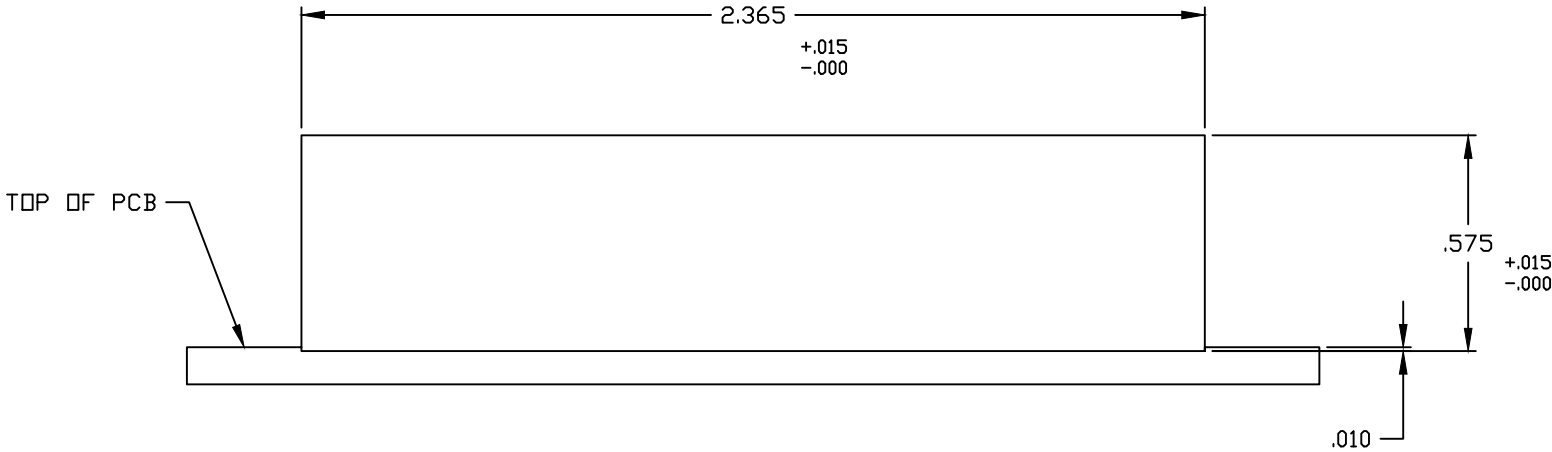
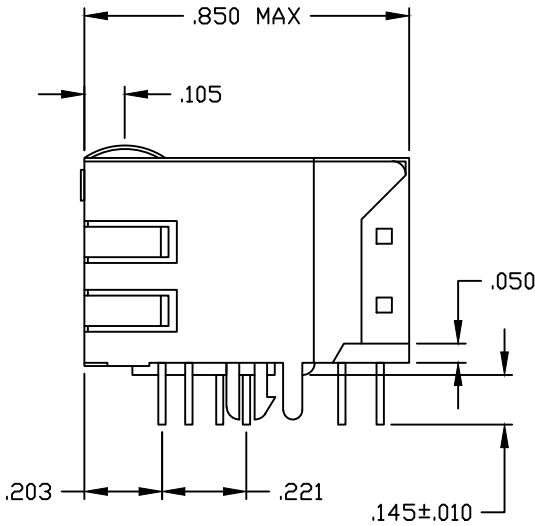
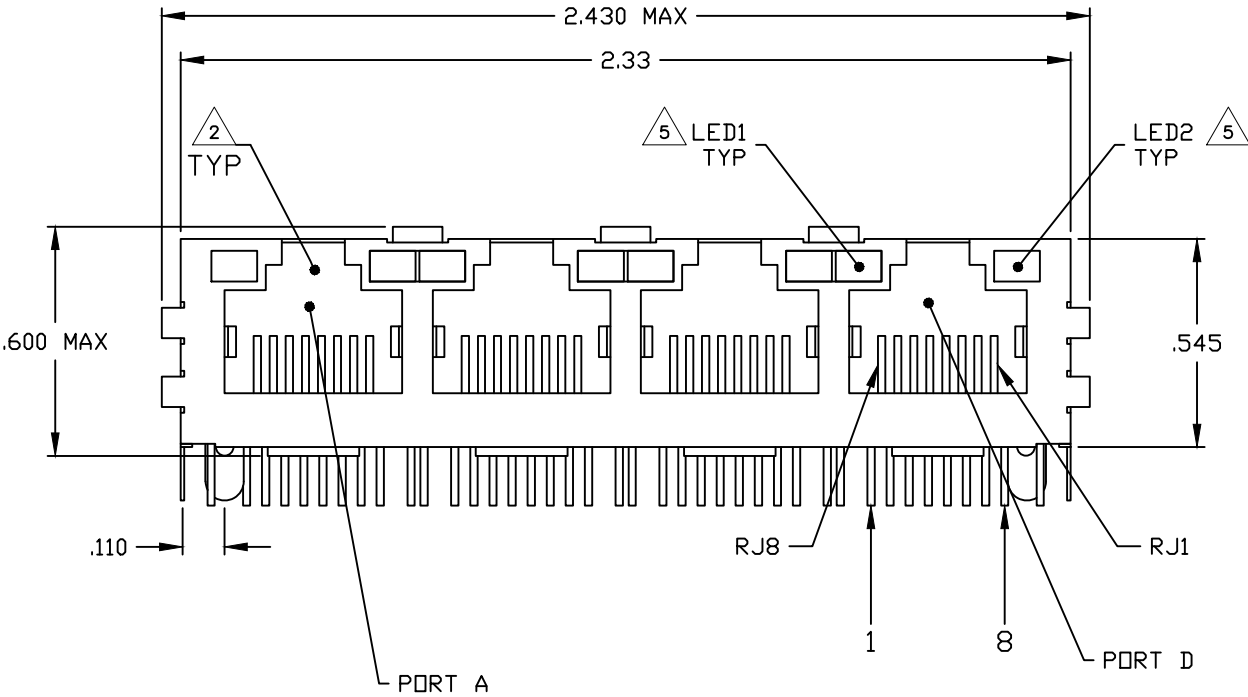
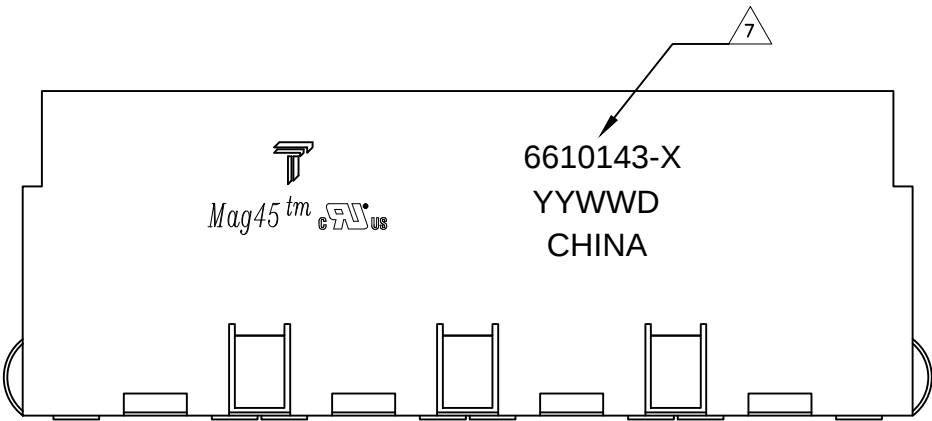


MECHANICAL:

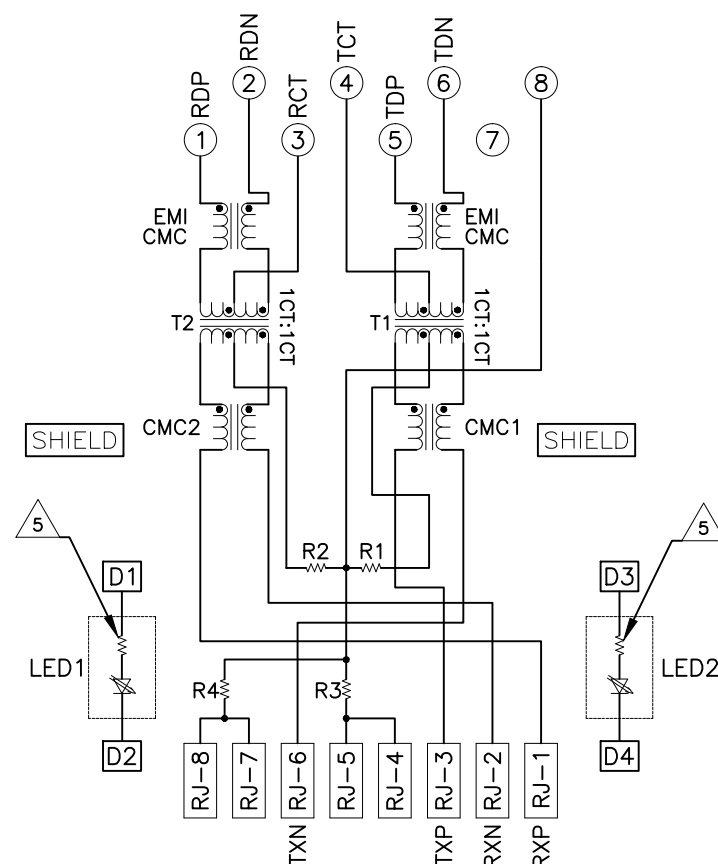
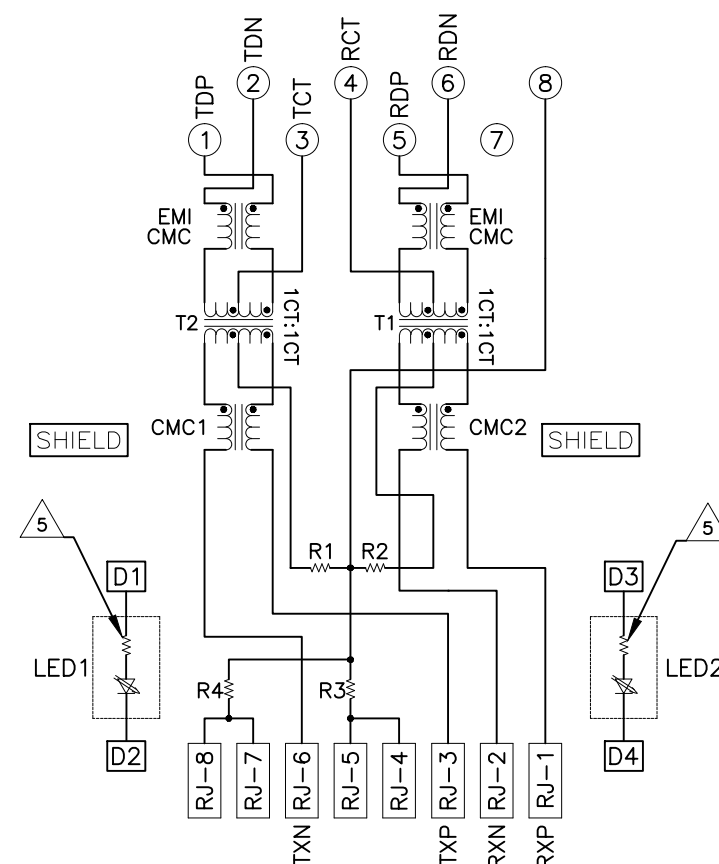


1X4 SUGGESTED PANEL CUTOUT

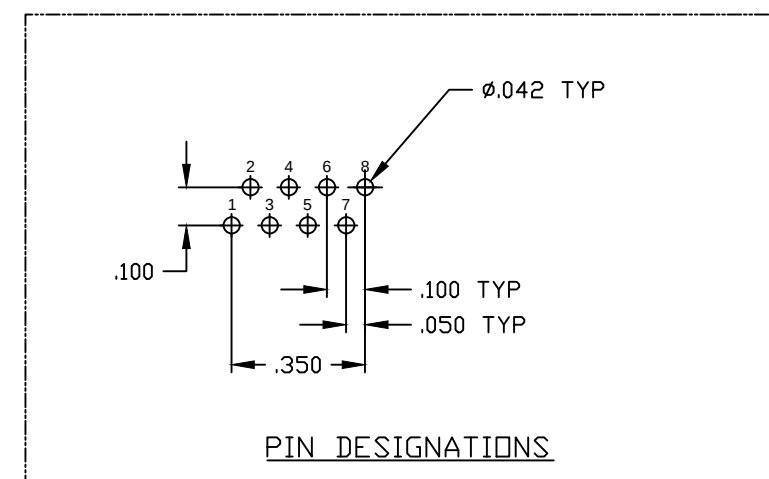
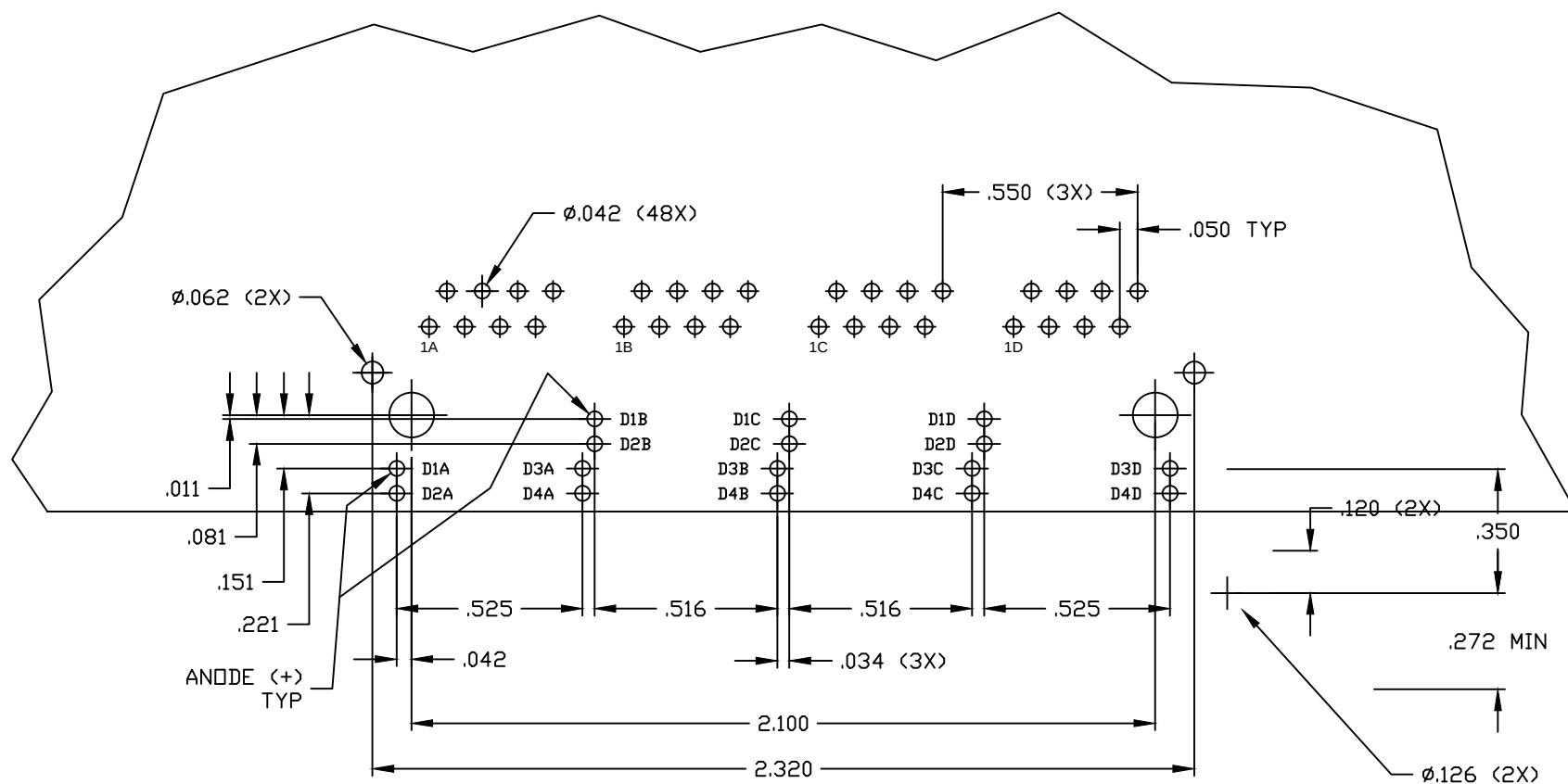
- 1
- MATERIALS:
-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
-SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30µINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100µINCH MIN SAC SOLDER.
-MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50µINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50µINCH MIN HARD GOLD FINISH PLATE.
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 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 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 AND WITH ALL PORTS CONNECTED.
4.
- OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 5
- LEDs WITH BUILT-IN RESISTOR
LEDs ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
LED COLOR : DOMINANT WAVELENGTH (AD): GREEN 568 nm TYP. @ VF=5V
FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP. @ VF=5V
FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V
- 6
- INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- 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, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.

GREEN	GREEN	1-6610143-1
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.			DRN A. FERNANDEZ-DOCKS CHK D. FAROLE APVD D. FAROLE	18MAR2005 18MAR2005 18MAR2005	 TRP connector			TRP connector Dongguan China			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		NAME		1X4 MAG45(TM) MODULAR JACK, 7K1 SCHEMATIC, 46 SERIES CIRCUIT, SHIELDED, WITH GREEN/GREEN RESISTOR LEDS			
		0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± -		108-2100		SIZE		CAGE CODE		DRAWING NO	
MATERIAL		FINISH		APPLICATION SPEC		WEIGHT		A1		00779	
				—		—		C=		6610143	
CUSTOMER DRAWING						SCALE		4:1		SHEET 1 OF 2	
						REV		D			

746K1 SERIES MAGNETIC CIRCUIT³₆
PORTS 1,3746K1 SERIES MAGNETIC CIRCUIT³₆
PORTS 2,4

R1-R4 = 75 OHMS, 1/16W, 5% RESISTOR



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN A. FERNANDEZ-DOCKS 18MAR2005	TRP connector Dongguan China	
DIMENSIONS: INCHES		CHK D. FAROLE 18MAR2005	NAME 1X4 MAG45(TM) MODULAR JACK, 7K1 SCHEMATIC, 46 SERIES CIRCUIT, SHIELDED, WITH GREEN/GREEN RESISTOR LEDS	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPRO D. FAROLE 18MAR2005	PRODUCT SPEC 108-2100	
0 PLC ± -		APPLICATION SPEC		SIZE A1
1 PLC ± -		WEIGHT		CAGE CODE 00779
2 PLC ± .010		CUSTOMER DRAWING		DRAWING NO C-6610143
3 PLC ± .005		SCALE 4:1		SHEET 2
4 PLC ± -		REV D		RESTRICTED TO
ANGLES ± -				