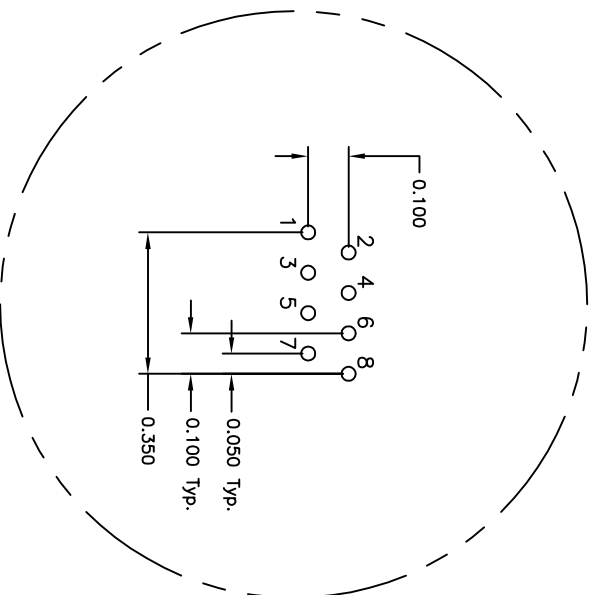
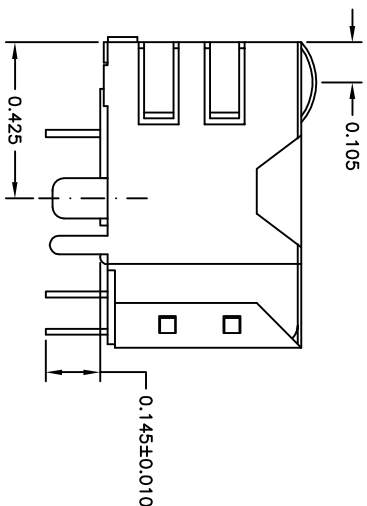
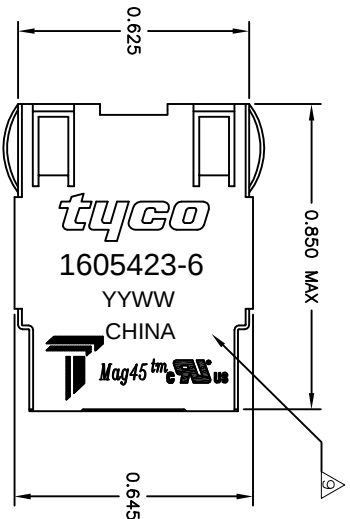
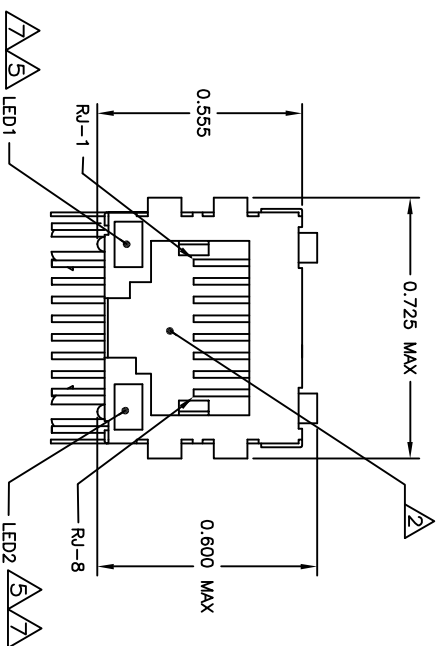
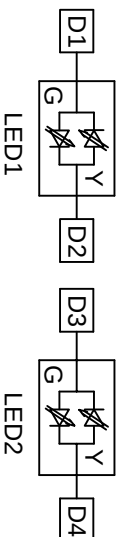
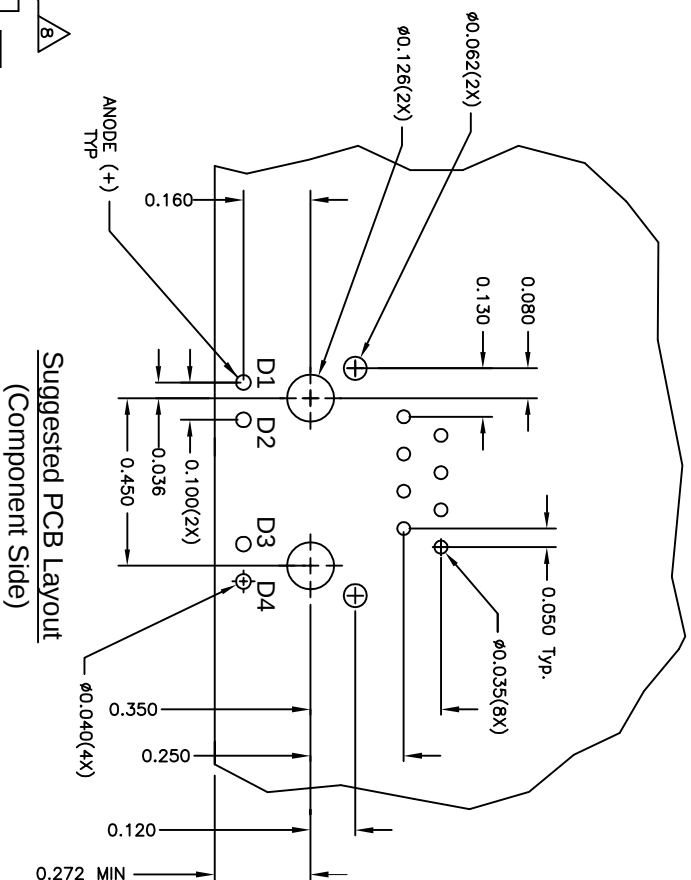
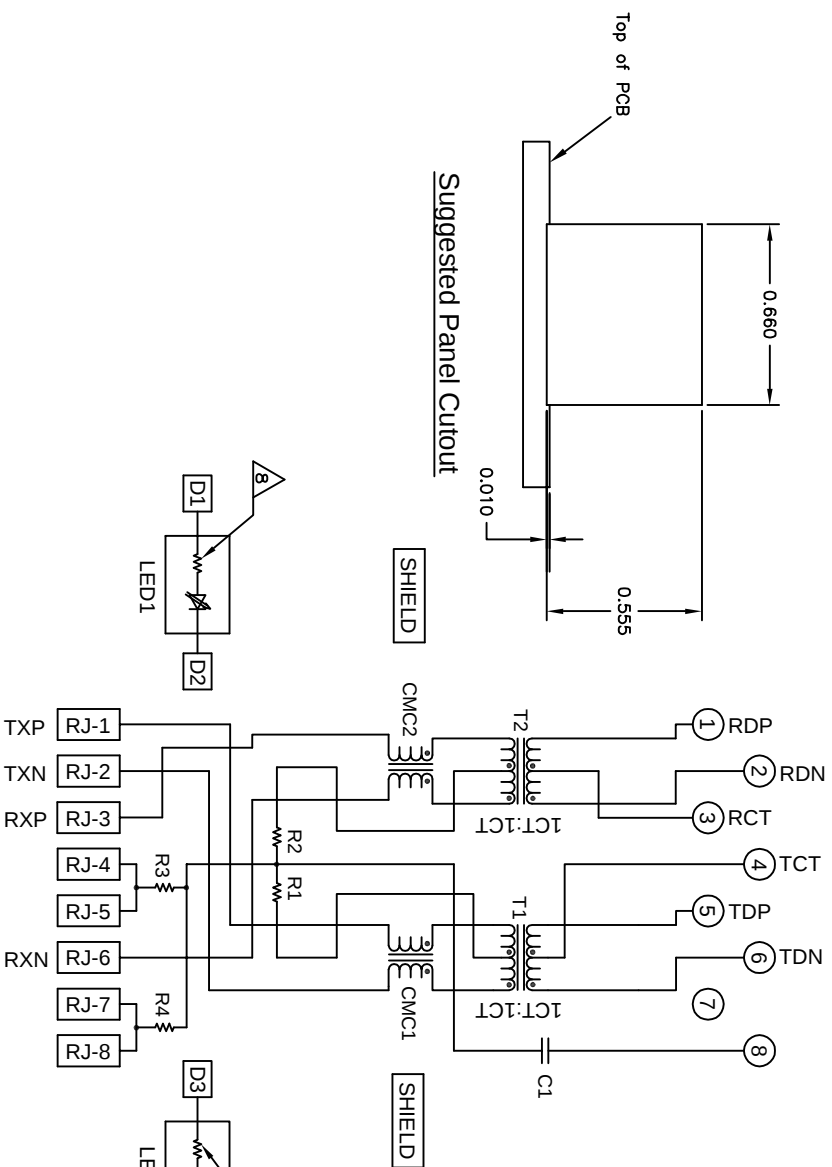


MECHANICAL:



Pin Designations



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

NOTES:

1 MATERIALS:

HOUSING - THE MOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 80-150μinch SEMI-BRIGHT NICKEL, POST-DIPPED WITH 100μinch MIN TIN-LEAD.
MOD JACK CONTACTS - .012" x .018", PHOSPHOR BRONZE, 50μinch MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μinch MIN HARD GOLD FINISH PLATE.
SOLDER TABS WITH 50μinch MIN TIN-LEAD FINISH PLATE.
LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREBOND LEADS PREPLATED WITH 90μinch SILVER OVER 40μinch NICKEL UNDERPLATE OVER 80μinch COPPER UNDERPLATE, POST-PLATED WITH 300μinch THICK TIN-LEAD.

2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB
PART F.

 MAGNETICS:

- TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL) 350 μ H (MIN) @100KHZ.
- 0.1V RMS WITH 8 mA DC BIAS
- RISE TIME: 25 NANO-SECONDS FROM 10 TO 90 PERCENT.
- TURN-ON RATIO (CHP: CABLE): TX: 1:1, RX: 1:1
- PERFORMANCE:
- TRANSMIT R11 & 2.
- RECEIVE R13 & 6
- INSERTION LOSS: -FREQUENCY: 100 KHZ TO 100 MHz TX/RX -11 DB (MAX)
- RETURN LOSS: -FREQUENCY: 1 MHz TO 60 MHz TX/RX -18.0 DB (MIN)
- FREQUENCY: 60.1 MHz TO 80 MHz TX/RX -15.0 DB (MIN)
- FREQUENCY: 80.1 MHz TO 100 MHz TX/RX -12.0 DB (MIN)
- CROSSTALK: NEXT (TX TO RX) 35.0 DB (MIN) @100MHZ
- TX CMRR: -FREQUENCY: 100KHZ TO 100 MHz, 42.0 DB (MIN)
- RX CMRR: -FREQUENCY: 100KHZ TO 100 MHz, 33.0 DB (MIN)
- HIPOUT (ISOLATION VOLTAGE) :
- 15000 VRMS (0.5 MA CUTOFF CURRENT) FOR 60 SECONDS DURATION WITHOUT
- DECOUPLING CAPACITOR
- 2250 VDC (1 mA CUTOFF CURRENT) FOR 60 SECONDS DURATION WITH DECOUPLING
- CAPACITOR
- ALL BRIDGED ON EITHER SIDE OF MAGNETICS PACKAGE FOR RJ-45 CONTACTS.
- OPERATING TEMPERATURE: FROM 0° - +70°C

4 ALL DIMENSIONS NOMINAL UNLESS OTHERWISE NOTED

5 LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS. WHEN OPERATED AT 20 mA.

6. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND THEREFORE DO NOT SUPPORT AUTO-MDI/MDIX.

LED PEAK WAVELENGTH: GREEN(λ) = 565nm
YELLOW(λ) = 585nm

8 THESE 250 OHM RESISTORS ARE INCLUDED IN THE LEDS ON 1-1605423-1 5-1605423-1 AND 6-1605423-1 ONLY.

9. TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

YES	GREEN	GREEN	6-1605423-1
YES	GREEN	YELLOW	5-1605423-1
NO	GREEN	GREEN	1-1605423-1
NO	GREEN	GREEN	1605423-7
NO	GREEN/YELLOW	GREEN/YELLOW	1605423-6
DECAPACITOR	LED1 ∇	LED2 ∇	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

27 JUN 2002	OWN
	M. HOSIER

DATE PREPARED: 27 JUN 2002	CHK DL DRUMMOND	27 JUN 2002	Pyro Electronics ChangPing, China
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DIMENSIONS: INCHES OTHERWISE SPECIFIED:	APPROVED BY: EC LAUBER	DATE: 27 JUN 2002	1X1 MAG45(TM) AN2 SCHEMATIC
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0 PLC	PRODUCT SPEC	121 MICRO (1M); 1732 COLLECTION; 426 SERIES CIRCUIT, SHIELDED, OPTIONAL
1 PLC	426	
± -	0400	
± -		

108-2100

APPLICATION SPEC

4

± .010
± .005

1 PLG
2 PLG
3 PLG

DECOUPLING CAPACITOR, WITH LEADS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO

MATERIAL	FINISH	WEIGHT	
↑	↑	-	A100779C-1605423
			-

CUSTOMER DRAWING	SCALE	SHEET	OF	REV
	NTS	1	1	B