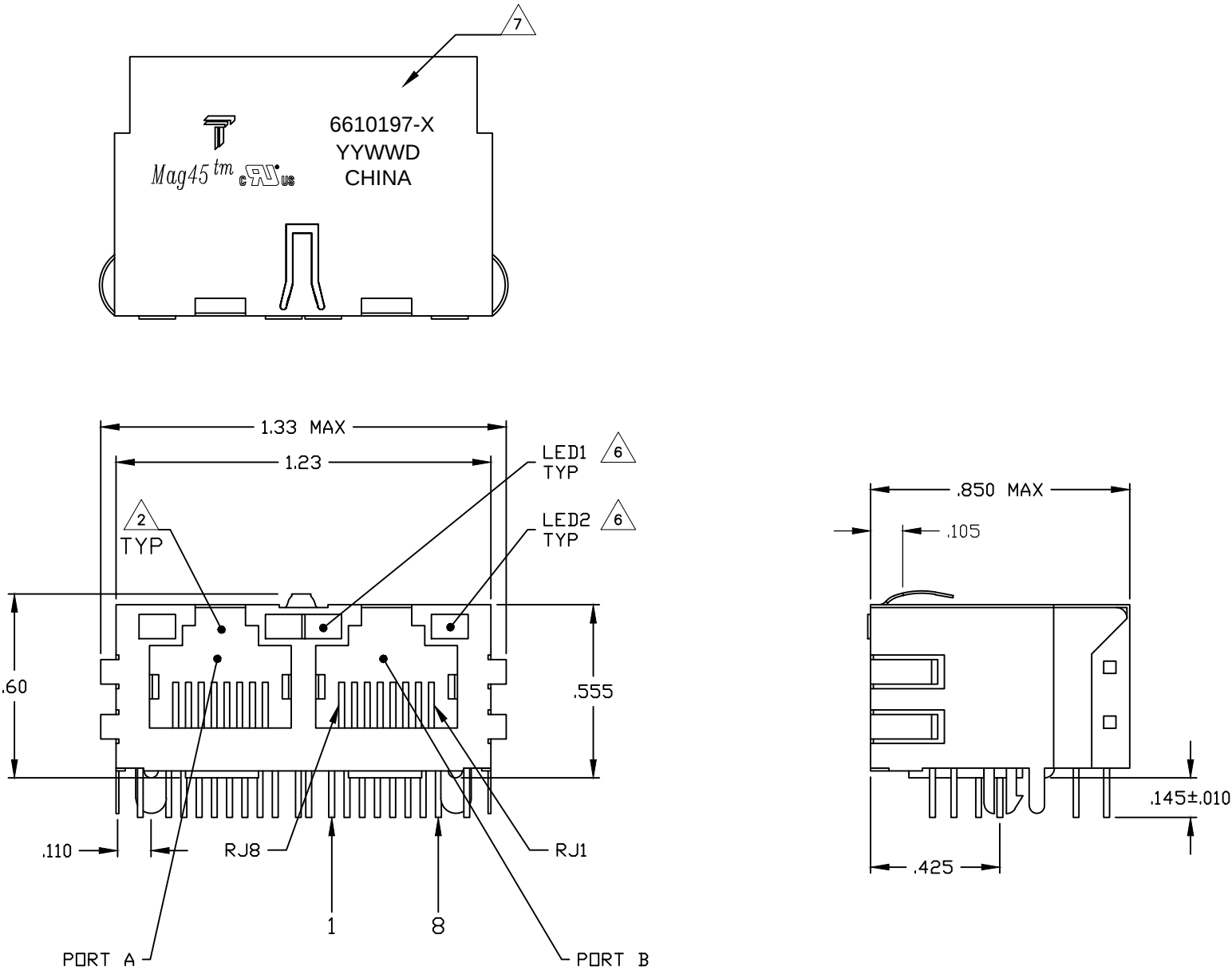


MECHANICAL:



- 1

MATERIALS:

 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .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. SOLDER TAILS 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 100μIN MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2

RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3

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 -40°C TO +85°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: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b.
- 4

OPERATING TEMPERATURE: FROM -40°C TO +85°C
- 5

INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- 6

LEDs WITH BUILT-IN RESISTOR

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

DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V

FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V
- 7

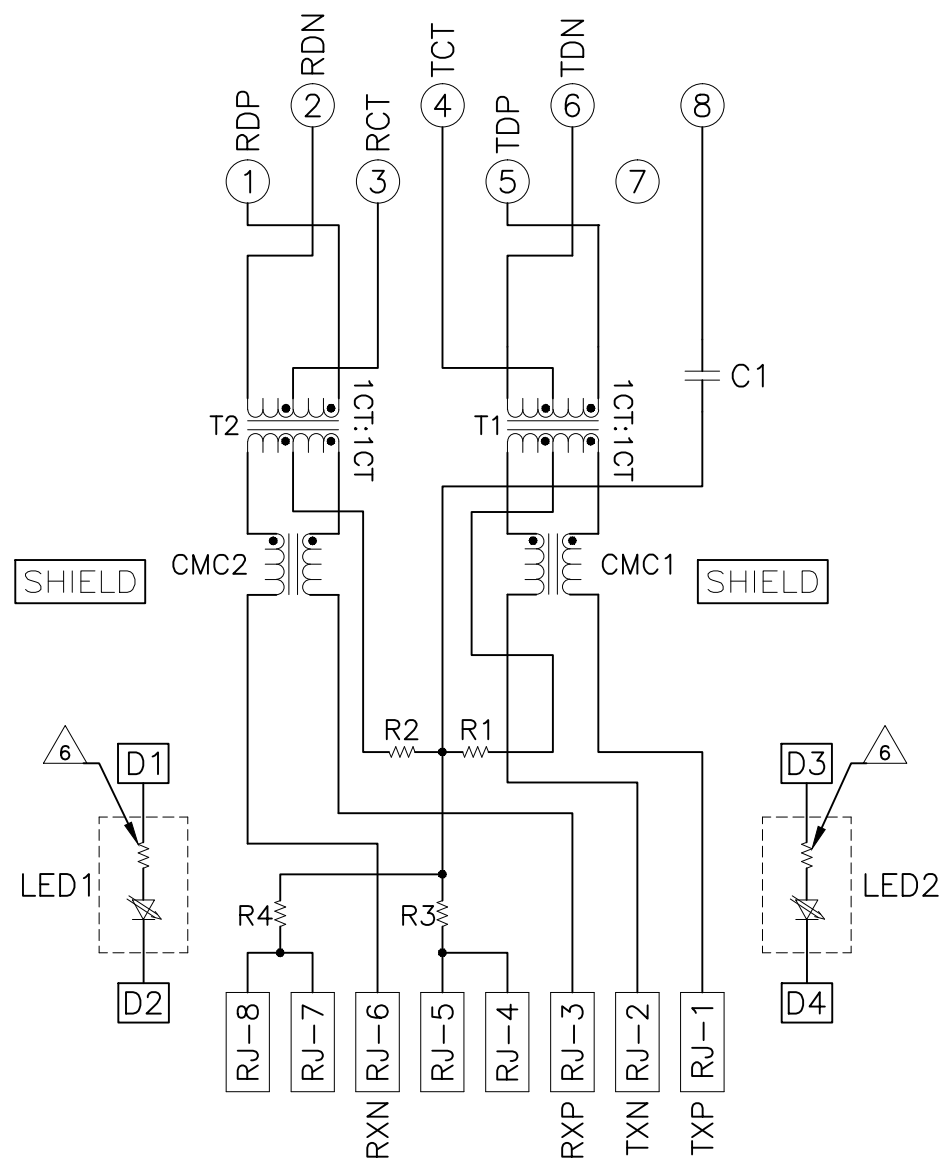
TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 8

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.

YES	GREEN	YELLOW	5-6610197-1
DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

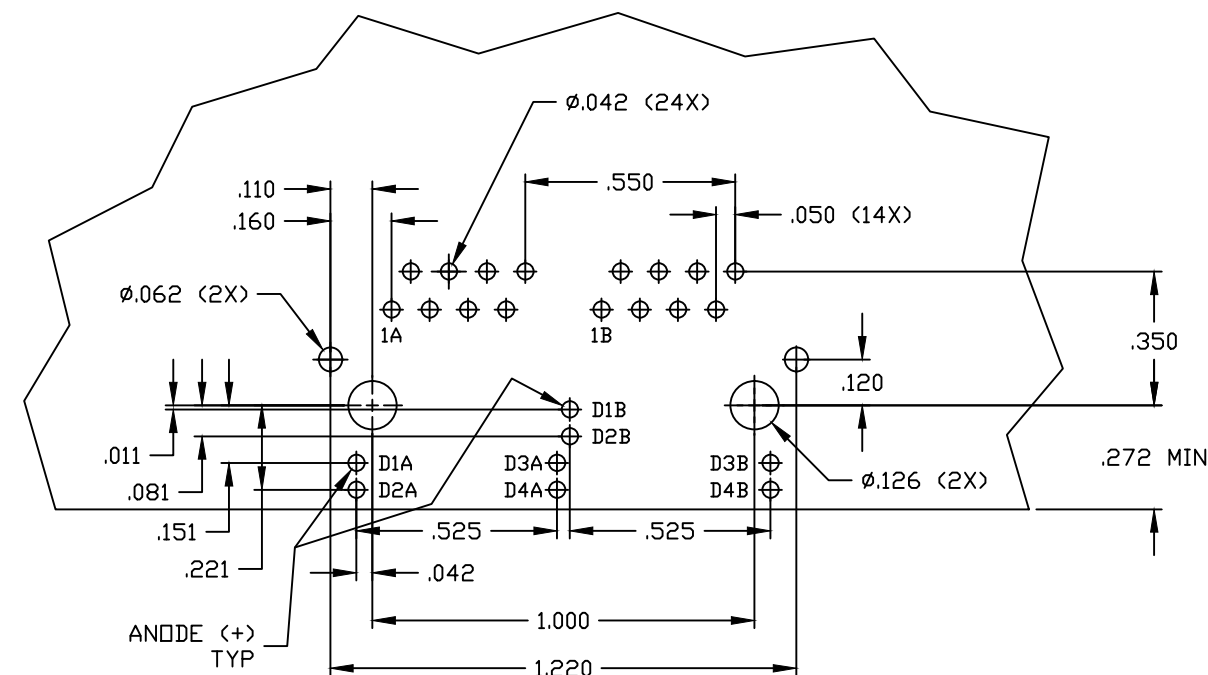
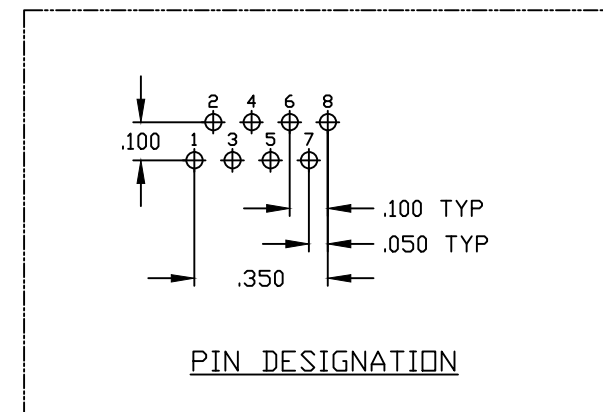
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN G. ATTADIA - DOCK5 17MAR2005	TRP connector Dongguan China	
DIMENSIONS: INCHES		CHK D. FAROLE 17MAR2005	NAME 1X2 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 726 ET SERIES CIRCUIT, SHIELDED, WITH LEDS	
TO TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. FAROLE 17MAR2005	PRODUCT SPEC 108-2100	
0 PLC ± -		APPLICATION SPEC		RESTRICTED TO
1 PLC ± -		—		—
2 PLC ± .010		—		—
3 PLC ± .005		—		—
4 PLC ± -		—		—
ANGLES ± -		—		—
MATERIAL 1		FINISH 1	WEIGHT —	SCALE 4:1
CUSTOMER DRAWING		A100779C-6610197		SHEET 1 OF 2 REV C

726 ET 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.		DIN 17MA22005 G. ATTADIA - DOCK5 CHK 17MA22005 D. FAROLE APD 17MA22005 D. FAROLE		 TRP connector Dongguan China	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X2 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 726 ET SERIES CIRCUIT, SHIELDED, WITH LEADS	
		0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± - FINISH -		PRODUCT SPEC 108-2100 APPLICATION SPEC -	
MATERIAL -		WEIGHT -		SIZE 0AGE CODE DRAWING NO A1 00779 C-6610197	
CUSTOMER DRAWING				SCALE 4:1 SHEET 2 of 2 REV	