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5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
G		EC-1411035 COMPANY LOGO CHANGE	12JAN2015	HY	KZ

MECHANICAL:

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MATERIALS:
-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
-SHIELD - 0.010" 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, 0.020" X 0.020" 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.

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): 11dB 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.

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OPERATING TEMPERATURE: FROM -40°C TO +85°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(λD): GREEN 568nm TYP. AT VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP. AT VF=5V
 DOMINANT WAVELENGTH (λD): YELLOW 588nm TYP. AT VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. AT VF=5V

6

INDICATED CONNECTIONS ARE FOR NIC 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.

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THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

1X4 SUGGESTED PANEL CUTOUT

0.079	NO	YES	GREEN	YELLOW	5-6610023-2
0.145	NO	YES	GREEN	YELLOW	5-6610023-1
0.145	NO	YES	GREEN	GREEN	6-6610023-1
0.145	YES	NO	GREEN	GREEN	1-6610023-1
0.145	YES	NO	GREEN	YELLOW	6610023-1
DIM A	5 NOTCHES IN SHIELD	2KV DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

0 PLC ± -

1 PLC ± -

2 PLC ± .010

3 PLC ± .005

4 PLC ± -

ANGLES ± -

PRODUCT SPEC 108-2100

APPLICATION SPEC -

DWN L. VARELA - DOCK5 15MAR2005

CHK D. FAROLE 15MAR2005

APVD D. FAROLE 15MAR2005

MODEL NAME MAGJACK GANG NON-POE

DESC 1X4 726ET 10/100 TAB UP W/ LED

SIZE A1 CAGE CODE C=6610023 DRAWING NO C=6610023

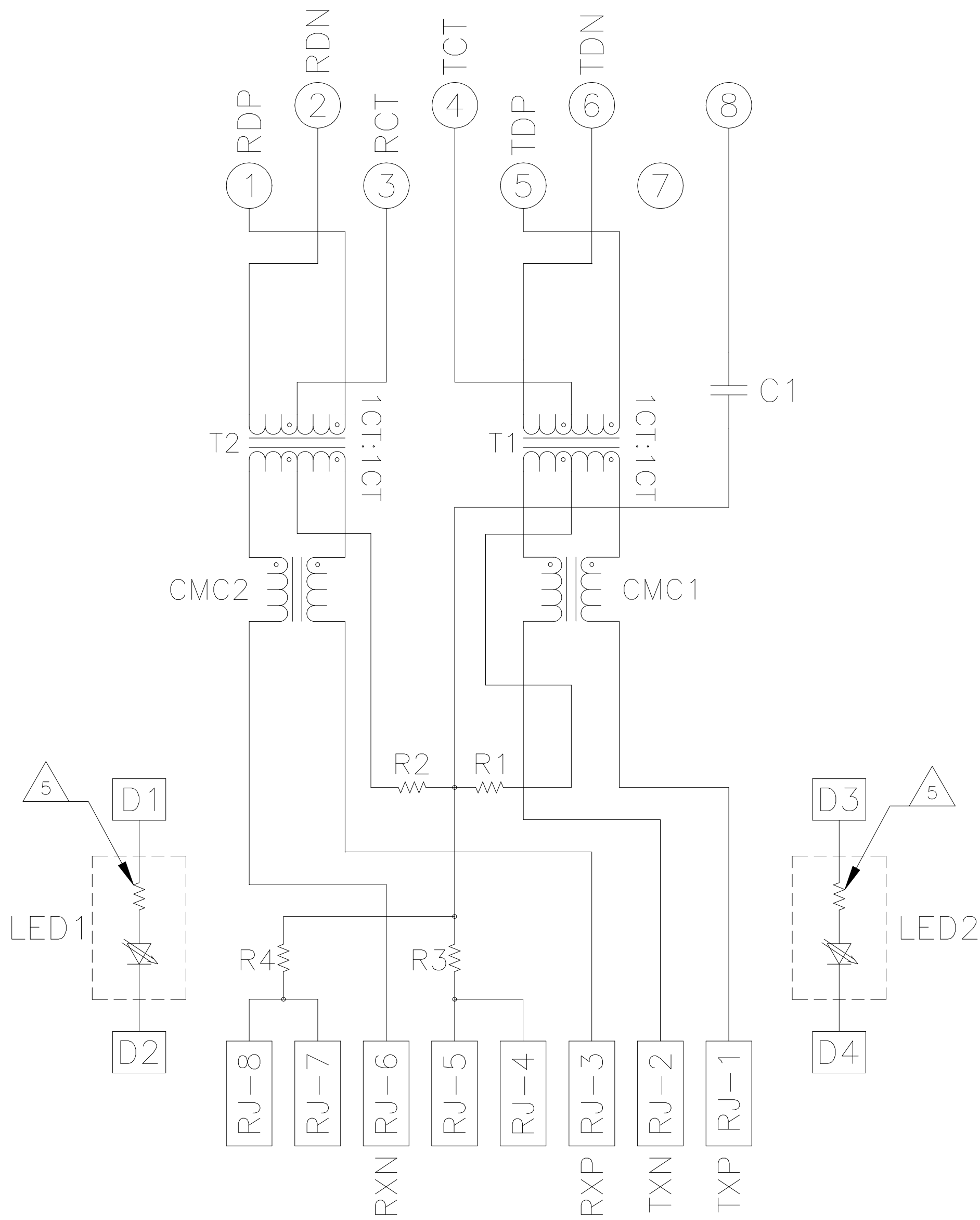
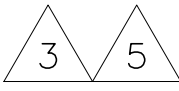
CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 2 REV G

trp CONNECTOR

DONGGUAN CHINA

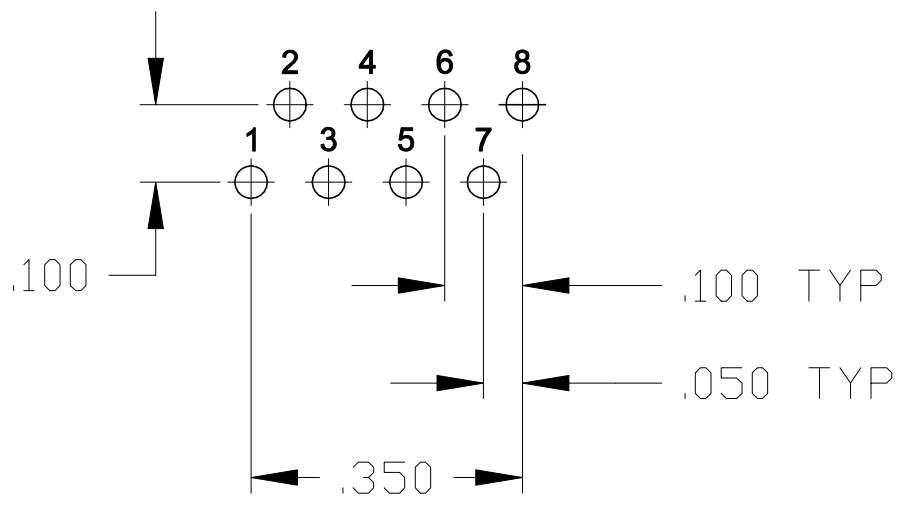
TRP Connector

726ET SERIES MAGNETIC CIRCUIT

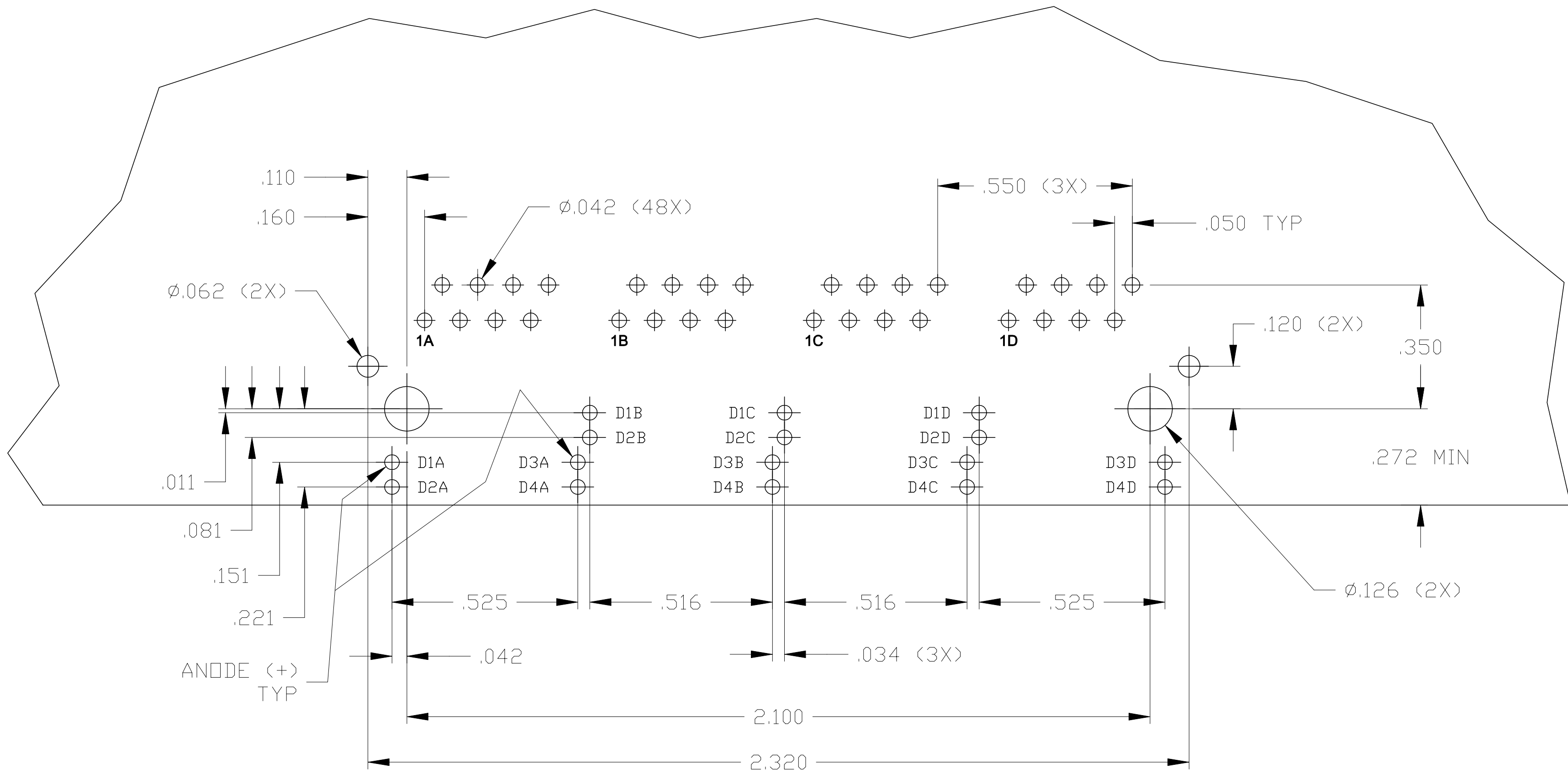


R1-R4 = 75 OHMS, 1/16W RESISTORS


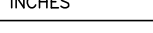
C1 = 1000 pF, 2kV CAPACITOR



PIN DESIGNATIONS



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN L. VARELA - 15MAR2005 CHK D. FAROLE 15MAR2005 APVD D. FAROLE 15MAR2005		 trp a bel group		DONGGUAN CHINA	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME		DESC			
		0 PLC ± -		MAGJACK GANG		1X4 726ET 10/100 TAB UP W/ LED		-	
		1 PLC ± -							
		2 PLC ± .010							
		3 PLC ± .005							
PRODUCT SPEC		ANGLES		NON-POE		SIZE		CAGE CODE	
108-2100		APPLICATION SPEC				A1		DRAWING NO	
				CUSTOMER DRAWING				C=6610023	
								RESTRICTED TO	
								SCALE	
								4:1	
								SHEET	
								2 OF 2	
								REV	
								G	

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[5-6610023-1](#)