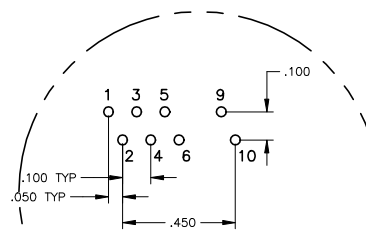
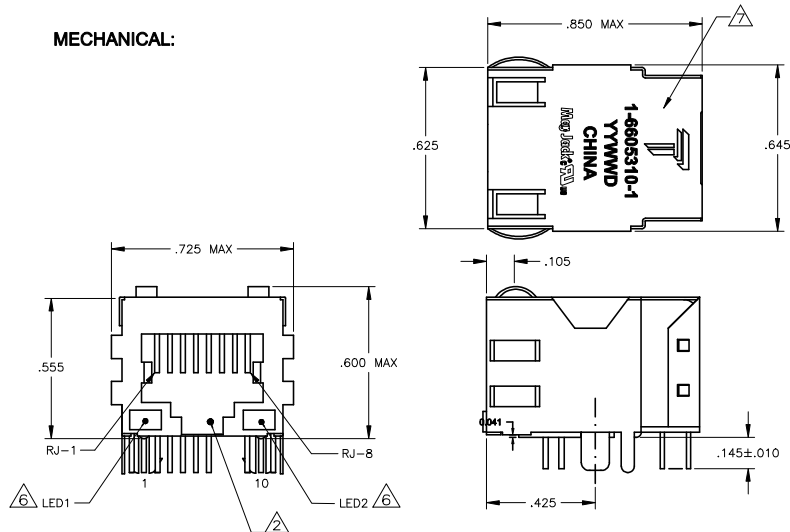


PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

MECHANICAL:



Pin Designations

1 MATERIALS:
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
SHIELD - 010" THICK, C26800 BRASS PREPLATED WITH 30μINCH 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
GOLD TAIL SAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
LIGHT GUIDING HOLEDDED - DIFFUSE EPOXY LENS, 020" X 020" CARBON STEEL
WIREFRAME LEADS PRE-PLATED 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

- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
- OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS,
8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
- POE CURRENT: 350mA DC MAX
- PERFORMANCE @ 25°C:

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: 1500VAC (MAX) AT 60Hz FOR 60 SECS.

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

5 INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRIC, AND SUPPORT AUTO-MDI/MDIX.

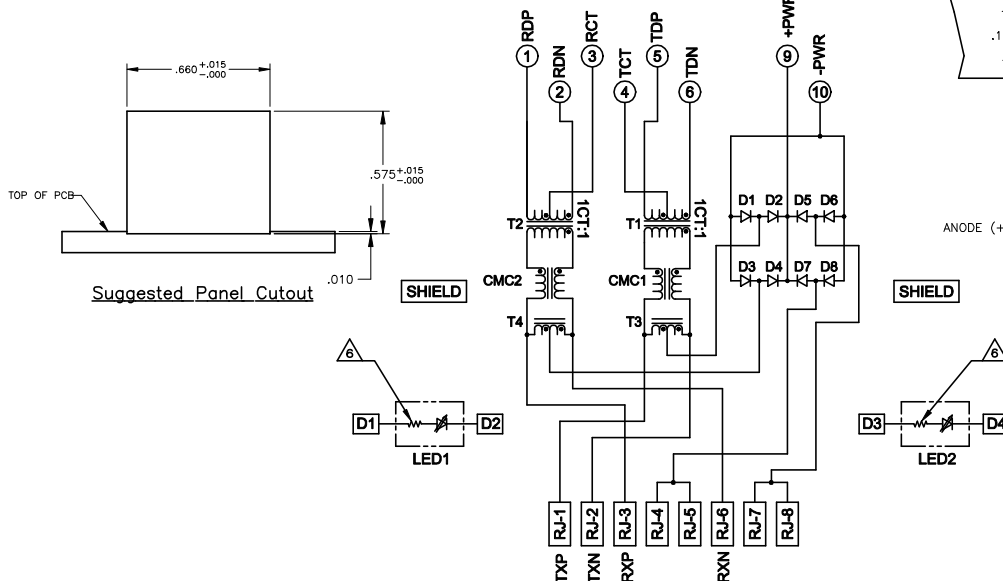
⚠ THE 250 OHM RESISTOR IS INCLUDED IN THE LEDS.
LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ VF=5V
FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V

△ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

8. THE PART IS 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.

ELECTRICAL:

3D15 SERIES PoE MAGNETIC CIRCUIT



D1-D8 = RECTIFIER DIODES
FORWARD VOLTAGE, $V_f = 1.2V$ MAX @ $I_f = 0.5A$
FORWARD CURRENT, $I_f = 0.5A$ MAX
REVERSE VOLTAGE, $V_r = 80V$ MAX

Suggested PCB Layout
(Component Side)

GREEN	GREEN	1-6605310-1
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW. NO. GATTADA-DOCK DESIGNED BY D.FANOLE CHECKED BY D.FANOLE DATE: 02/01/00		 trp CONNECTOR a longman		DONGGUAN CHINA	
DATE/ISSUE: 02/01/00 RICHES: 02/01/00		DATE/ISSUE: 02/01/00 RICHES: 02/01/00		DES: 1X1 3D15 10/100 TAB DOWN W/ LED		SIZE: 100-2100	
		D. P.C. 0.2/0.10 R. P.C. 0.2/0.10 A. P.C. 0.2/0.10 L. P.C. 0.2/0.10		MAGJACK		SIZE: A1 CODE: 00 DRAWING NO: C-660531S	
PROJECT SPEC: 108-2100		APPLICATION SPEC: -		SINGLE NON-POE		RESTRICTED	
		CUSTOMER DRAWING		SCALE: N.TS		SHEET: 1 OF 1	