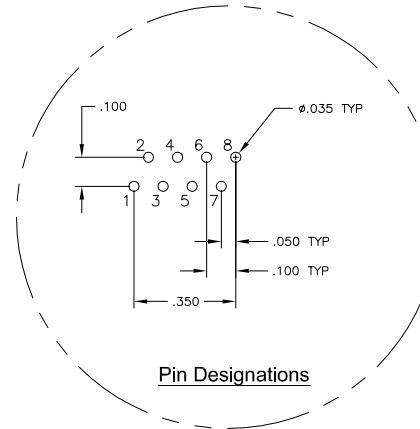


Figure 1 is a technical drawing of an RJ-45 connector. It shows a cross-section of the connector with various dimensions: .725 MAX for the top width, .555 for the bottom width, .600 MAX for the total height, and .010 for the top thickness. It also shows 8 pins and RJ-45 labels.



▲ MATERIALS:

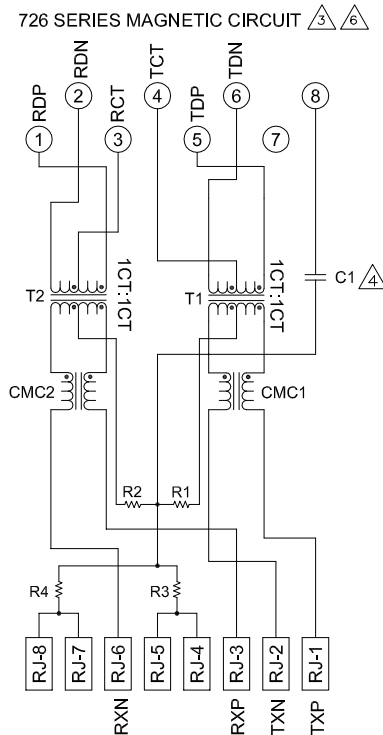
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
- SHIELD - 0.010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
- MOD JACK CONTACTS - 0.0157" x 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE.
- SOLDERTABS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.

⚠ MAGNETICS
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS,
 8mADC 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/30)dB MIN FROM 30.1MHz TO 60MHz
 12dB MIN FROM 60.1MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20*LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 -ISOLATION VOLTAGE:2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

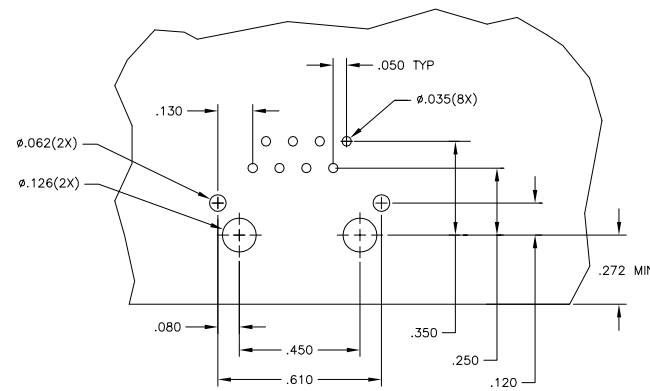
5. OPERATING TEMPERATURE: FROM 0° TO +70°C.

 TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

9 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER
D.RENAUD/D.SINISI



Suggested Panel Cutout



Suggested PCB Layout
(Component Side)

R1-R4 = 75 OHMS, 1/16W RESISTORS.

9	OBSOLETE	.090±.010	YES	1-6605759-1
		.145±.010	NO	6605759-2
		.145±.010	YES	6605759-1
	DIM A	4 DECOUPLING CAPACITOR		PART NUMBER

[illegible]