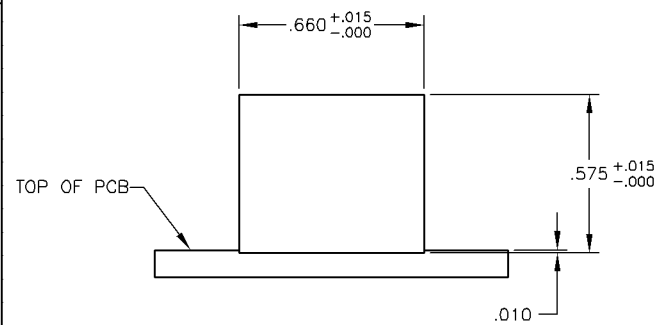
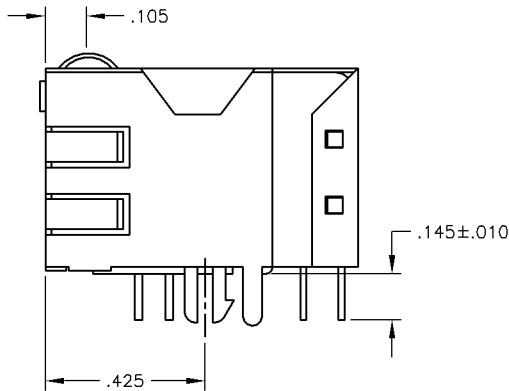
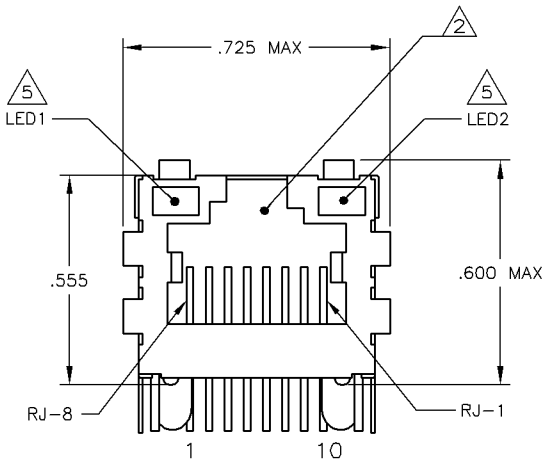
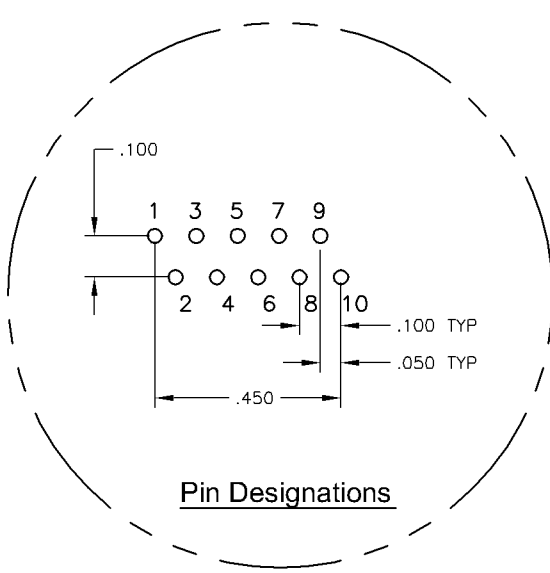
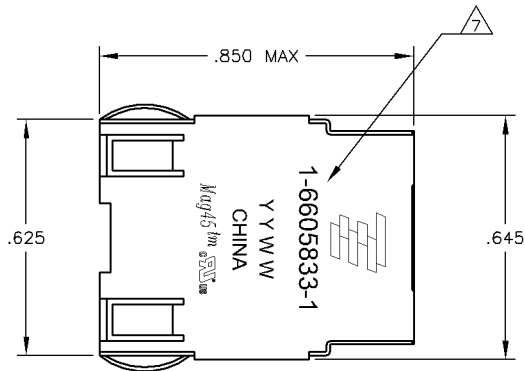


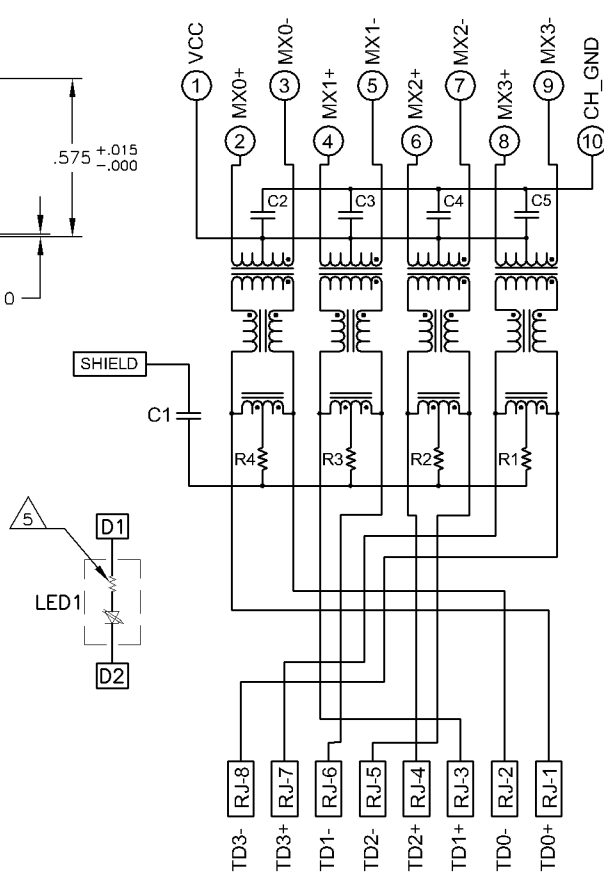
2		1					
LOC	DIST	REVISIONS					
AA	22	P	LTR	DESCRIPTION	DATE	DM	APR
			B	REV PER ECO-08-026390	28AUG2008	VL	TX

MECHANICAL:



Suggested Panel Cutout

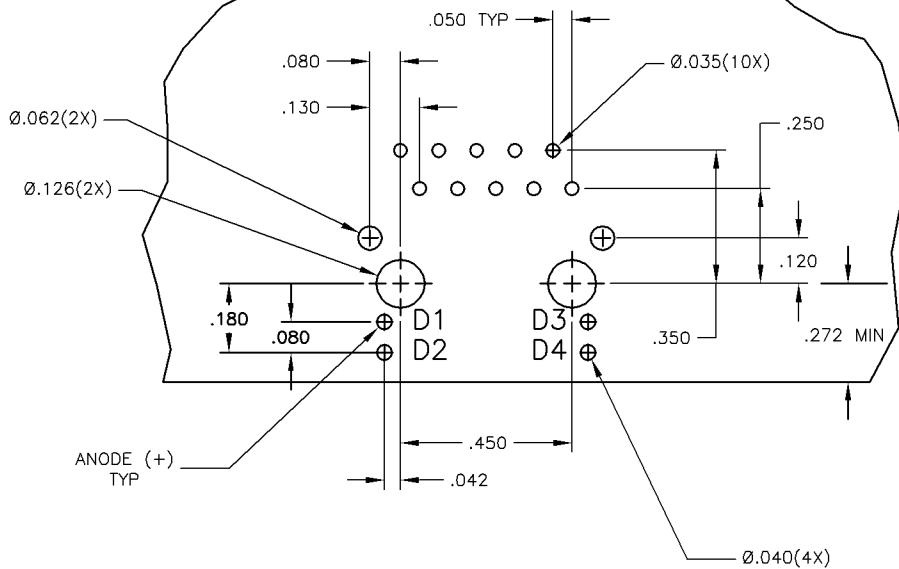
7G05P1 SERIES MAGNETIC CIRCUIT



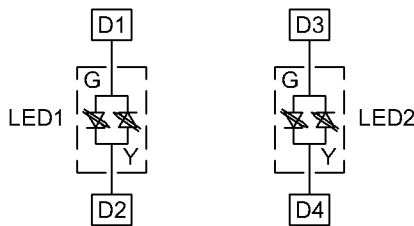
C1=1000 pF, 2kV CAPACITOR

R1-R4 = 75 OHMS, 1/16 W RESISTORS

C2-C5 = 0.1uF, 50V, X7R CAPACITORS



Suggested PCB Layout
(Component Side)



LED CONFIGURATION
FOR 6605833-6 ONLY

- MATERIALS:
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30uINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 100uINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157" x 0.018" PHOSPHOR BRONZE, 50uINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50uINCH MIN HARD GOLD FINISH PLATE.
 - SOLDERTAILS WITH 100uINCH 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 80uINCH SILVER OVER 40uINCH NICKEL UNDERPLATE OVER 40uINCH COPPER UNDERPLATE, POST-PLATED WITH 100uINCH 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
- APPLICATION: 10/100/1000 BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 - 12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20xLOG(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 40.6.1.1, 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 2.2V 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

- THE MAGNETICS ARE SYMMETRIC AND SUPPORT AUTO-MDI/MDIX.

- 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 WAVE SOLDERING TEMPERATURE IS 260°C MAX,10 SECONDS MAX.

GREEN		YES	GREEN	YES	1-6605833-1
GREEN/YELLOW		NO	GREEN/YELLOW	NO	6605833-6
LED1		250 OHMS RESISTOR	LED2	250 OHMS RESISTOR	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT. DWN L VARELA - DOCKS 04MAR2008 D. FAROLE 04MAR2008 Tyco Electronics Tyco Electronics Corporation Changping, China					
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
0 PLC ± .010		1 PLC ± .010		108-2100	
2 PLC ± .005		3 PLC ± .005		APPLICATION SPEC	
4 PLC ± .005		5 PLC ± .005		SIZE	
MATERIAL		FINISH		WEIGHT	
CUSTOMER DRAWING		SCALE		SHEET 1 OF 1	
REV		REV		REV	