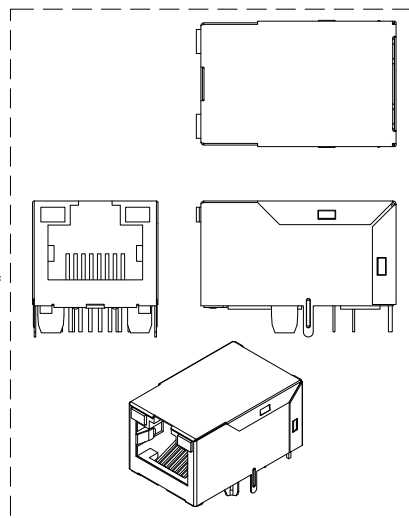
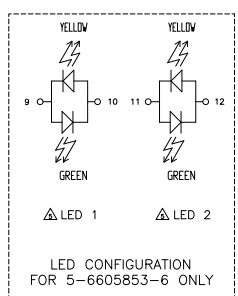
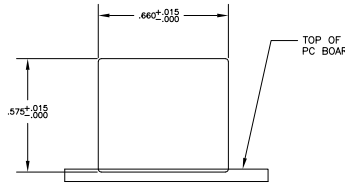
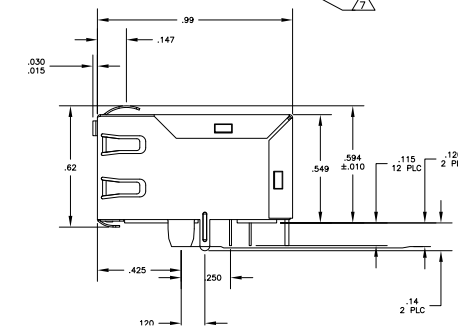
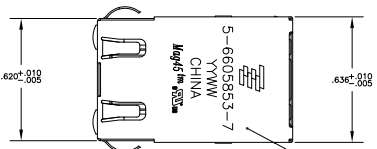
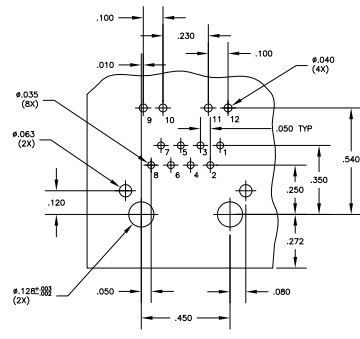


REV	DATE	DESCRIPTION	BY	CHK	APP
E	REV PER ECO-10-019136				RZ KZ
F	ECO-10-083974				RZ KZ

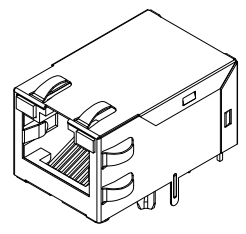


ONLY FOR 1-6605853-9



SUGGESTED PC BOARD LAYOUT (Component Side)

- MATERIALS:**  
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0  
 SHIELD - .010" THICK, C26480 BRASS PREPLATED WITH 30.0 INCH MIN SEM-BRIGHT  
 NICKEL SOLDER TABS POST-DIPPED WITH SAC SOLDER.  
 MOD JACK CONTACTS - .0157" x .018" PHOSPHOR BRONZE, 50.0 INCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50.0 INCH MIN HARD GOLD FINISH PLATE. SOLDERABLES WITH 100.0 INCH MIN MATTE TIN AND/OR SAC SOLDER DIP  
 LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020"  
 CARBON STEEL WIREFRAME LEADS PREPLATED WITH 80.0 INCH SILVER OVER 40.0 INCH NICKEL UNDERPLATE OVER 40.0 INCH COPPER UNDERPLATE, POST-PLATED WITH 100.0 INCH 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 BASE-T  
 -IMPEDANCE: 100 OHMS  
 -TURNING RATIO (CHP CABLE): TX = 11, RX = 11  
 -OPEN CIRCUIT INDUCTANCE (OCL): 30.0 nH MIN @ 100MHz, 8 nH MAX FROM 0°C TO 70°C, TX AND RX  
 -PERFORMANCE @ 25°C  
 INSERTION LOSS (IL): 1.5dB MAX FROM 0.5MHz TO 100MHz  
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 300MHz  
 15.2dB @ 100MHz MIN FROM 30MHz TO 60MHz  
 12dB MIN FROM 60MHz TO 80MHz  
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 100MHz  
 33-20 LOG(1/50dB) MIN FROM 4.5MHz 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.**
- LEDS ARE 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.
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRIC, AND DO NOT SUPPORT AUTO-MDU/MDOX.**
- 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.**



YES	GREEN	YELLOW	5-6605853-8
YES	GREEN	GREEN	5-6605853-7
YES	GREEN/YELLOW	GREEN/YELLOW	5-6605853-6
NO	YELLOW	GREEN	1-6605853-9

EMV FINCHER	LED 1	LED 2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.	REV	DATE	DESCRIPTION	BY	CHK	APP

DESCRIPTION	REV	DATE	DESCRIPTION	BY	CHK	APP
108-2100			1x1 MAG45(TM), SHLD, 6 WAVE FNL GNDS, W/REAR LED LEADS, 714P10 MAGNETIC CIRCUIT			

DATE	DATE	DATE	DATE	DATE	DATE	DATE

CUSTOMER DRAWING	DATE	DATE	DATE	DATE	DATE	DATE

ELECTRICAL:  
714P10 MAGNETIC SCHEMATIC

