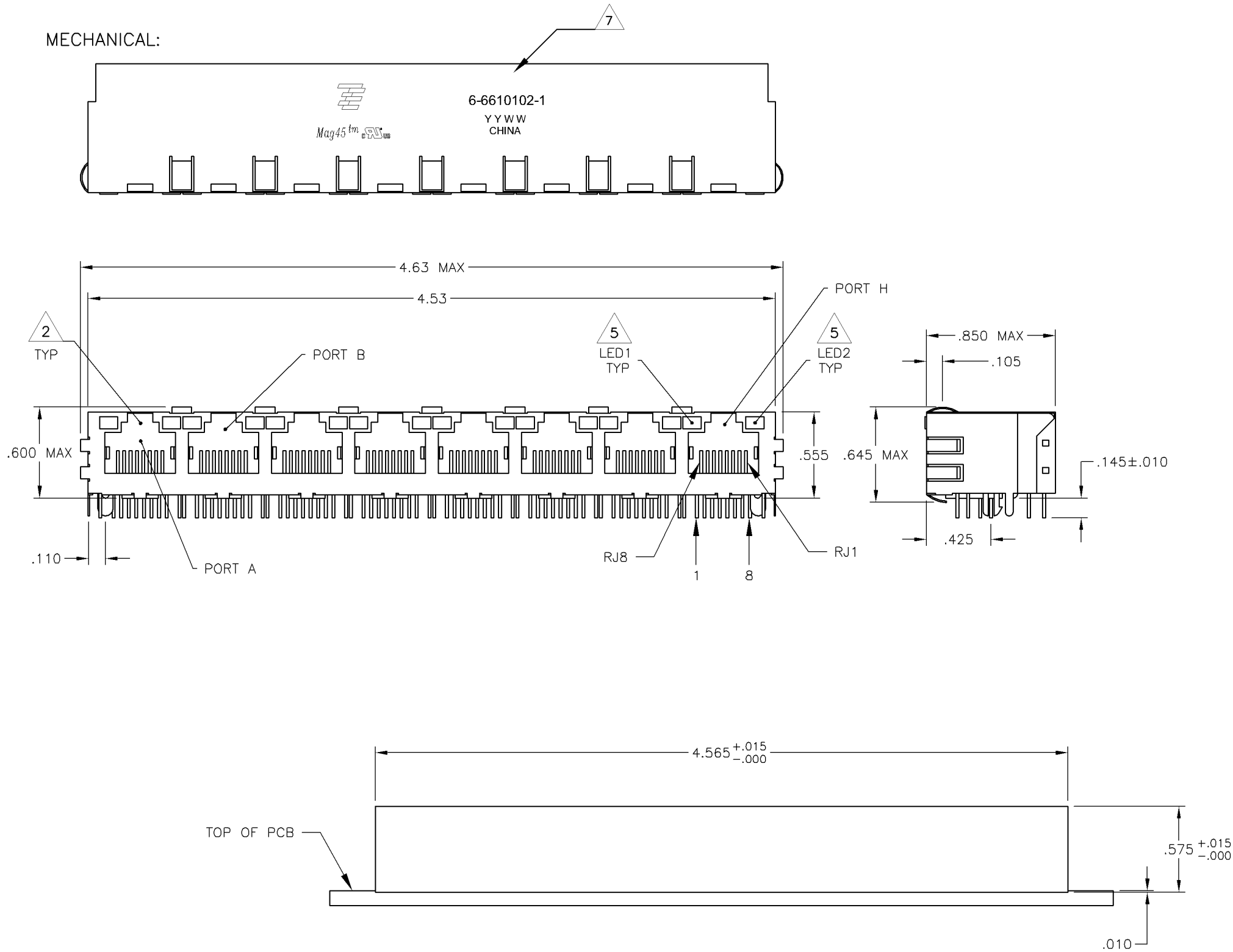


MECHANICAL:



1X8 SUGGESTED PANEL CUTOUT

- 1 -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, 8mADC 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/30)dB MIN FROM 30.1MHz TO 60MHz
12dB MIN FROM 60.1MHz TO 80MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20*LOG(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 23.5.1.1, ITEM b.
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 5 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
- 6 INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT OR AUTO-MDI/MDIX.
- 7 TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
8. THE PART IS 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.

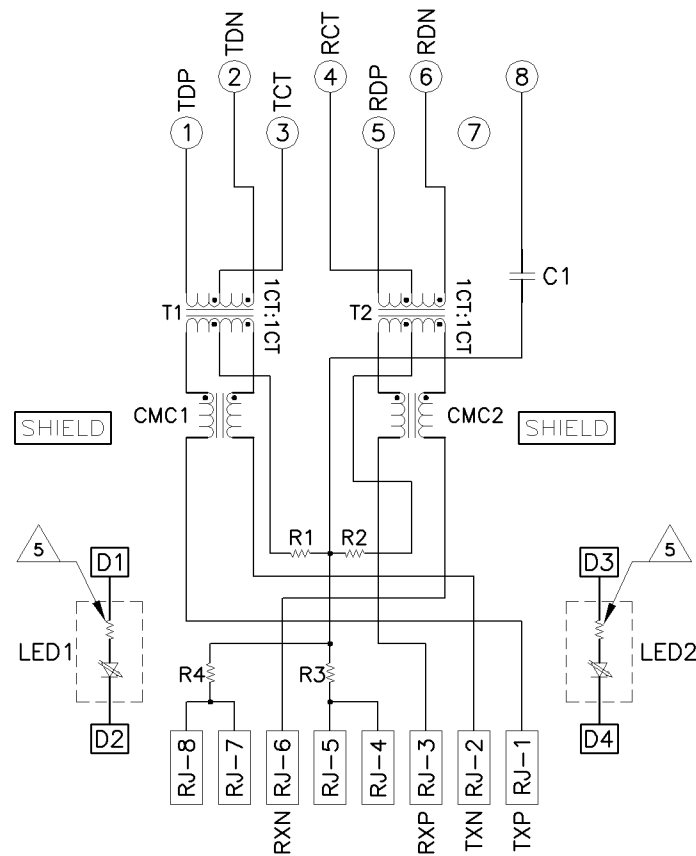
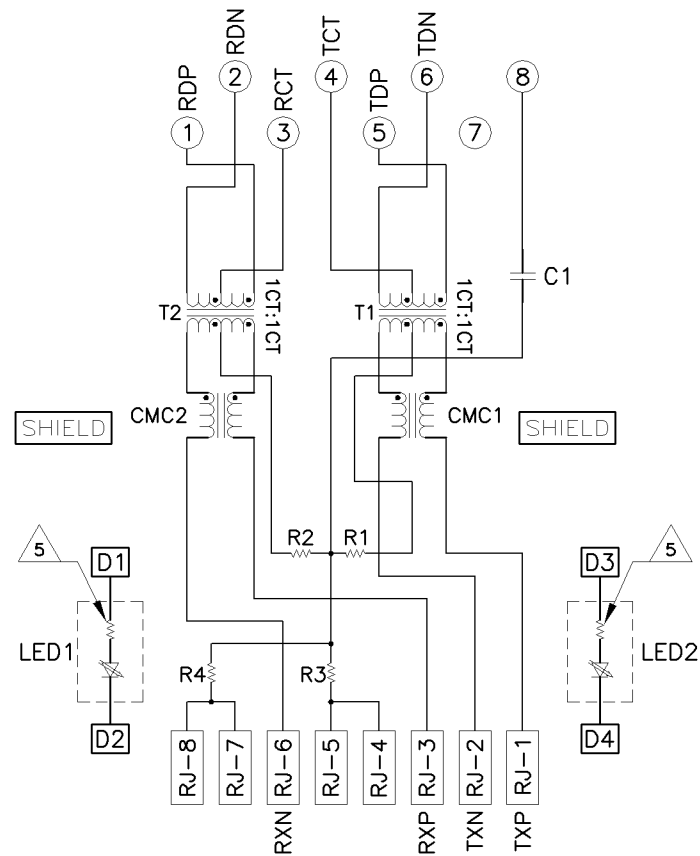
GREEN	GREEN	6-6610102-1
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN A. FERNANDEZ-DOCKS 16MAR2005	Tyco Electronics Corporation ChangPing, China	
DIMENSIONS: INCHES		CHK D. FAROLE 16MAR2005	NAME D. FAROLE 16MAR2005	PRODUCT SPEC 108-2100
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PL ± - 1 PL ± - 2 PL ± .010 3 PL ± .005 4 PL ± - ANGLES ± - FINISH		1X8 MAG45(TM) MODULAR JACK, 7K2 SCHEMATIC, 726K2 SERIES CIRCUIT, DECOUPLING CAPACITOR, SHIELDED, WITH RESISTOR LEDS		
MATERIAL		WEIGHT	SIZE A1	DATE CODE 00779
			DRAWING NO C=6610102	RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 2:1	SHEET 1 OF 2
			REV D	

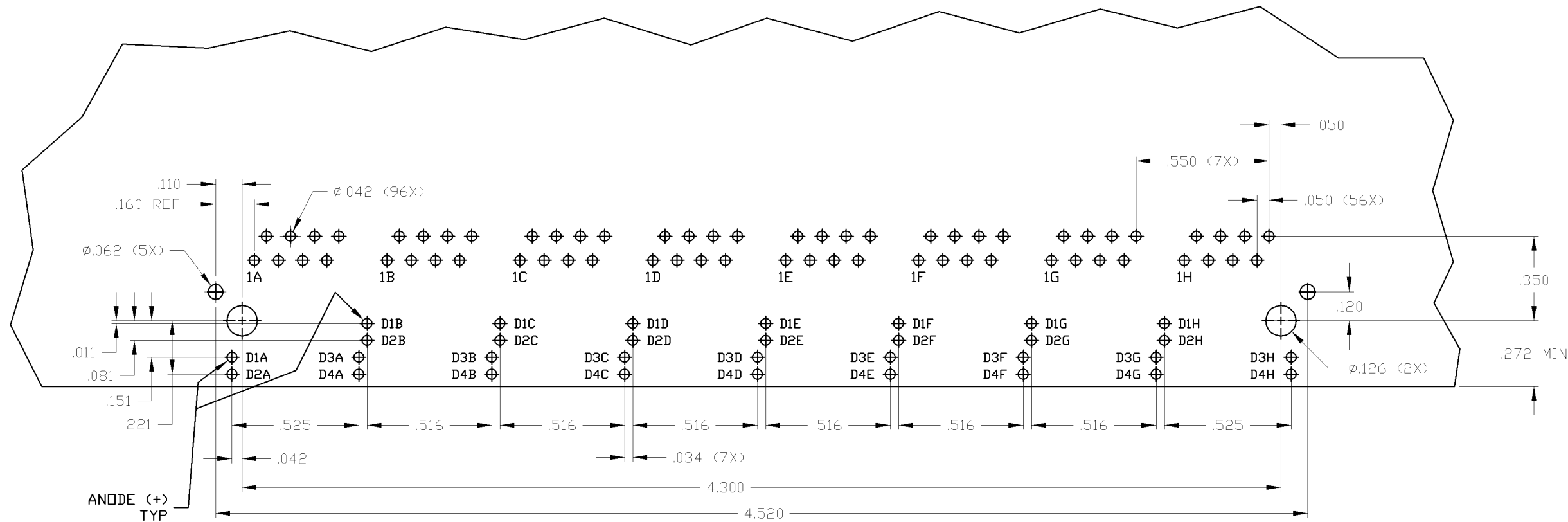
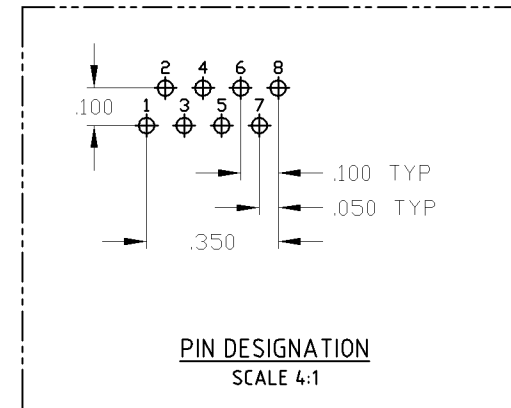
726K2 SERIES MAGNETIC CIRCUIT
PORTS 1,3,5,7



726K2 SERIES MAGNETIC CIRCUIT
PORTS 2,4,6,8



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



SUGGESTED PCB LAYOUT
(Component Side)
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE 15MAR2005 BY A. FERNANDEZ-DOCK5 CHK D. FAROLE	Tyco Electronics Tyco Electronics Corporation ChangPing, China	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X8 MAG45(TM) MODULAR JACK, 7K2 SCHEMATIC, 726K2 SERIES CIRCUIT, DECOUPLING CAPACITOR, SHIELDED, WITH RESISTOR LEADS
INCHES		0 PLG ± - 1 PLG ± -.010 2 PLG ± .005 3 PLG ± - 4 PLG ± - ANGLES ± -		
				
MATERIAL		FINISH		
-		-		RESTRICTED TO
		WEIGHT		A1
		CUSTOMER DRAWING		00779
				C=6610102
				SCALE 2:1
				SHEET 2 of 2
				REV D