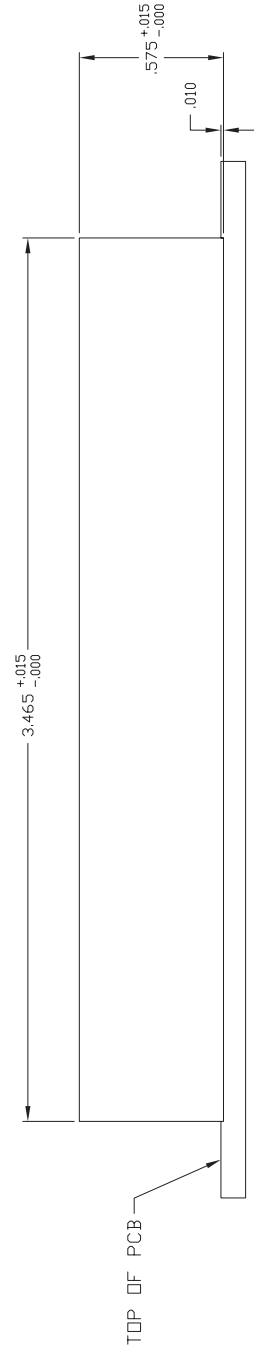
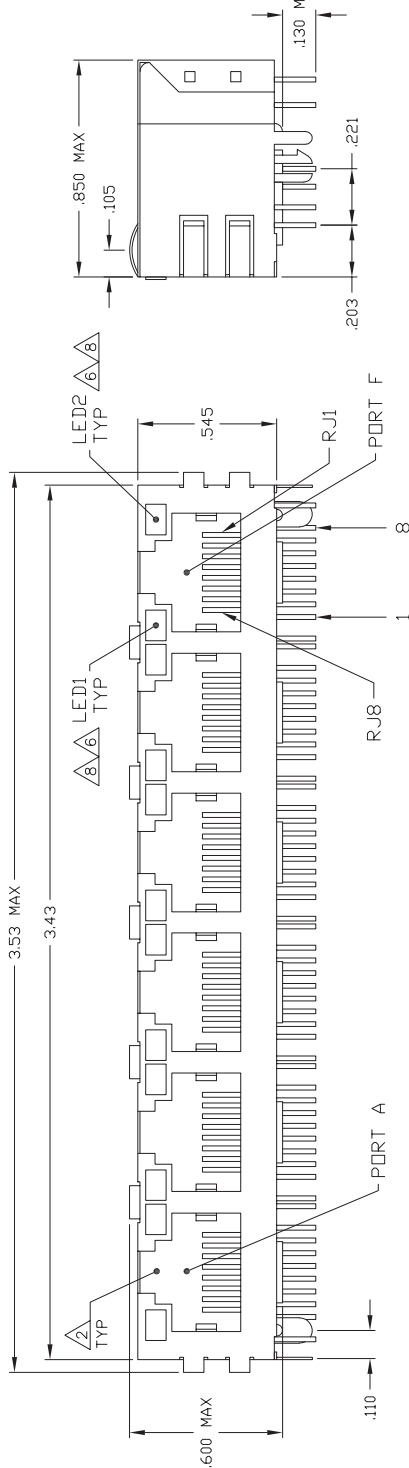
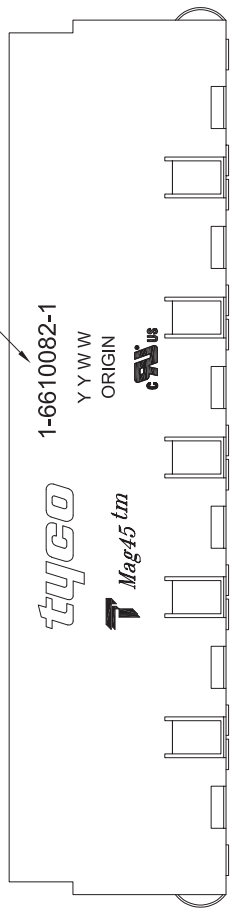


REV	DATE	BY	CHKD	APP'D
AA	22	PT	TY	TY
REVISIONS				
A		REV PER EC 0813-0865-04		
TYMAG45 LV DF				

MECHANICAL:



1X6 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.

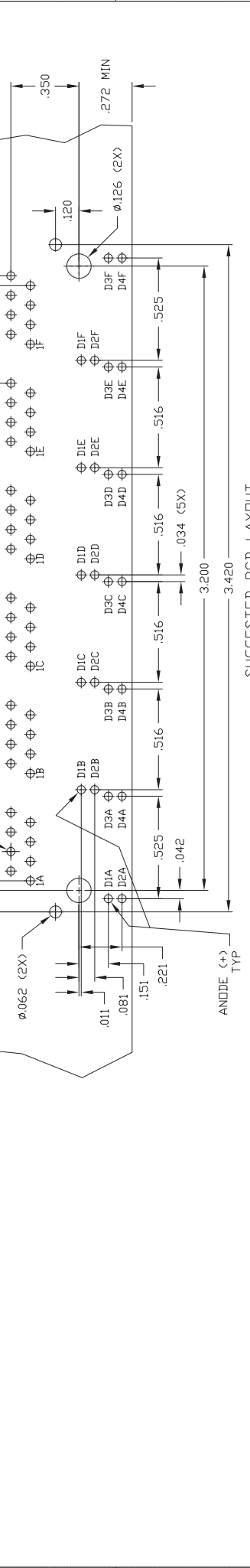
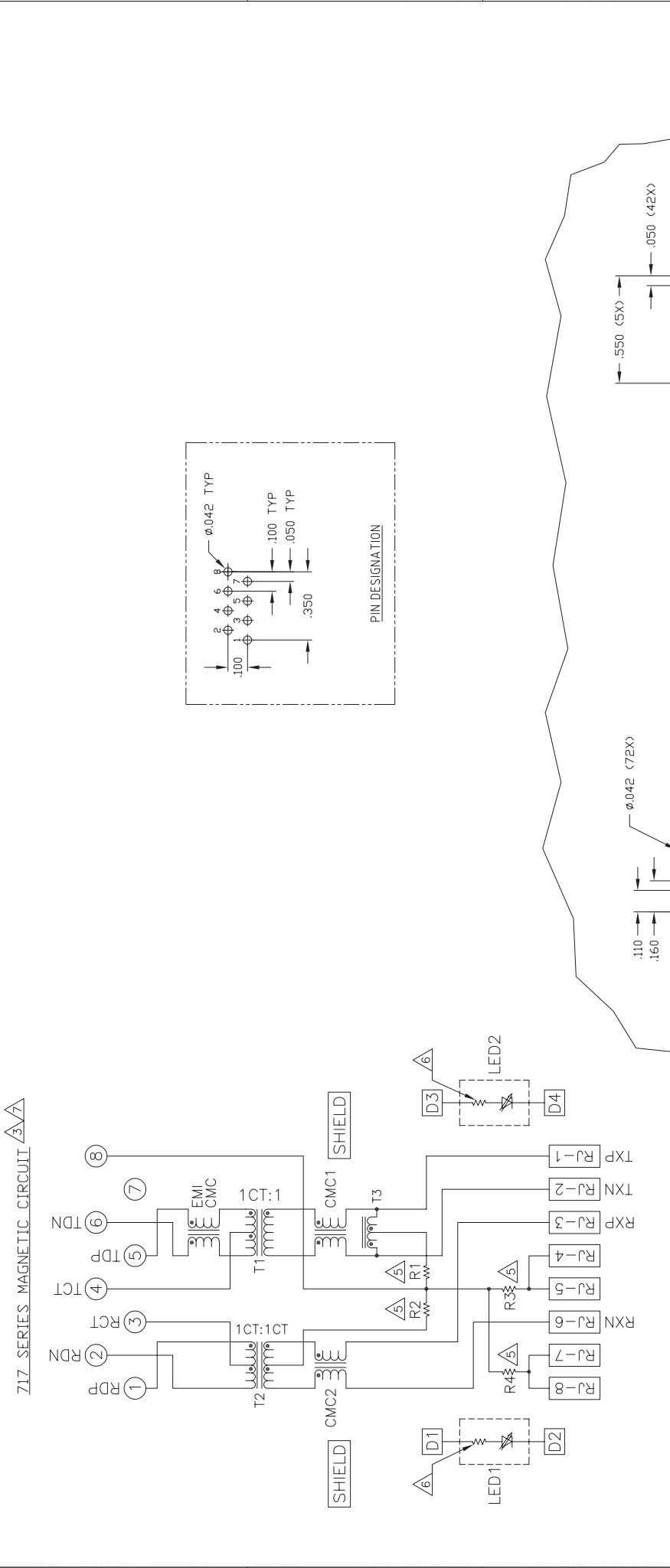
- 3. MAGNETICS
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP/CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100KHZ, 0.1VRMS,
 - 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
 - PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.4dB MAX FROM 0.5MHZ TO 100MHZ
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHZ TO 30MHZ
 - 18-20LOG(f/30)dB MIN FROM 30.1MHZ TO 60MHZ
 - 12dB MIN FROM 60.1MHZ TO 80MHZ
 - 33-20*LOG(f/50)dB MIN FROM 4.0.1MHZ TO 100MHZ
 - CROSS TALK ATTENUATION: 35dB MIN FROM 0.5MHZ TO 40MHZ
 - 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.
 - OPERATING TEMPERATURE: FROM 0°C TO +70°C.

- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 5. R1-R4 = 75 OHMS, 1/16 W, 5% RESISTORS.
- 6. LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS, WHEN OPERATED UP TO 20 mA. THE 250 OHM RESISTOR IS INCLUDED.
- 7. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND DO NOT SUPPORT AUTO-MDI/MDIX.
- 8. LED PEAK WAVELENGTH: GREEN(λ) = 565nm.
- 9. TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

GREEN	LED1	GREEN	LED2	1-6610082-1
PART NUMBER				
Tyco Electronics Corporation Harrisburg, PA 17105-3608				
1X6 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 717 MAGNETIC CIRCUIT, SHIELDED, RESISTOR, LEDS				
DATE CODE (YEAR/MO)				
PART NUMBER				
CUSTOMER DRAWING				

717 SERIES MAGNETIC CIRCUIT

ELECTRICAL:



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.	FORM NUMBER	FORM NAME	FORM DATE	FORM REVISION
108-2100	108-2100	108-2100	108-2100	108-2100
108-2100	108-2100	108-2100	108-2100	108-2100
108-2100	108-2100	108-2100	108-2100	108-2100
108-2100	108-2100	108-2100	108-2100	108-2100

REV	DATE	DESCRIPTION
1	10M 1967	INITIAL RELEASE
2	10M 1967	REVISION 1
3	10M 1967	REVISION 2
4	10M 1967	REVISION 3
5	10M 1967	REVISION 4
6	10M 1967	REVISION 5
7	10M 1967	REVISION 6
8	10M 1967	REVISION 7
9	10M 1967	REVISION 8
10	10M 1967	REVISION 9

CUSTOMER DRAWING