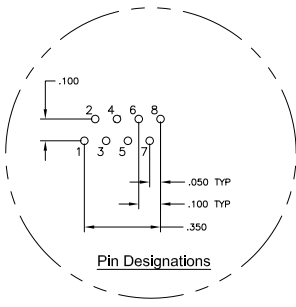
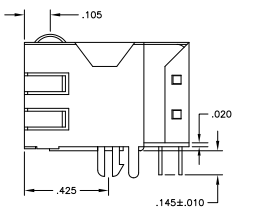
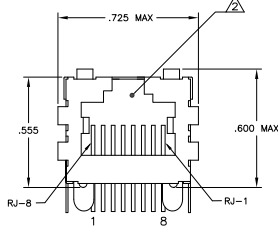
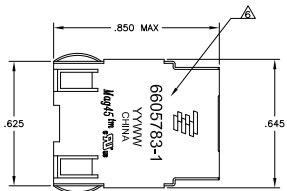


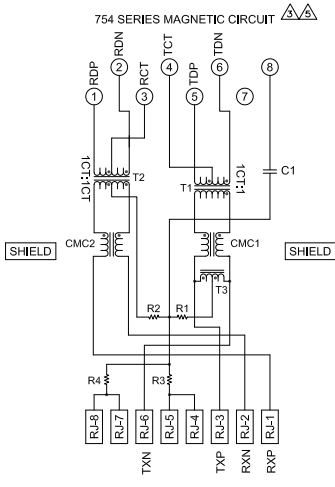
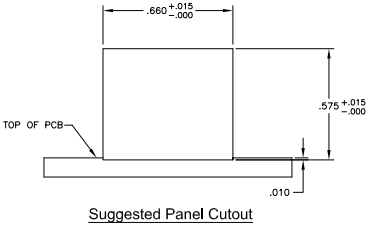
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REV	DATE	REVISIONS	DATE	BY	APP
AA	2/2				
C		REV PER 6605783-2			VL LRT
C1		REVISED PER 6605783-2			TSNGOVER KK AEG

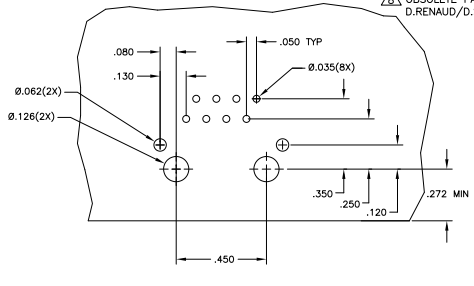
MECHANICAL:



- △ **MATERIALS:**
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C28800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157" x 0.018" 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.
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ **MAGNETICS**
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHP-CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 350nH MIN @100kHz, 0.1VRMS, BRNDE BIAS FROM 0°C TO 70°C, TX AND RX
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL): 1.3dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 16dB MIN FROM 0.5MHz TO 30MHz
 - 18-20dB @ 30dB MIN FROM 30 MHz TO 60MHz
 - 12dB MIN FROM 60.0MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-24dB @ 150dB MIN FROM 40.0MHz 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° TO -70°C.
- △ INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE ASYMMETRIC, AND THEREFORE DO NOT SUPPORT AUTO-MDU/MDX.
- △ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 7. 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, 10 SECONDS MAX.
- △ OBSOLETE PARTS: OBSOLETE. CIS STREAMLINING PER D.RENAUD/D.SINISI



C1 = 1000 pF, 2kV CAPACITOR
 R1-R4 = 75 OHMS, 1/16 W RESISTORS



△ OBSOLETE	NO	6605783-2
	YES	6605783-1
		DECOUPLING CAPACITOR PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT		REVISED		Tyco Electronics Corporation	
DATE	BY	DATE	BY	DESCRIPTION	CONTROLLED
				111 MAG45(TM), MODULAR JACK, 754 SERIES MAGNETIC CIRCUIT, OPTIONAL DECOUPLING CAPACITOR, NO LEADS	
				108-2100	
				SEE THE SIZE NUMBER IN THE PART NUMBER	
				A1 00779	
				CUSTOMER DRAWING	