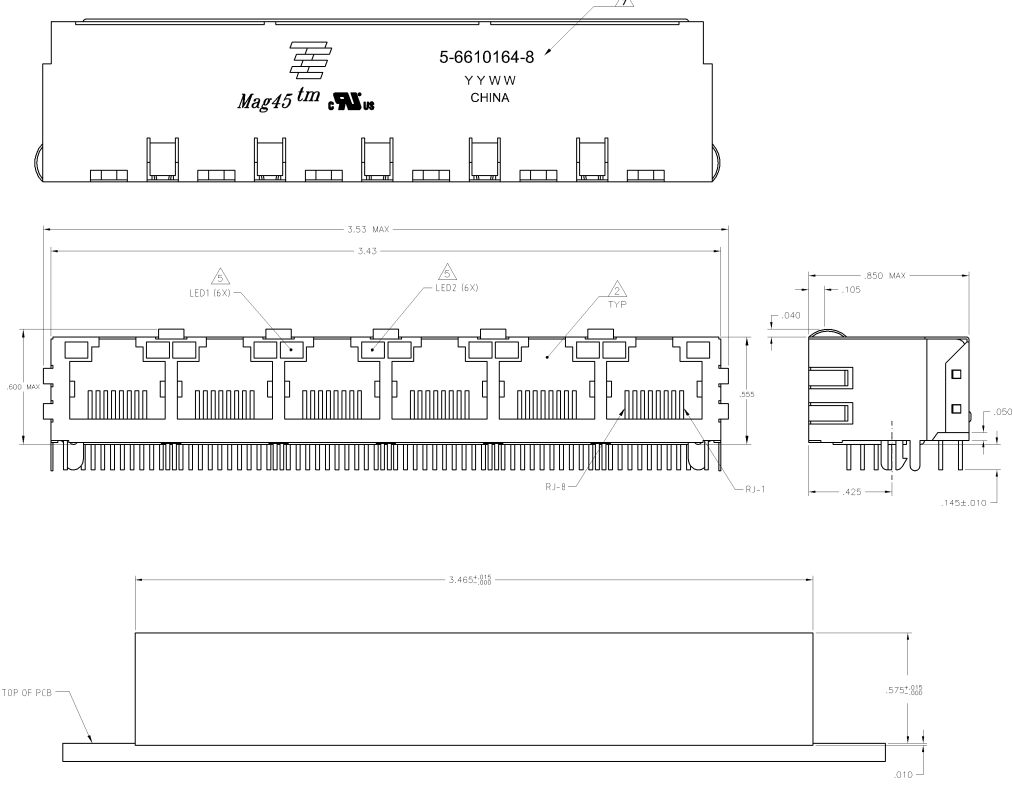


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AA	22				
F		REV PER ECO-08-018887			

MECHANICAL:



- MATERIALS**
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - .010" THICK, C2880 BRASS PREPLATED WITH 50µINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST TIPPED WITH 100µINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.057 X 0.018" PHOSPHOR BRONZE, 50µINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 5µINCH MIN HARD GOLD FINISH PLATE.
 - SOLDER TABS WITH 100µINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
 - LIGHT EMITTING DIODE(LEI) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80µINCH SILVER OVER 4.0µINCH NICKEL UNDERPLATE OVER 40µINCH COPPER UNDERPLATE, POST-PLATED WITH 100µINCH 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
 - TURNING RATIO (C/WP CABLE) TX + 11, RX + 11
 - OPEN CIRCUIT INDUCTANCE (OC1) 350nH MIN @ 100MHz, 0 IVRMS, 8µA DC BIAS FROM 0°C TO 70°C, TX AND RX
 - POE CURRENT 350mA DC MAX
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL) 1.5dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL) 18dB MIN FROM 0.5MHz TO 300MHz
 - IS-20 (S/IF) 30dB MIN FROM 30 MHz TO 60MHz
 - IS2B MIN FROM 60 MHz TO 80MHz
 - CROSSTALK ATTENUATION 35dB MIN FROM 0.5MHz TO 40MHz
 - IS-20 (L/S/IF) 50dB MIN FROM 4.1 MHz 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° - +70°C
- LEDS WITHOUT BUILT-IN RESISTOR**
- LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
 - LED COLOR DOMINANT WAVELENGTH (nm) GREEN 568 nm TYP @ IF=20 mA
 - FORWARD VOLTAGE (VF) GREEN 2.2V TYP @ IF=20 mA
 - DOMINANT WAVELENGTH (nm) YELLOW 588 nm TYP @ IF=20 mA
 - FORWARD VOLTAGE (VF) YELLOW 2.1V TYP @ IF=20 mA
- INDICATED CONNECTIONS ARE FOR NC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-IND/MDX**
- 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. PEAK WAVE SOLDERING TEMPERATURE IS 265°C, 10SECONDS MAX.

1X6 SUGGESTED PANEL CUTOUT

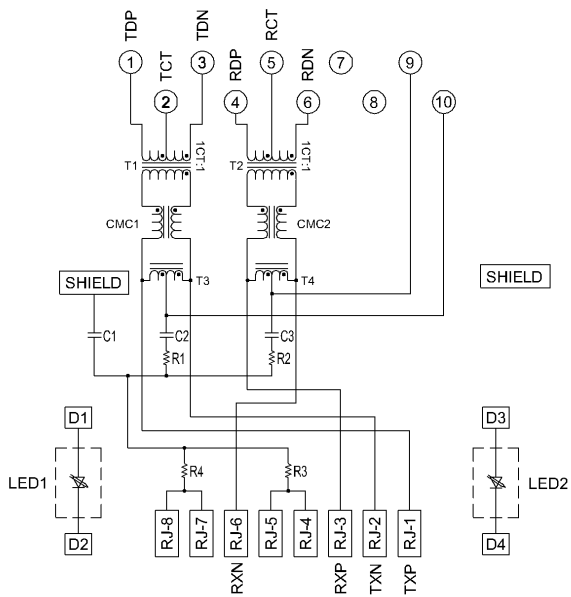
GREEN	YELLOW	5-6610164-8
GREEN	GREEN	6610164-7
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

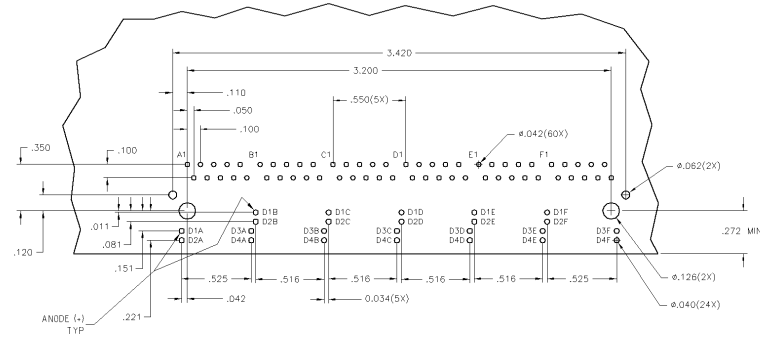
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TITLE: 1X6 MAG45(TN) MODULAR JACK, 70NCP1
 VOLTAGE: 100V-2100
 DATE CODE: A100779
 CUSTOMER DRAWING: 6610164

7Q15P1 MAGNETIC CIRCUIT



- C1 = 1000pF, 2kV CAPACITOR
- R1 - R4 = 75 OHMS, 1/16W RESISTORS
- C2 & C3 = 15nF, 100VDC CAPACITORS



Suggested PCB Layout
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV: AA	DATE: 22	ISSUED BY: [Signature]	DATE: [Date]	ISSUED BY: [Signature]	DATE: [Date]
DESIGNER: [Name]	DATE: [Date]	REVISED BY: [Name]	DATE: [Date]	REVISED BY: [Name]	DATE: [Date]	REVISED BY: [Name]	DATE: [Date]
PROJECT: 114		CUSTOMER: A100779		PART: 5610164		PAGE: 2 OF 2	
DRAWING NO: 114		REV: AA		DATE: 22		ISSUED BY: [Signature]	