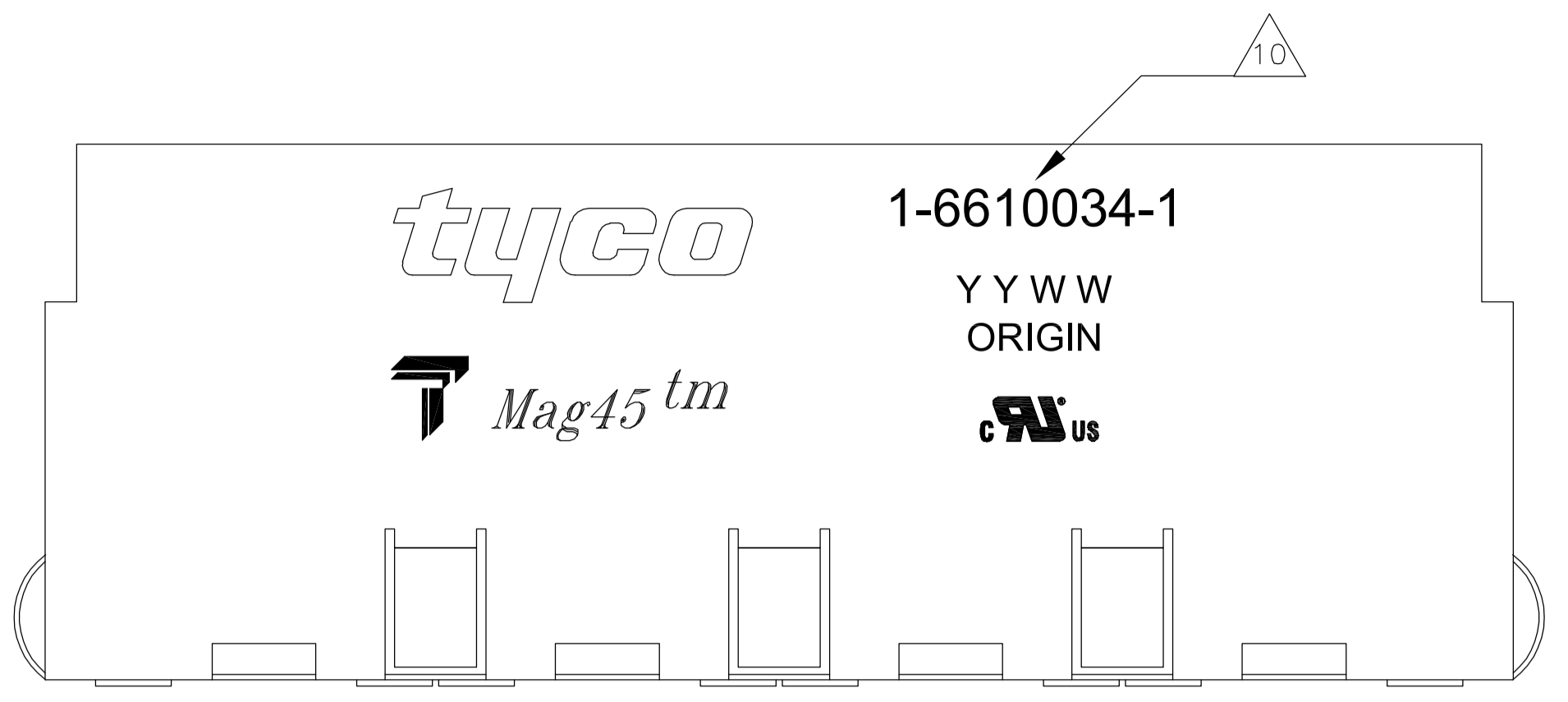


MECHANICAL:



1X4 SUGGESTED PANEL CUTOUT

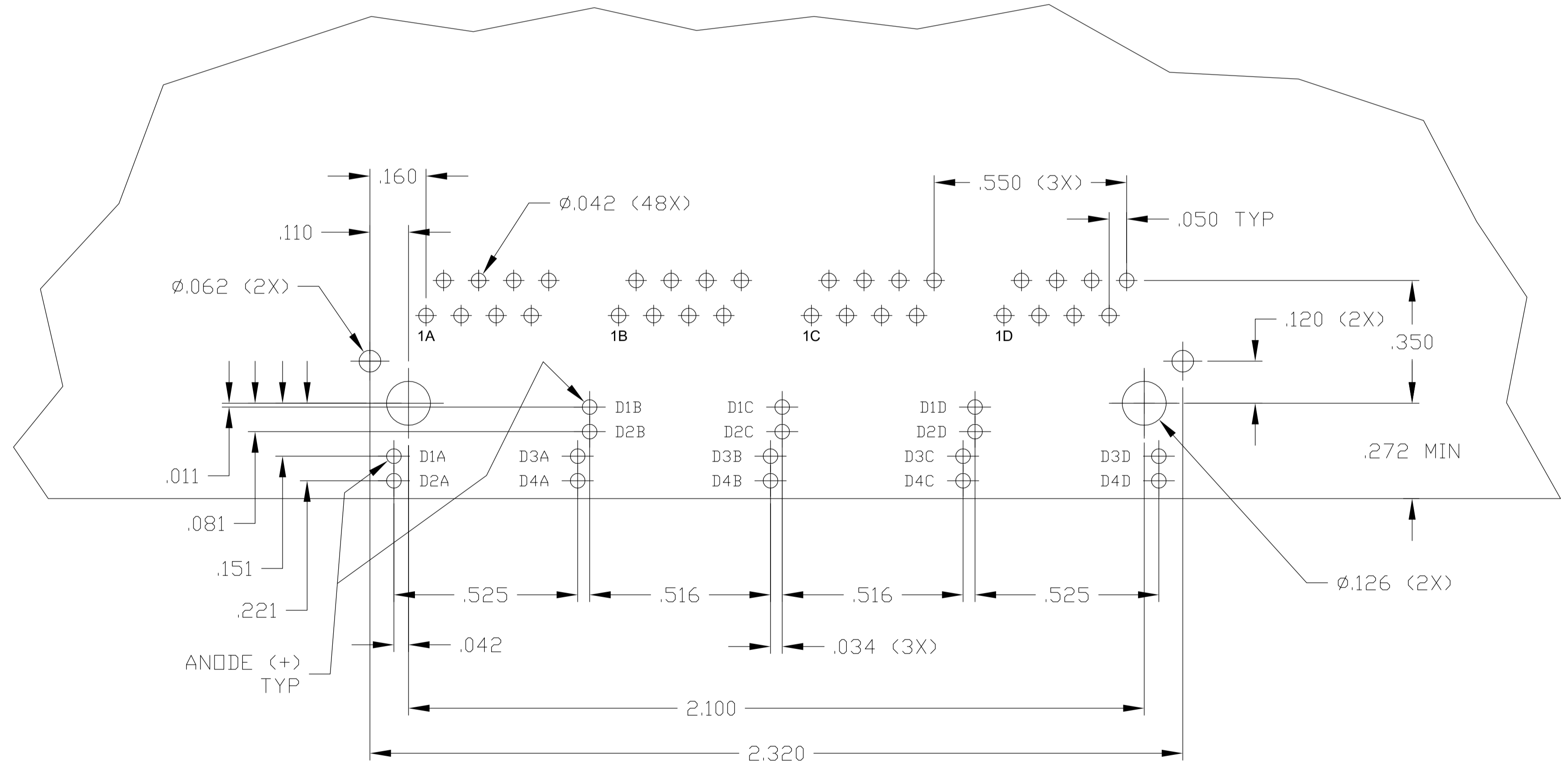
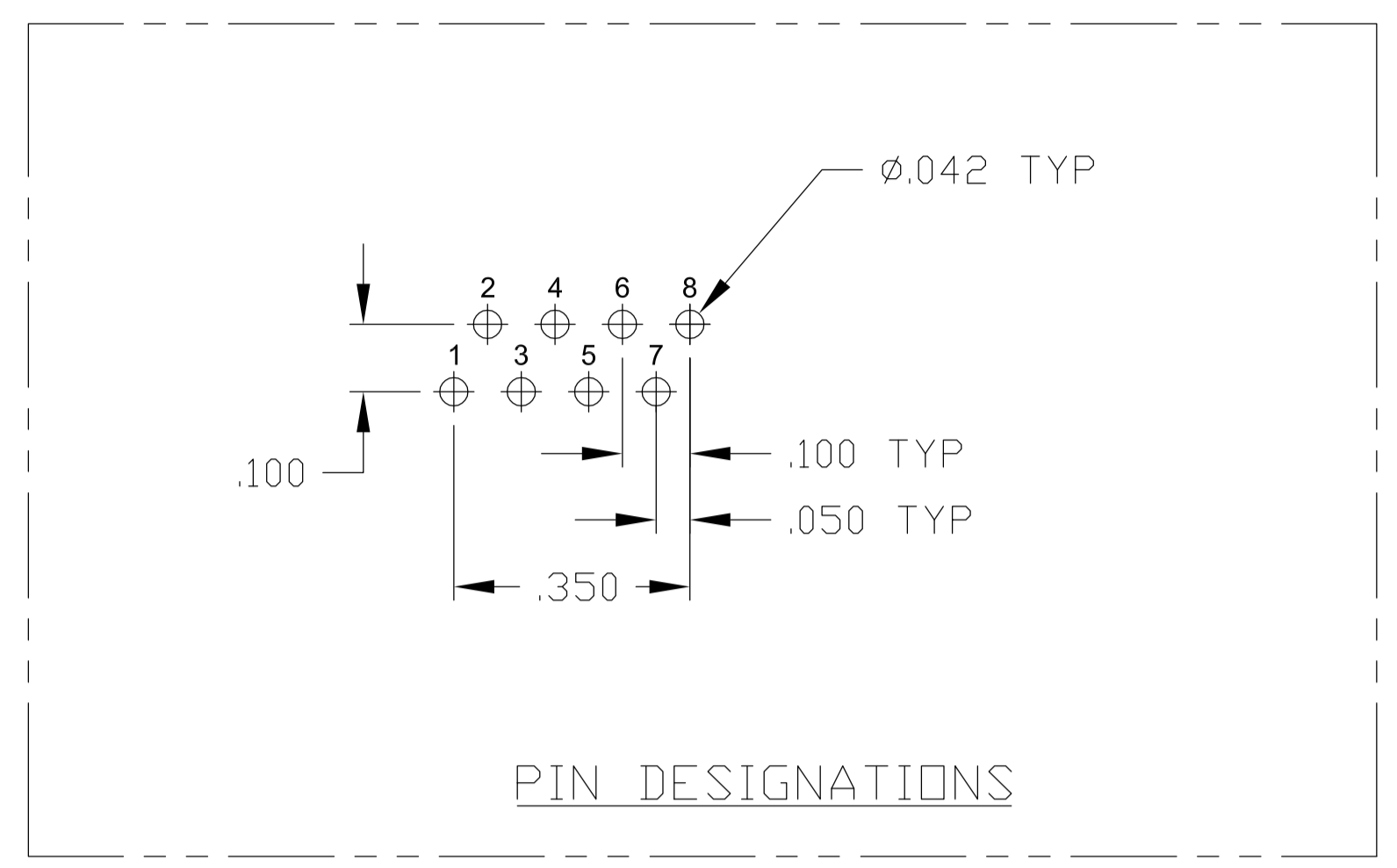
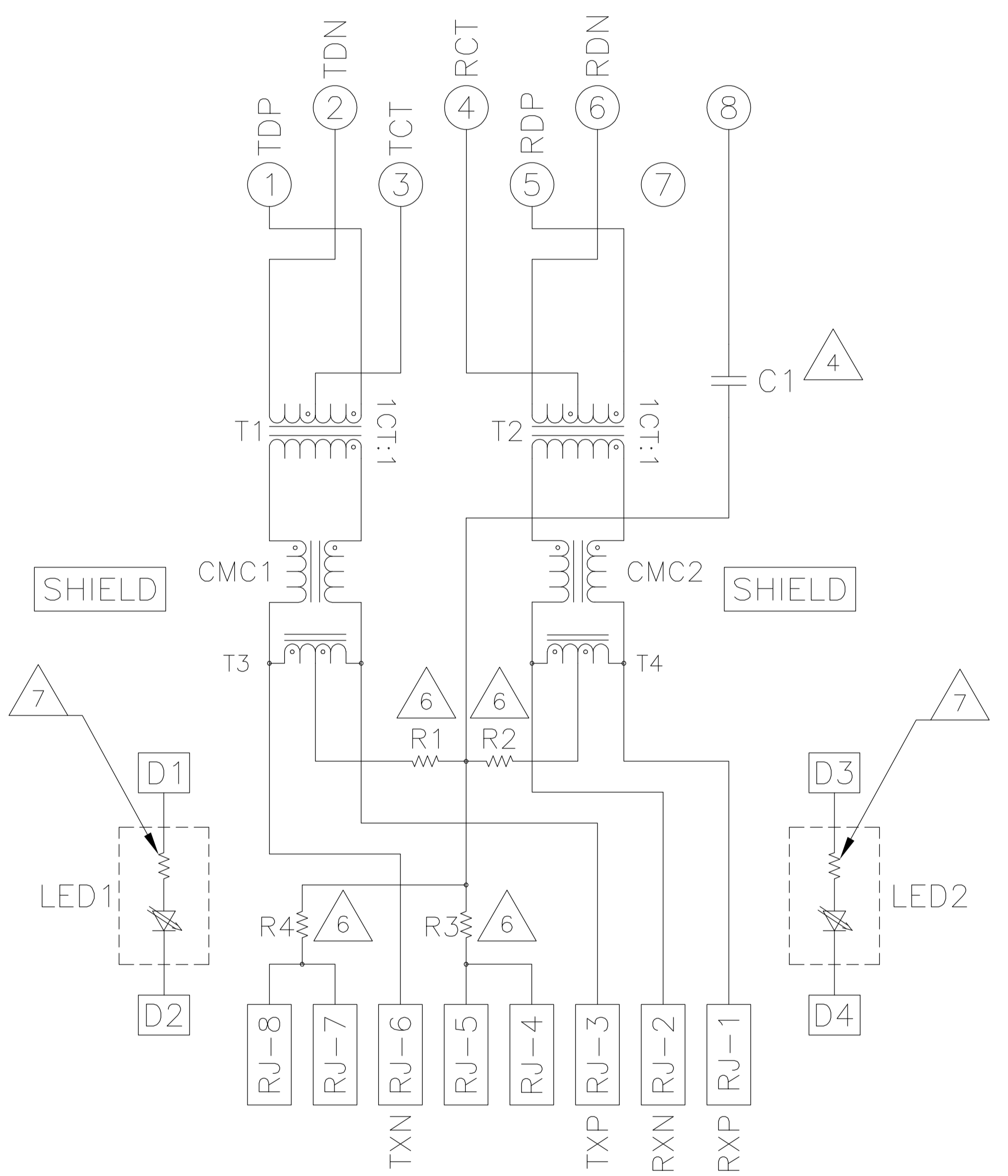
- △ MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL 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 △4	LED1 △	LED2 △	PART NUMBER


THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	L. VARELA - 16MAR2005		Tyco Electronics Corporation
CHK	D. FAROLE - 16MAR2005		Harrisburg, PA 17105-3608
APVD	D. FAROLE	NAME	1X4 MAG45(TM) MODULAR JACK.
		PRODUCT SPEC	7H2 SCHEMATIC, 75S SERIES CIRCUIT, SHIELDED,
		APPLICATION SPEC	OPTIONAL DECOUPLING CAPACITOR, RESISTOR LEDS
		SIZE	A1
		CAGE CODE	00779
		DRAWING NO	6610034
		RESTRICTED TO	
		CUSTOMER DRAWING	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 ± -	PRODUCT SPEC 108-2100	SIZE CAGE CODE DRAWING NO A1 00779 6610034
2 PLC ± .010	3 PLC ± .005	APPLICATION SPEC	RESTRICTED TO
4 PLC ± -	ANGLES ± -	WEIGHT -	SCALE 4:1 SHEET 2 OF 2 REV A
MATERIAL -	FINISH -	CUSTOMER DRAWING	