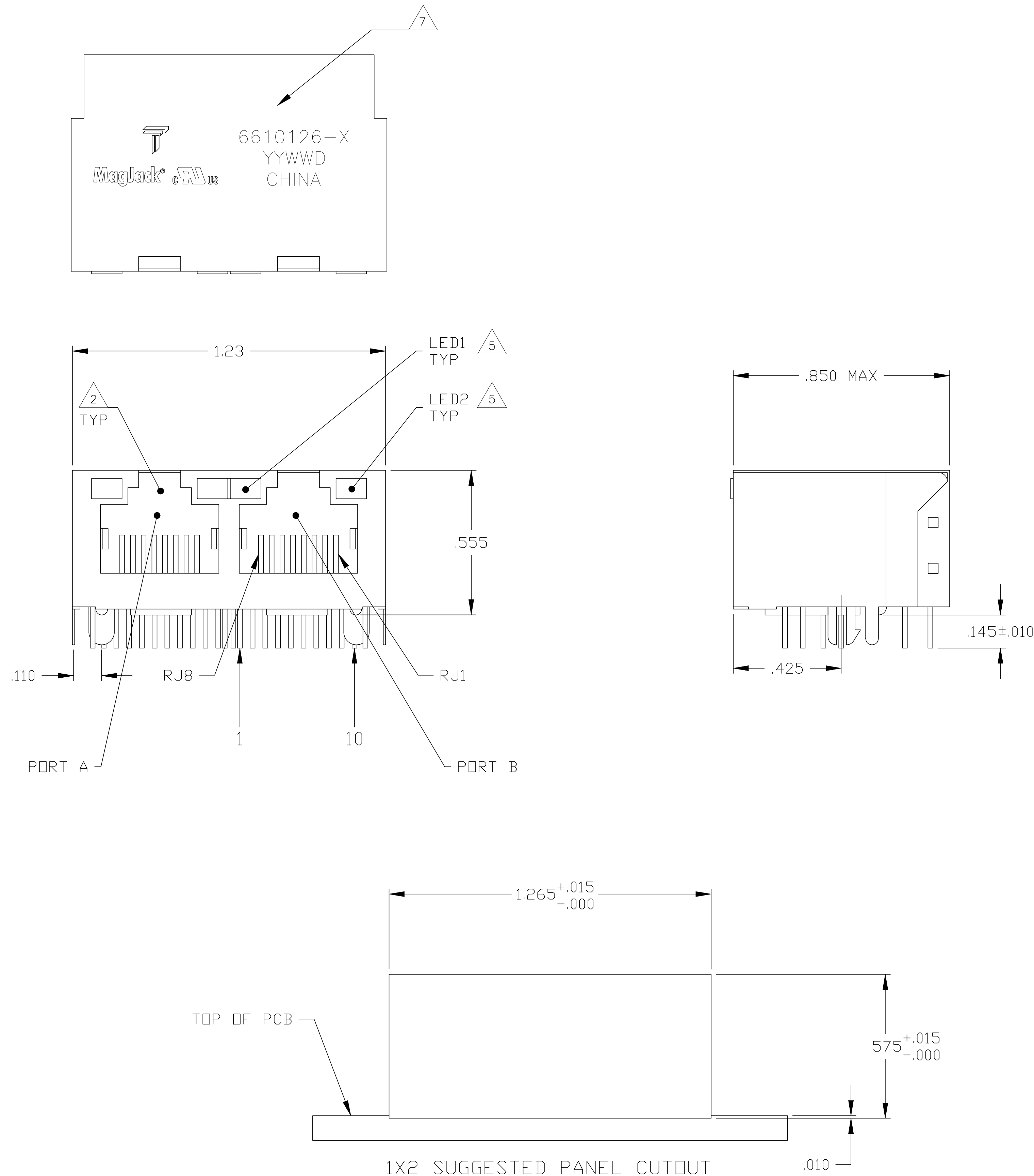


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

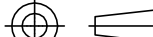
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	E	EC-1411035 COMPANY LOGO CHANGE	05JAN2015	DZ	TL

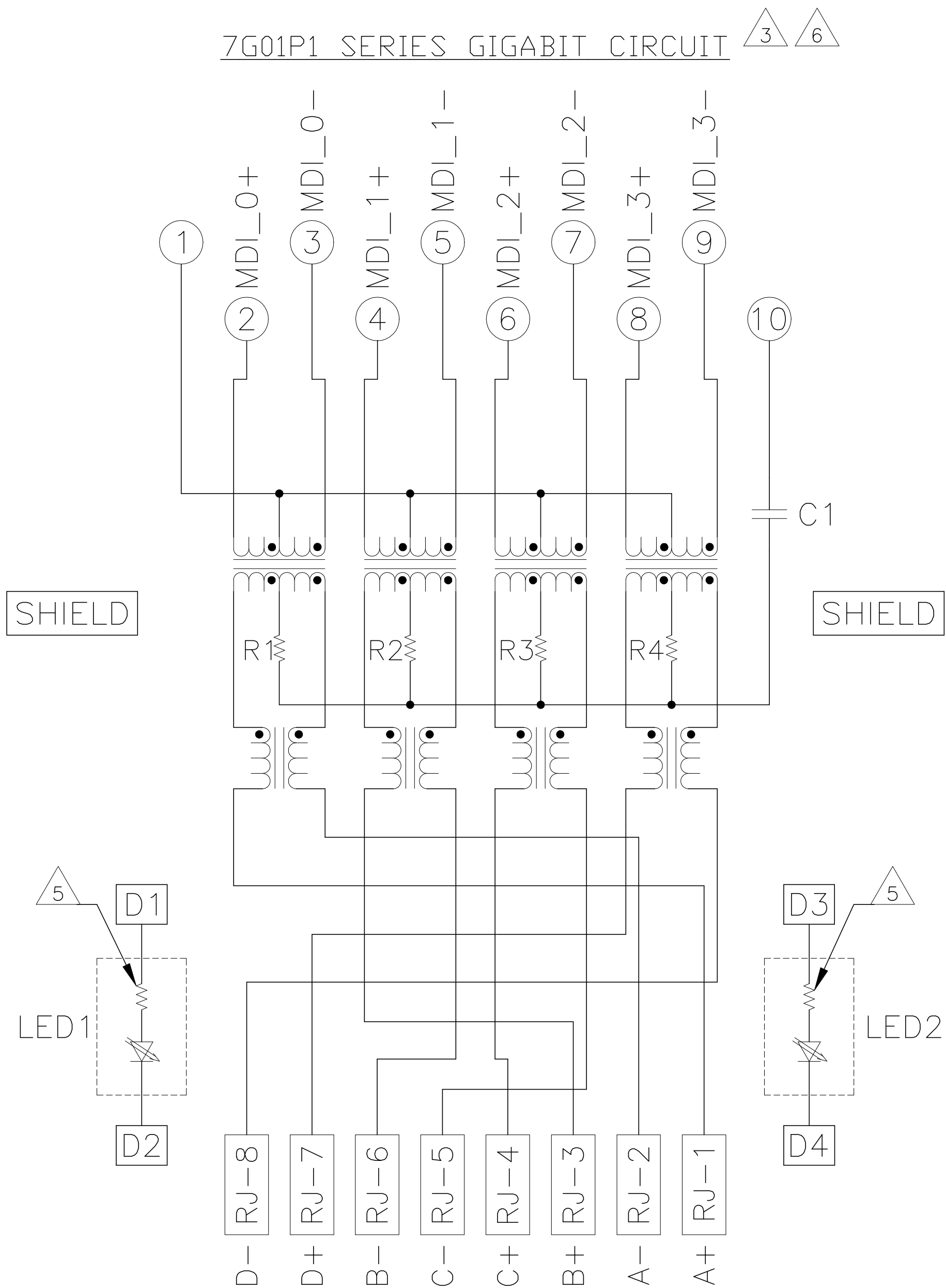
MECHANICAL:



1. MATERIALS:
 -HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 -SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μNCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μNCH MIN SAC SOLDER.
 -MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μNCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μNCH MIN HARD GOLD FINISH PLATE.
 SOLDER TAILS WITH 100μNCH 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 80μNCH SILVER OVER 40μNCH NICKEL UNDERPLATE OVER 40μNCH 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): 1:1 ALL FOUR PAIRS
 -OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 -ALL FOUR PAIRS BI-DIRECTIONAL
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 4.0MHz
 12-20LOG(f/80)dB MIN FROM 4.0.1MHz TO 100MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4.0MHz
 33-20xLOG(f/50)dB MIN FROM 4.0.1MHz 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. THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA. LED COLOR:
 DOMINANT WAVELENGTH(XD): GREEN 568nm TYP. @ VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
 DOMINANT WAVELENGTH (XD): YELLOW 588 nm TYP. @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V
6. 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.

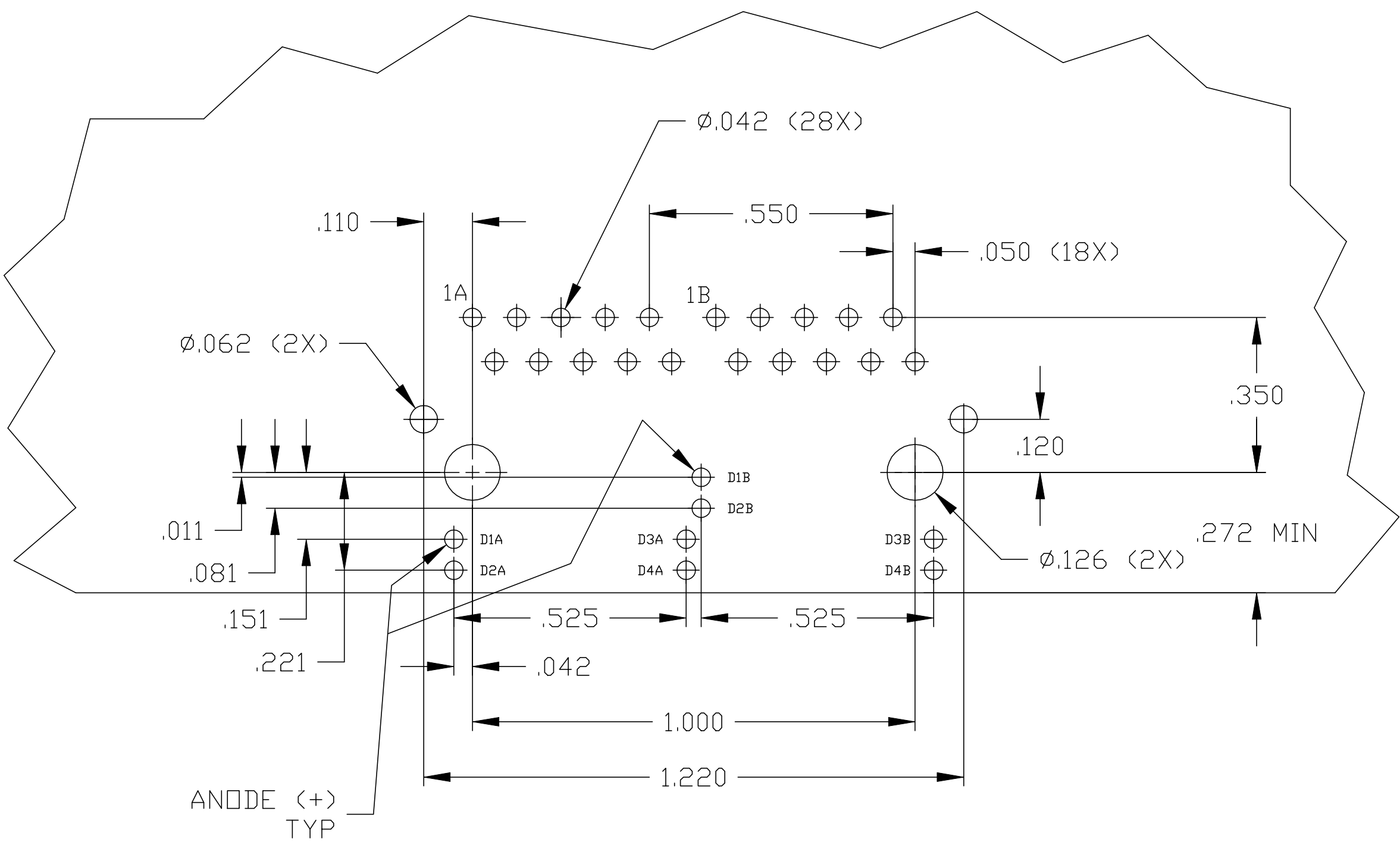
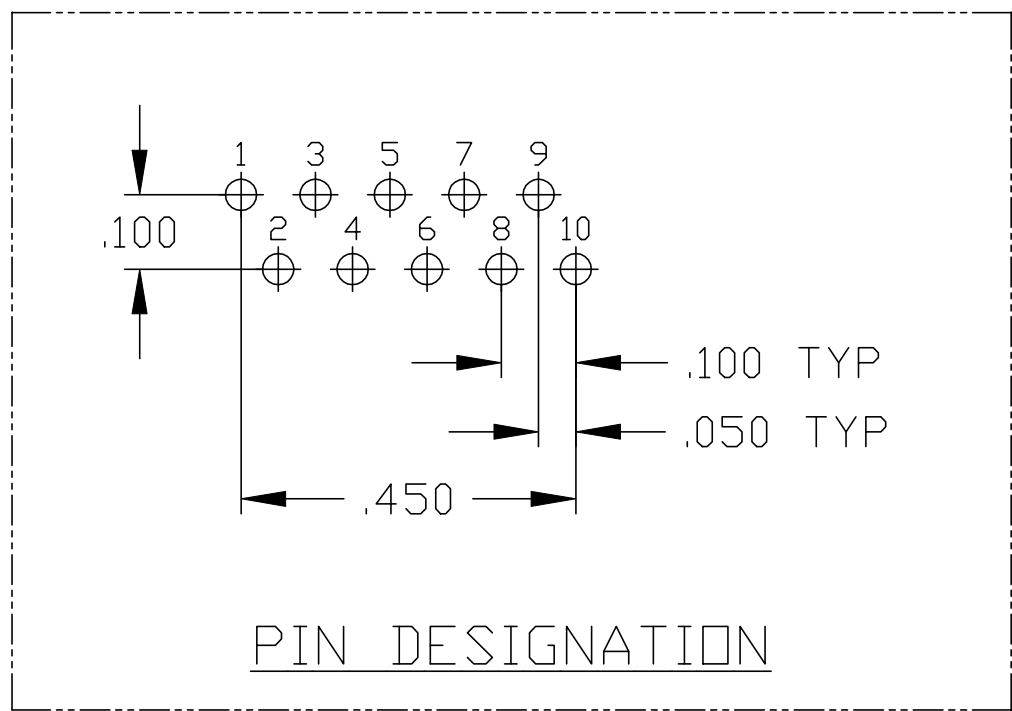
		YES		YELLOW		GREEN		5-6610126-2	
		2KV DECOUPLING CAPACITOR		LED1		LED2		PART NUMBER	
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWG A. FERNANDEZ-DOCKS 17MAR2005 CHK D. FAROLE 17MAR2005 APVD D. FAROLE 17MAR2005		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME MAGJACK GANG NOE-POE		DESC 1X2 7G01P1 GIGABIT TAB UP W/ LED -			
		0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± -				SIZE A1		CASE CODE 	
PRODUCT SPEC 108-2100		APPLICATION SPEC -		CUSTOMER DRAWING		DRAWING NO C=6610126		RESTRICTED TO -	
						SCALE NTS		SHEET 1 OF 2 REV F	

7G01P1 SERIES GIGABIT CIRCUIT



C1 = 1000 pF, 2kV CAPACITOR

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



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN: A. FERNANDEZ-DOCKS 17MAR2005		CHK: D. FAROLE 17MAR2005		APVD: D. FAROLE 17MAR2005		MODEL NAME: MAGJACK GANG		DESC: 1X2 7G01P1 GIGABIT TAB UP W/ LED		SIZE: A1		CAGE CODE: C=6610126		DRAWING NO: 108-2100		RESTRICTED TO: NOE-POE		CUSTOMER DRAWING		SCALE: NTS		SHEET: 2		OF: 2		REV: E	
DIMENSIONS: INCHES				TOLERANCES UNLESS OTHERWISE SPECIFIED:		0 PLC ± -		1 PLC ± -		2 PLC ± .010		3 PLC ± .005		4 PLC ± -		ANGLES ± -		APPLICATION SPEC		PRODUCT SPEC		108-2100		TRP CONNECTOR		DONGGUAN CHINA		G bel group		17MAR2005	