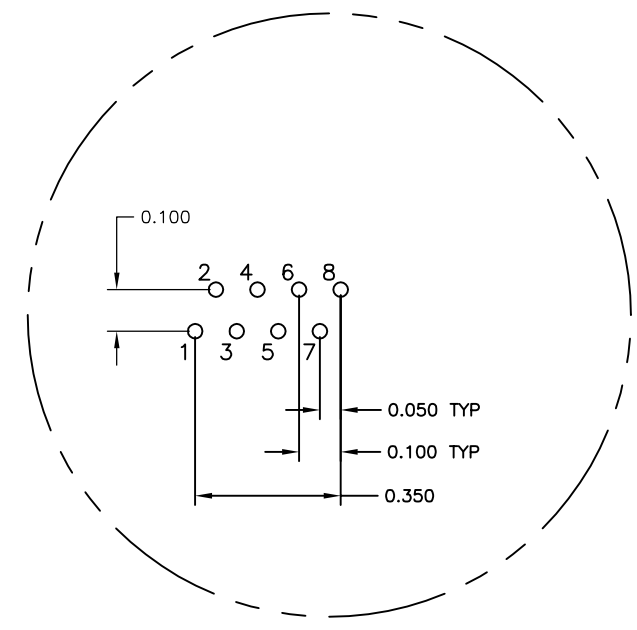
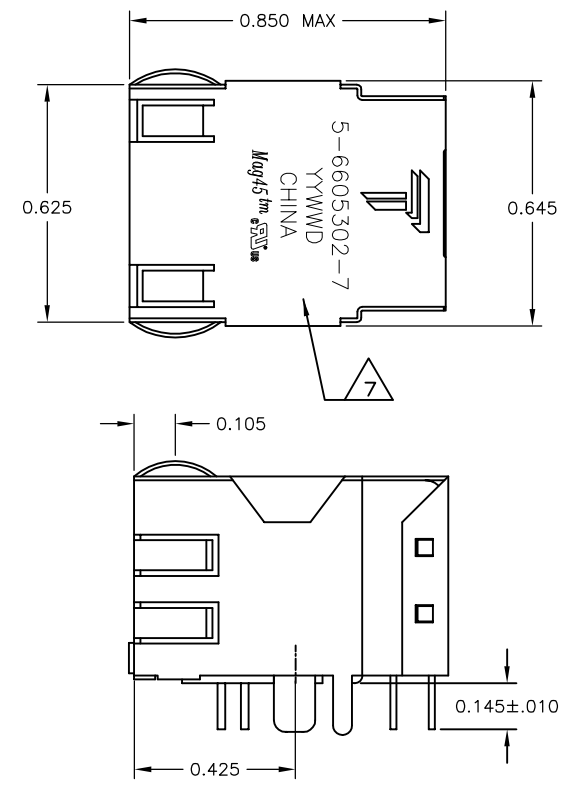
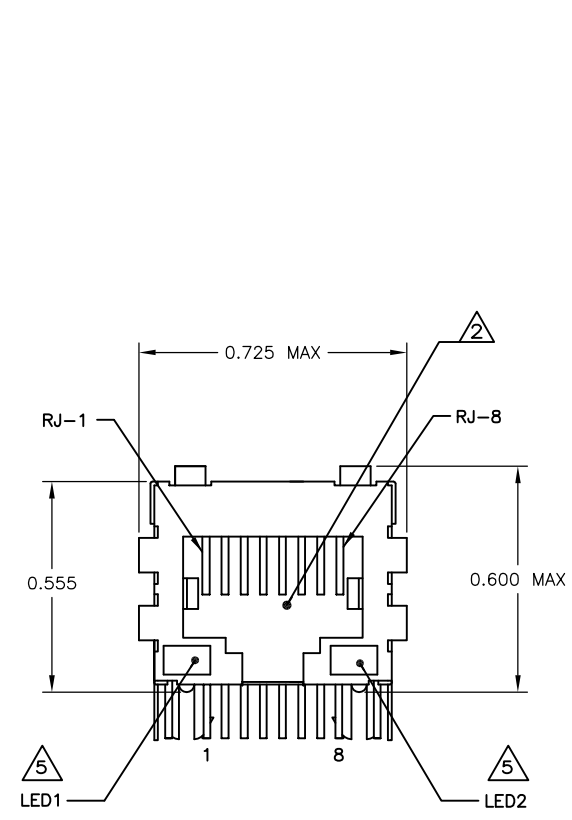


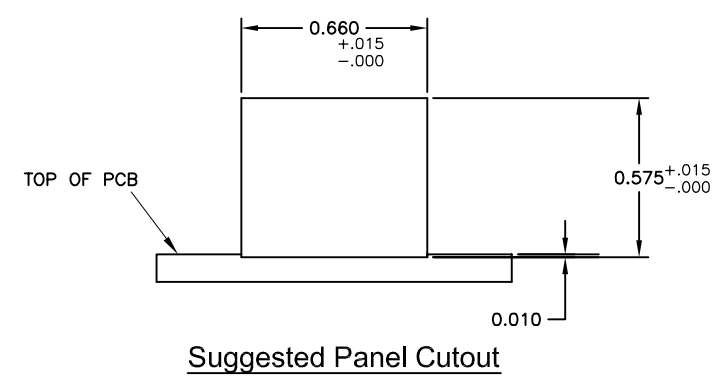
REVISIONS					
#	LR	DESCRIPTION	DATE	BY	APP
D		LOGO CHANGE	23APR2013	JC	KZ

MECHANICAL:



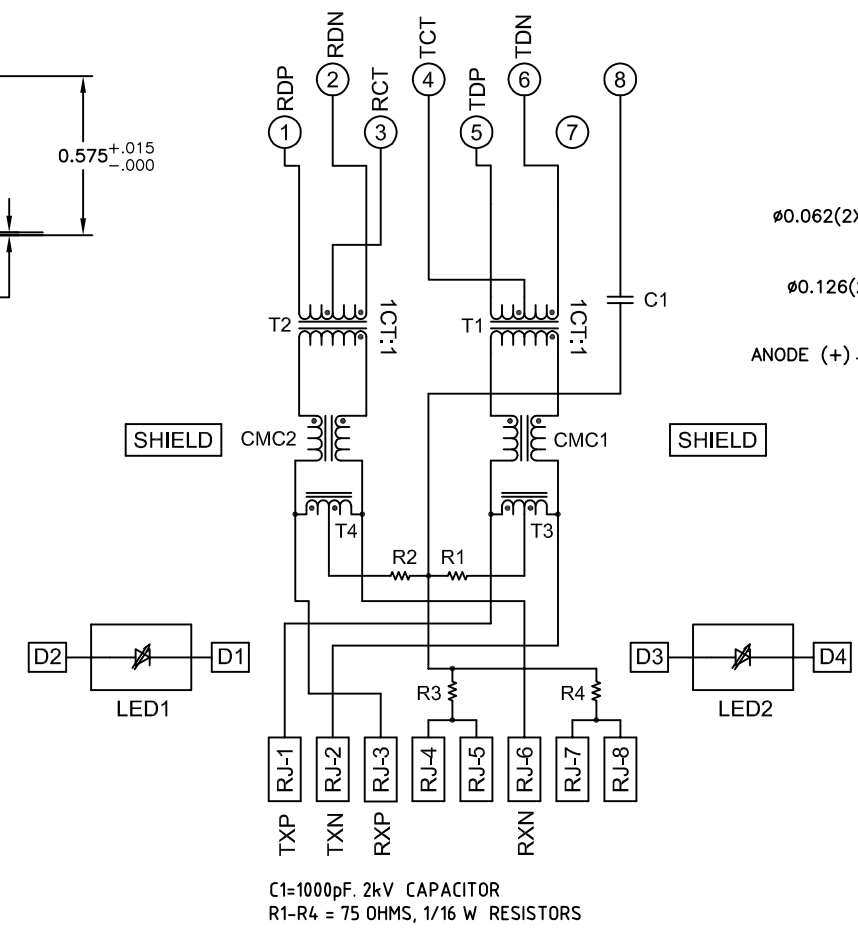
Pin Designations

- NOTES:
- △ 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
SOLDERTAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
LIGHT EMITTING DIODE(LED) - DIFFUSED 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, 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.
 - 4. OPERATING TEMPERATURE: FROM 0°C - +70°C
 - △ LEDs ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20mA.
 - △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND SUPPORT AUTO-MDI/MDIX.
 - △ TRP CONNECTOR LOGO, TE CONNECTIVITY 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 SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

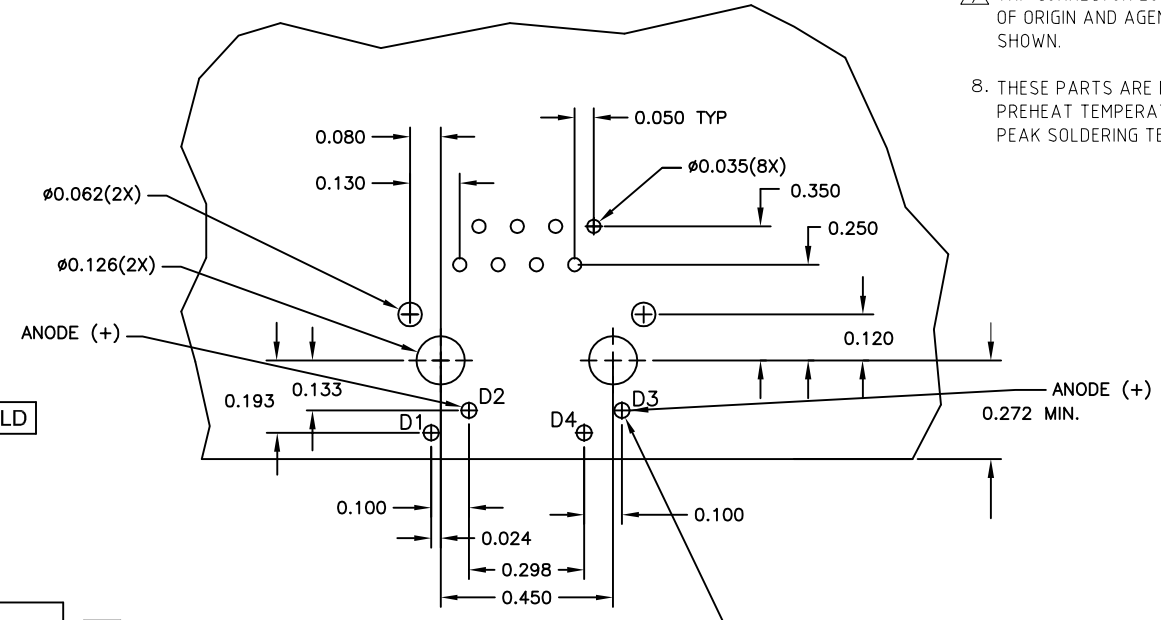


Suggested Panel Cutout

315 SERIES MAGNETIC CIRCUIT



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



Suggested PCB Layout (Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN: G. ATTADIA - 04MAR2005 CHK: D. FAROLE - 04MAR2005 APP: D. FAROLE - 04MAR2005		TRP connector Dongguan China	
DIMENSIONS: INCHES 0 PLC ± - 1 PLC ± .010 2 PLC ± .010 3 PLC ± .005 4 PLC ± .010 ANGLES ± -		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± .010 2 PLC ± .010 3 PLC ± .005 4 PLC ± .010 ANGLES ± -		PRODUCT SPEC: 108-2100 APPLICATION SPEC: 108-2100 NAME: 1X1 MAG45(TM), 4N2 SCHEMATIC, (10/100 ETHERNET), 315 SERIES CIRCUIT, DECOUPLING CAPACITOR, WITH LEDs SIZE: A1 CASE CODE: C-6605302 RESTRICTED TO: -	
MATERIAL: 1		FINISH: 1		WEIGHT: - CUSTOMER DRAWING: SCALE NTS SHEET 1 OF 1 REV D	