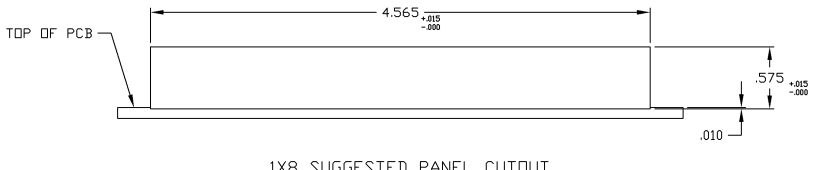
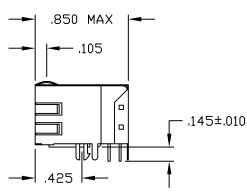
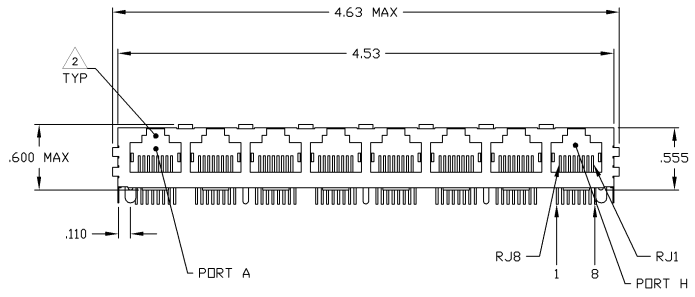
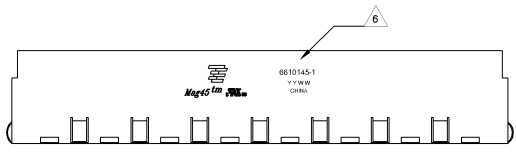


MECHANICAL:



1X8 SUGGESTED PANEL CUTOUT

- 1 MATERIALS
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - .030" THICK C24800 BRASS PREPLATED WITH 50μINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 18μINCH MIN SAC SOLDER
 - MOD JACK CONTACTS - .0057" X .008" PHOSPHOR BRONZE, 5μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FRESH PLATE SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP
- 2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F
- 3 MAGNETICS
 - IMPEDANCE: 100 OHMS
 - TURNING RATIO (RHP-CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 35μH MIN @ 100MHz, 0 IV RMS
 - RFLX 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/30dB MIN FROM 0.5MHz TO 60MHz
 - 12dB MIN FROM 60 MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(F/60dB MIN FROM 40 MHz TO 80MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3, PARA 23.5.11, ITEM 6

- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C
- 5. INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDIX/MDIX.
- 6. TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

- 7. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 160°C, 10-30 SECONDS TO 180 SECONDS. PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 5 SECONDS MAX.

6610145-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT		REV. A	DATE	20080801	BY	TYCO ELECTRONICS	
DESIGNED	BY	DATE	20080801	BY	TYCO ELECTRONICS		
DRG. NO.	6610145-1	REV.	A	DATE	20080801	BY	TYCO ELECTRONICS
DESCRIPTION	1X8 MAG45(TM) MODULAR JACK, 7E1 SCHEMATIC, 66 SERIES CIRCUIT, DECOUPLING CAPACITOR, SHIELDED, S1 TABS, NO LEADS						
APPROVED	BY	DATE	20080801	BY	TYCO ELECTRONICS		
REVISION	A1 007790 6610145						
CUSTOMER DRAWING	SCALE	2:1	SHEET	1	OF	2	

