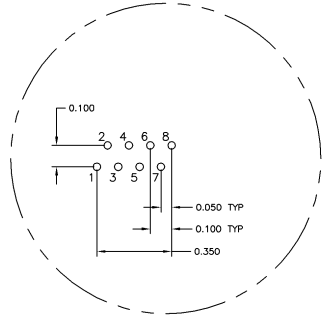
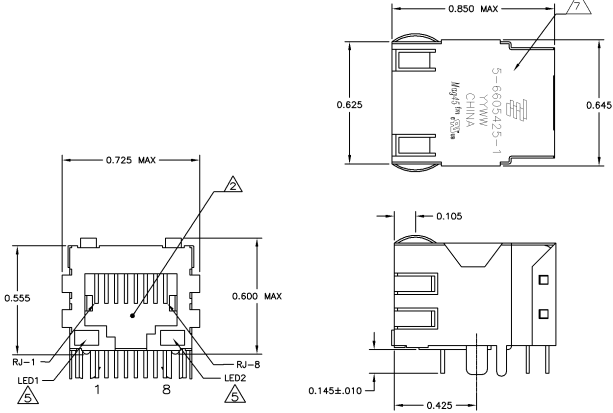
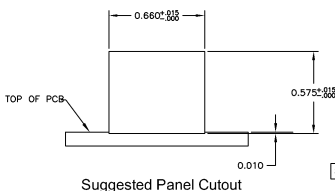


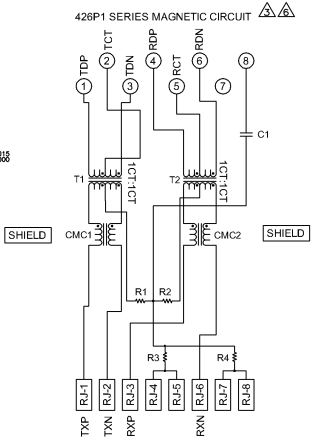
MECHANICAL:



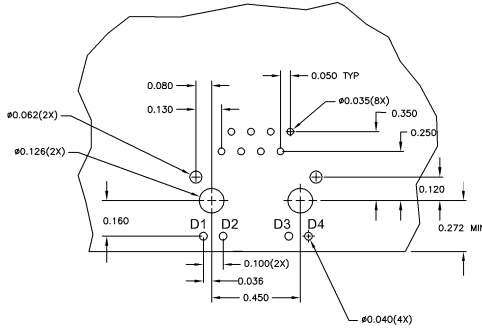
Pin Designations



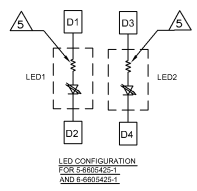
Suggested Panel Cutout



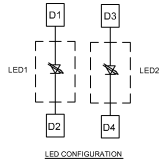
C1 = 1000 pF, 3kV CAPACITOR
R1-R4 = 75 OHMS, 1/16 W RESISTORS



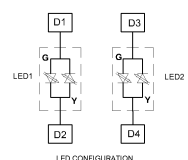
Suggested PCB Layout (Component Side)



LED CONFIGURATION FOR 6605425-1 AND 6605425-2



LED CONFIGURATION FOR 6605425-3 AND 6605425-6



LED CONFIGURATION ONLY FOR 6605425-4

NOTES:

- △ 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 (HP-CABLE): TX = 11, RX = 11
-OPEN CIRCUIT INDUCTANCE (OCL) 350µH MIN @100kHz, 0.1VRMS, 8µADC 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/50dB MIN FROM 30MHz TO 60MHz
 12dB MIN FROM 60MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20LOG(|f/50dB MIN FROM 40MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 -ISOLATION VOLTAGE: COMPLEX WITH IEEE802.3 2002, PARA 23.5.11, ITEM b.
- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- △ THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.1V TYP @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20mA
IF THE LED WITH 250 OHM RESISTORS, LED IS 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 12 mA TYP @ VF=5V
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V
FORWARD CURRENT (IF): YELLOW 13 mA TYP @ VF=5V
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND THEREFORE ARE AUTO-MID/MIX CAPABLE.
- △ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS.
PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

GREEN/YELLOW	NO	GREEN/YELLOW	NO	5-6605425-6
GREEN	YES	GREEN	YES	6-6605425-1
YELLOW	NO	GREEN	NO	5-6605425-9
GREEN	NO	GREEN	NO	5-6605425-7
GREEN	YES	YELLOW	YES	5-6605425-1

THIS DRAWING IS A CONTROLLED DOCUMENT		TYCO ELECTRONICS	
DESIGNER	DATE	REV	DESCRIPTION
108-7100	108-7100	1	1X1 MAGNETIC, 426 SERIES CIRCUIT, SHIELDED, DECOUPLING CAPACITOR, WITH LEADS
SCALE	DATE	BY	APPROVED BY
A1	00779	C=6605425	
CUSTOMER DRAWING		SCALE	1:1