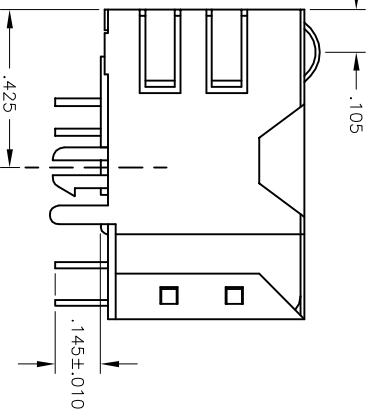
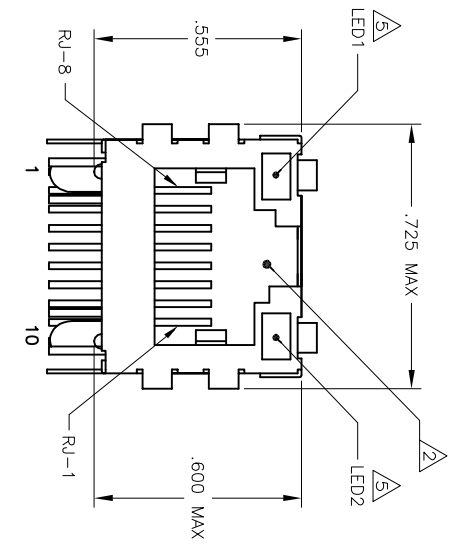
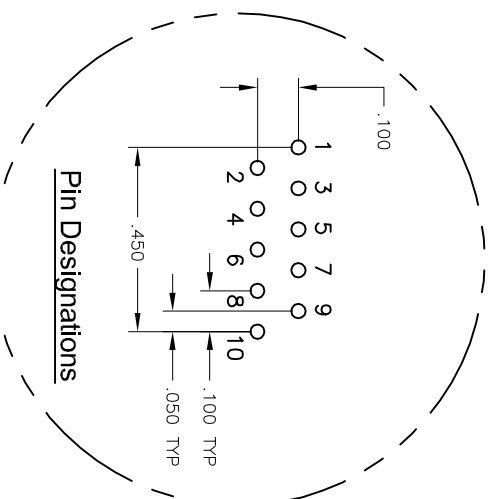
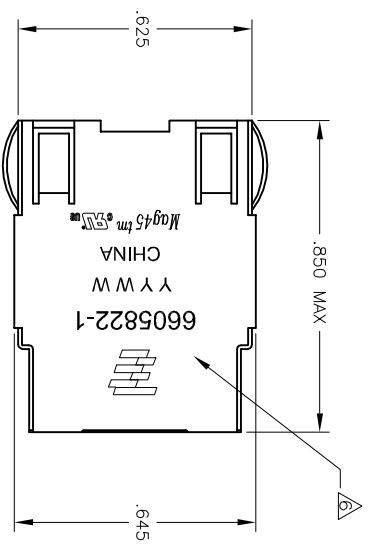
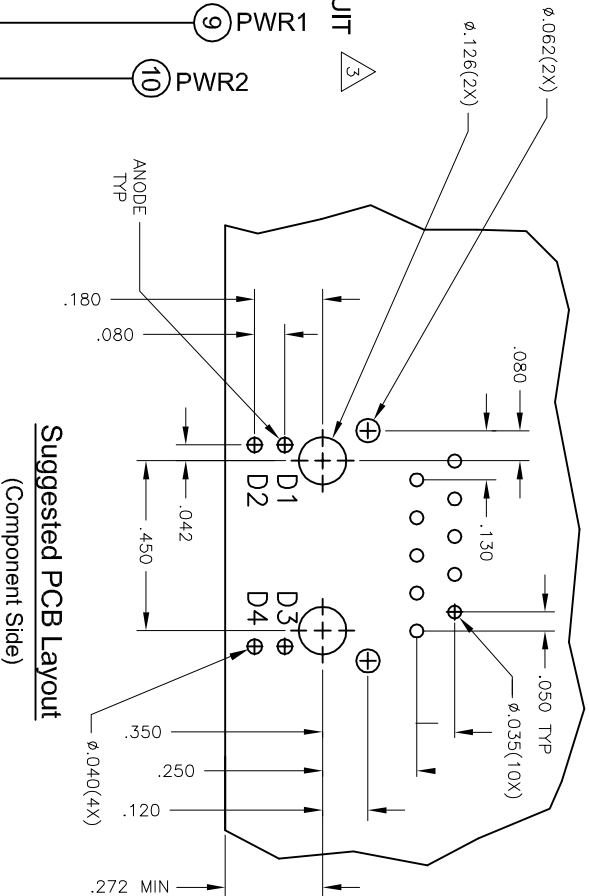
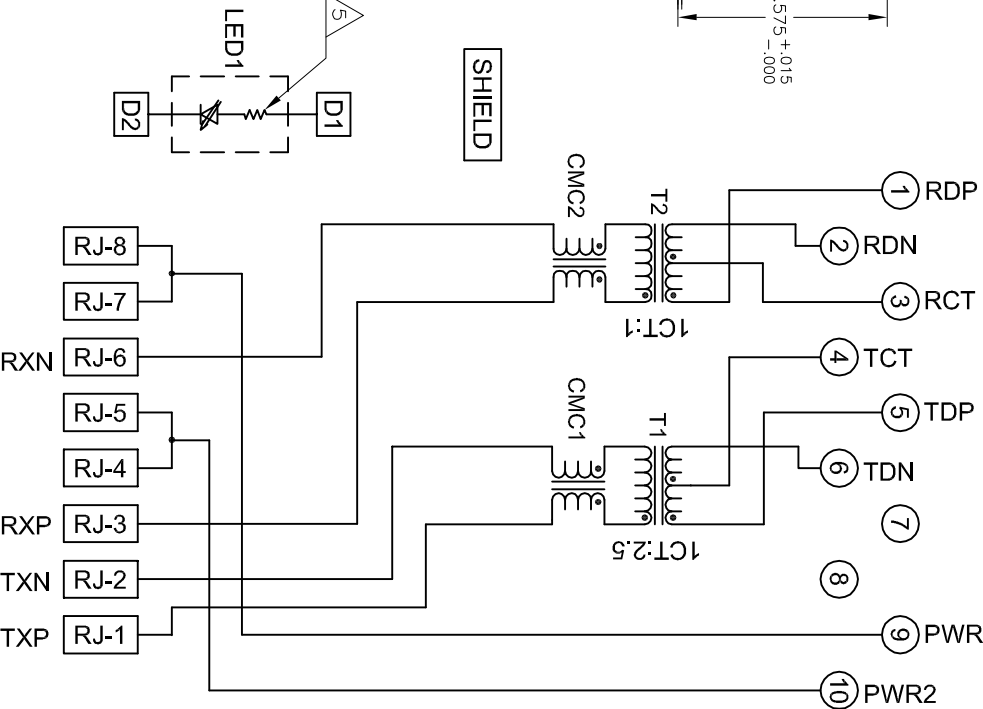


MECHANICAL:



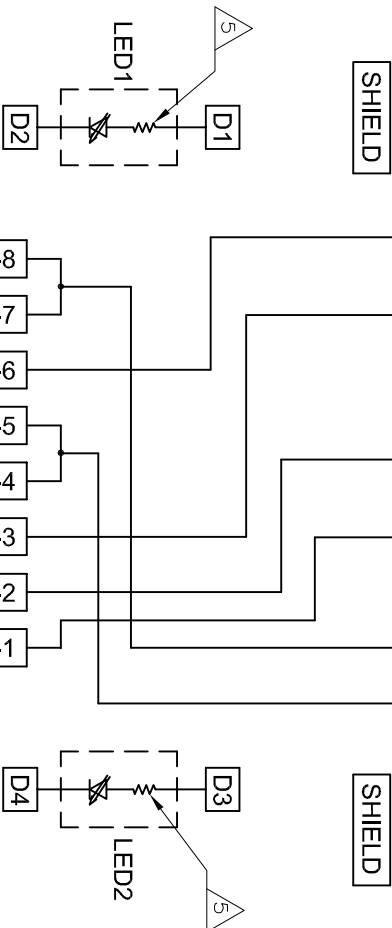
ELECTRICAL:

7U24 SERIES MAGNETIC CIRCUIT



Suggested PCB Layout
(Component Side)

Suggested Panel Cutout



MATERIALS:

-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94-V-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 - .0157" x 0.018" PHOSPHOR BRONZE, 50µINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50µINCH MIN HARD GOLD FINISH PLATE.
 -SOLDER TABS 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 4.0µINCH 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 = 1:2.5, RX = 1:1
 -POE CURRENT: 350mADC MAX
 PERFORMANCE @ 25°C
 -OPEN CIRCUIT INDUCTANCE (OCL): 14.0µH MIN @100kHz, 0.1VRMS, TX & RX
 -LEAKAGE INDUCTANCE: 0.30µH MAX @100kHz, 0.1VRMS
 -INTERWINDING CAPACITANCE: 15pF MAX @100kHz, 0.1VRMS
 -ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3af 2003, PARA 33.4.1, ITEM a

4. OPERATING TEMPERATURE: FROM 0°C TO +70°C

LEDS WITH BUILT-IN RESISTOR

LEDS ARE 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 12mA TYP @ VF=5V
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V

△ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

7. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10sec MAX.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE	
DATE	REV	DATE	REV
AA	22		
B			

DESCRIPTION:	1X1 MAG45(TM), MODULAR JACK, SHIELDED, 7U24 SERIES CIRCUIT, WITH RESISTOR LEADS
PRODUCT SPEC:	108-2100
APPLICATION SPEC:	
SIZE	A1
DATE CODE	00779
ISSUE NO	6605822
RESTRICTED TO	

REV	1	OF	1	REV	B
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