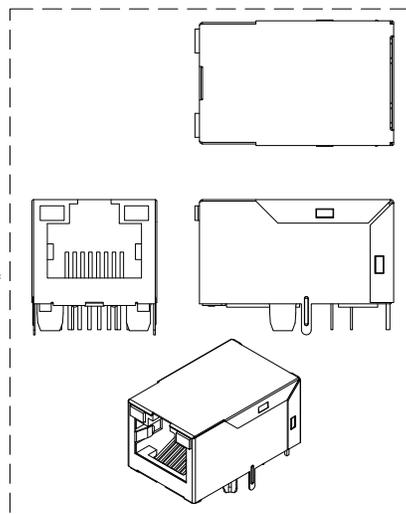
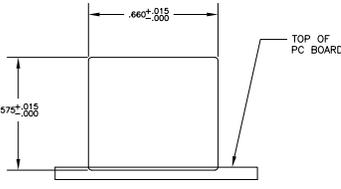
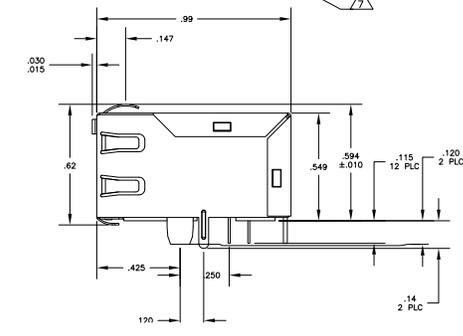
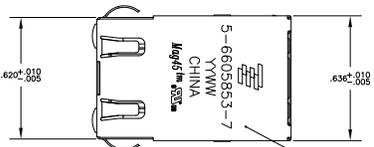


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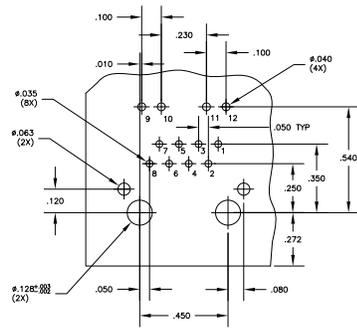
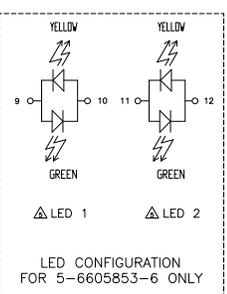
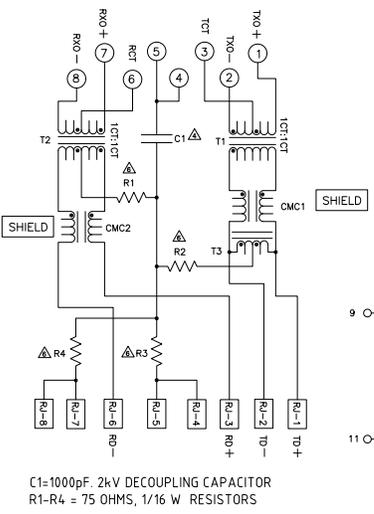
REV	DATE	DESCRIPTION	BY	CHKD
E	REV PER ECO-10-019136		YSP2010	RZ KZ
F	ECO-10-083974		080CT088	RL KZ



ONLY FOR 1-6605853-9

- 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 - .915" 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
 -TURNS RATIO (CHP CABLE): TX = 11, RX = 11
 -OPEN CIRCUIT INDUCTANCE (OCL): 30.0 nH @ 100MHz, 0.1V RMS, 8mA DC BIAS 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 30.0MHz TO 60MHz
 12dB MIN FROM 60.0MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20 LOG(1/50dB) MIN FROM 4.0MHz 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-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 SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

ELECTRICAL:
 714P10 MAGNETIC SCHEMATIC



SUGGESTED PC BOARD LAYOUT
 (Component Side)

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 FINISHER	LED 1	LED 2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. REV: 00 DATE: 10/10/07

INFORMATION: 108-2100

DESCRIPTION: INTEGRATED MAGNETIC MOD JACK ASSY, 1x1 MAG45(TM), SHLD, 6 WAVE FNL GNDS, W/REAR LED LEADS, 714P10 MAGNETIC CIRCUITRY

DATE: 10/10/07

CUSTOMER DRAWING