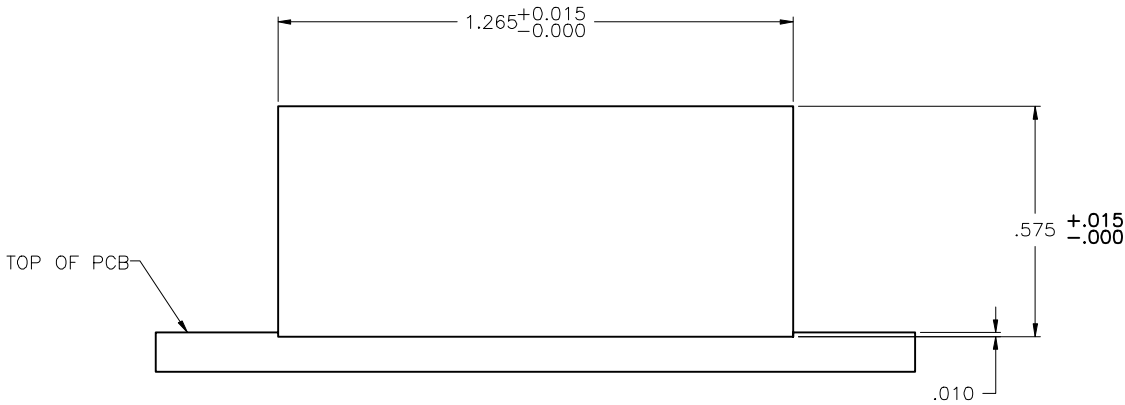
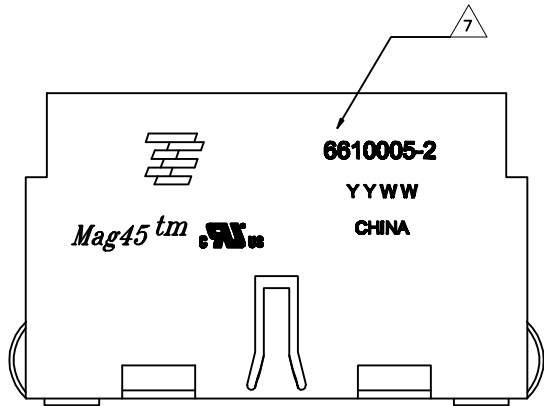
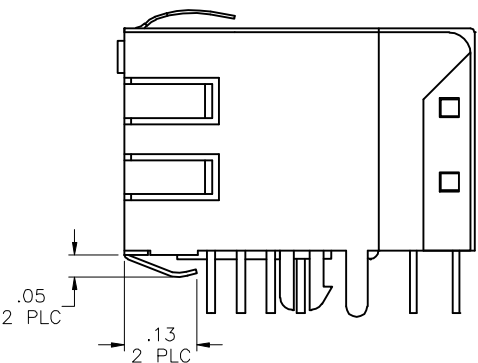
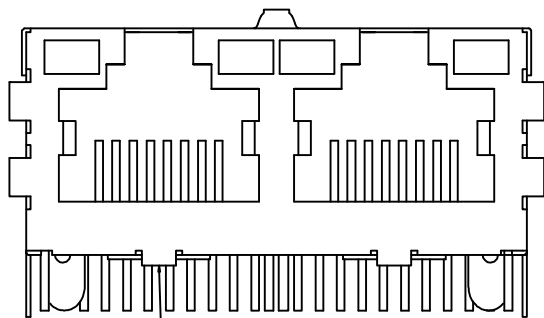
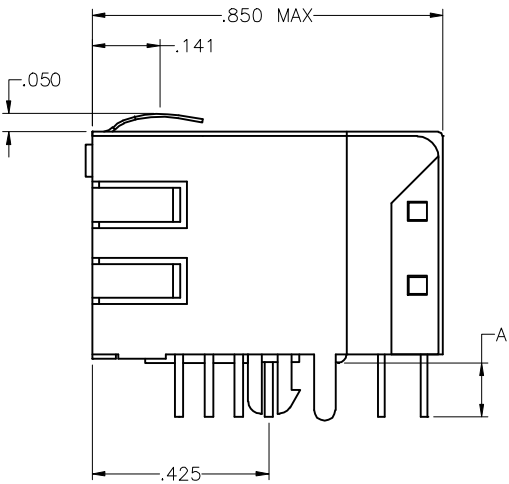
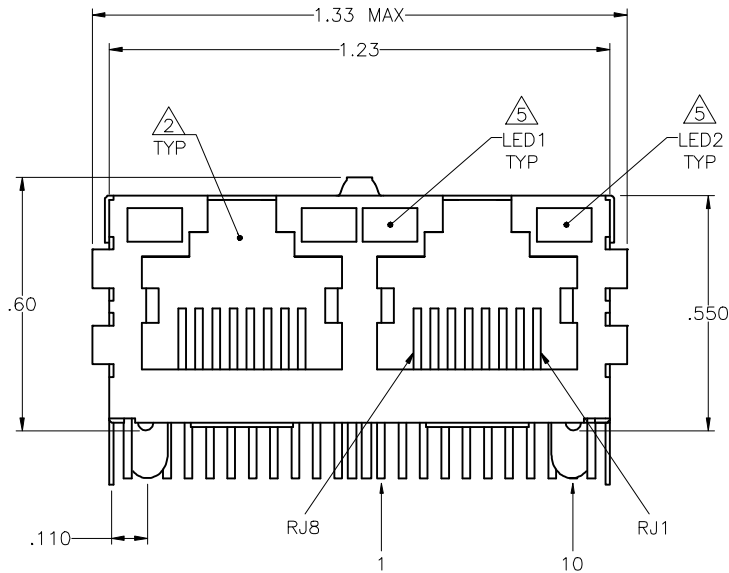


LOC	QNT	REVISIONS				DATE	DWN	APPD
		P	LN	DESCRIPTION				
AA	22		K	REV PER ECO-10-001188		15JAN2010	AW	LR

MECHANICAL:



1X2 SUGGESTED PANEL CUTOUT



FOR 5-6610005-6 & 2-6610005-2

- △ MATERIALS:
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
ONLY FOR 3-6610005-5: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0.
SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μinch MIN SEMI-BRIGHT NICKEL; SOLDER TAB POSTS DIPPED WITH 100μinch MIN SAC SOLDER.
MOD JACK CONTACTS - .0157" x .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 PREPLATED WITH 80μinch SILVER OVER 40μinch NICKEL UNDERPLATE OVER 40μinch COPPER UNDERPLATE; POST-PLATED WITH 100μinch 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): 350μH 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
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE REJECTION RATIO(CMRR):30dBMIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: THE CONNECTOR SHALL PROVIDE DC ISOLATION USING 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC AND WITH ALL PORTS CONNECTED.
- △ ALL DIMENSIONS NOMINAL UNLESS OTHERWISE NOTED.
- △ THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF LEDS WITHOUT 250 OHM RESISTOR, LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 568 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA
DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA
IF LEDS WITH BUILT-IN RESISTOR, LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 568 nm TYP @ VF=5V
FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V
DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP @ VF=5V
FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V
- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO ACCOMODATE CONNECTIONS FOR EITHER NIC OR HUB CONFIGURATION, OR 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 (275°C MAX ONLY FOR 3-6610005-5),10 SECONDS MAX.
9. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

.081±.010	NO	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6-6610005-6
.148±.010	YES	GREEN/YELLOW	NO	GREEN/YELLOW	NO	5-6610005-6
.100±.010	NO	GREEN/YELLOW	NO	GREEN	NO	3-6610005-5
.126±.010	NO	GREEN/YELLOW	NO	GREEN	NO	2-6610005-5
.126±.010	NO	GREEN/YELLOW	NO	GREEN	YES	2-6610005-4
.145±.010	YES	YELLOW	YES	GREEN	YES	2-6610005-2
.145±.010	NO	GREEN	YES	GREEN/YELLOW	NO	1-6610005-5
.148±.010	NO	GREEN	YES	GREEN	YES	1-6610005-1
.148±.010	NO	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6610005-6
.148±.010	NO	GREEN/YELLOW	NO	GREEN	YES	6610005-4
.145±.010	NO	YELLOW	YES	GREEN	YES	6610005-2
DIM A	BOTTOM TABS	LED1 250 OHM RESISTORS	LED2 250 OHM RESISTORS	PART NUMBER		

THIS DRAWING IS A CONTROLLED DOCUMENT.				Tyco Electronics Corporation ChangPing, China			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100		NAME 1X2 MAG45(TM) MODULAR JACK, 764 SCHEMATIC (10 PIN HORIZONTAL), 05 SERIES GIGABIT CIRCUIT, SHIELDED, WITH LEADS	
MATERIAL		FINISH		WEIGHT		RESTRICTED TO	
CUSTOMER DRAWING		SCALE 4:1		SHEET 1 OF 2		REV K	

