



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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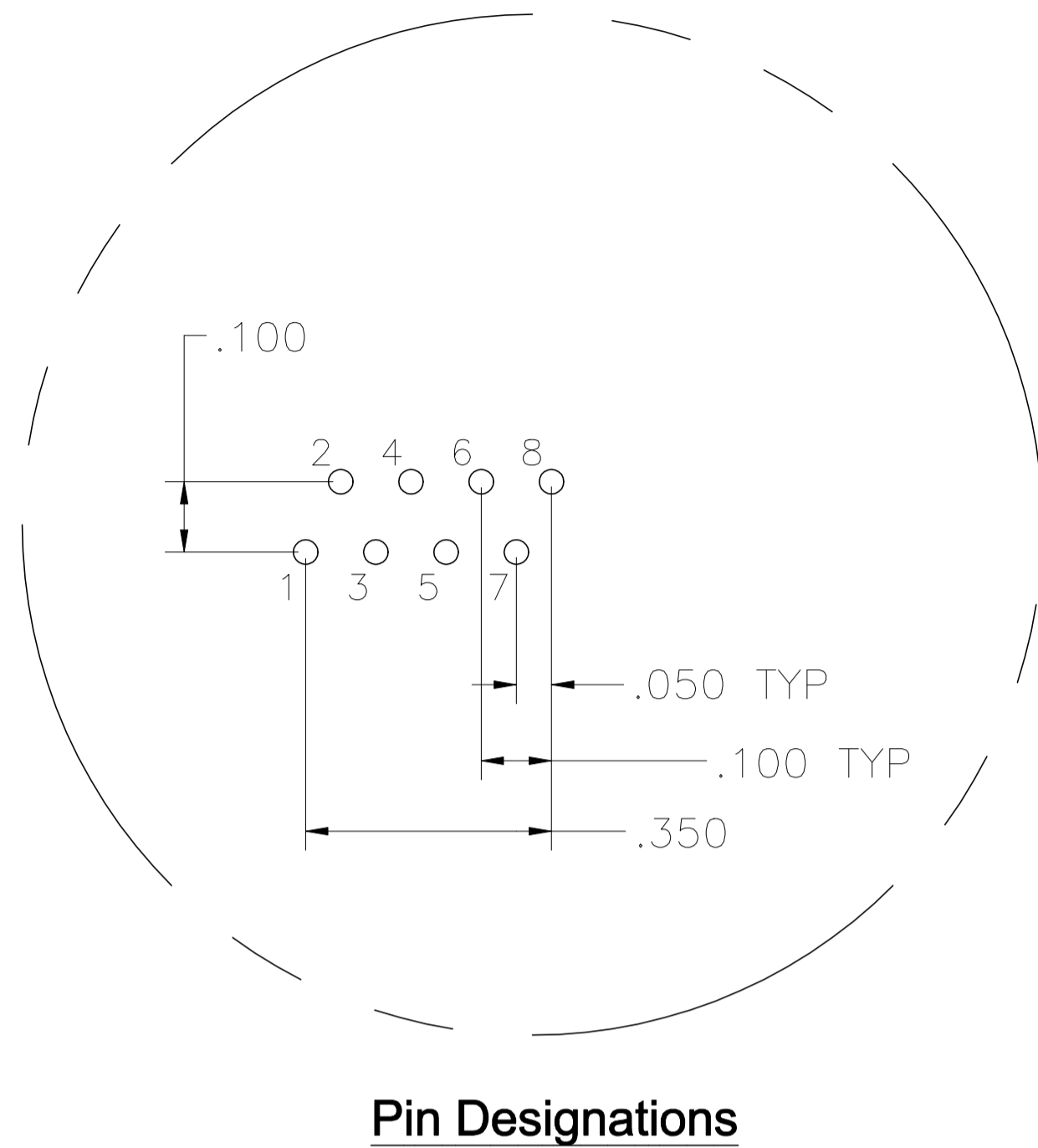
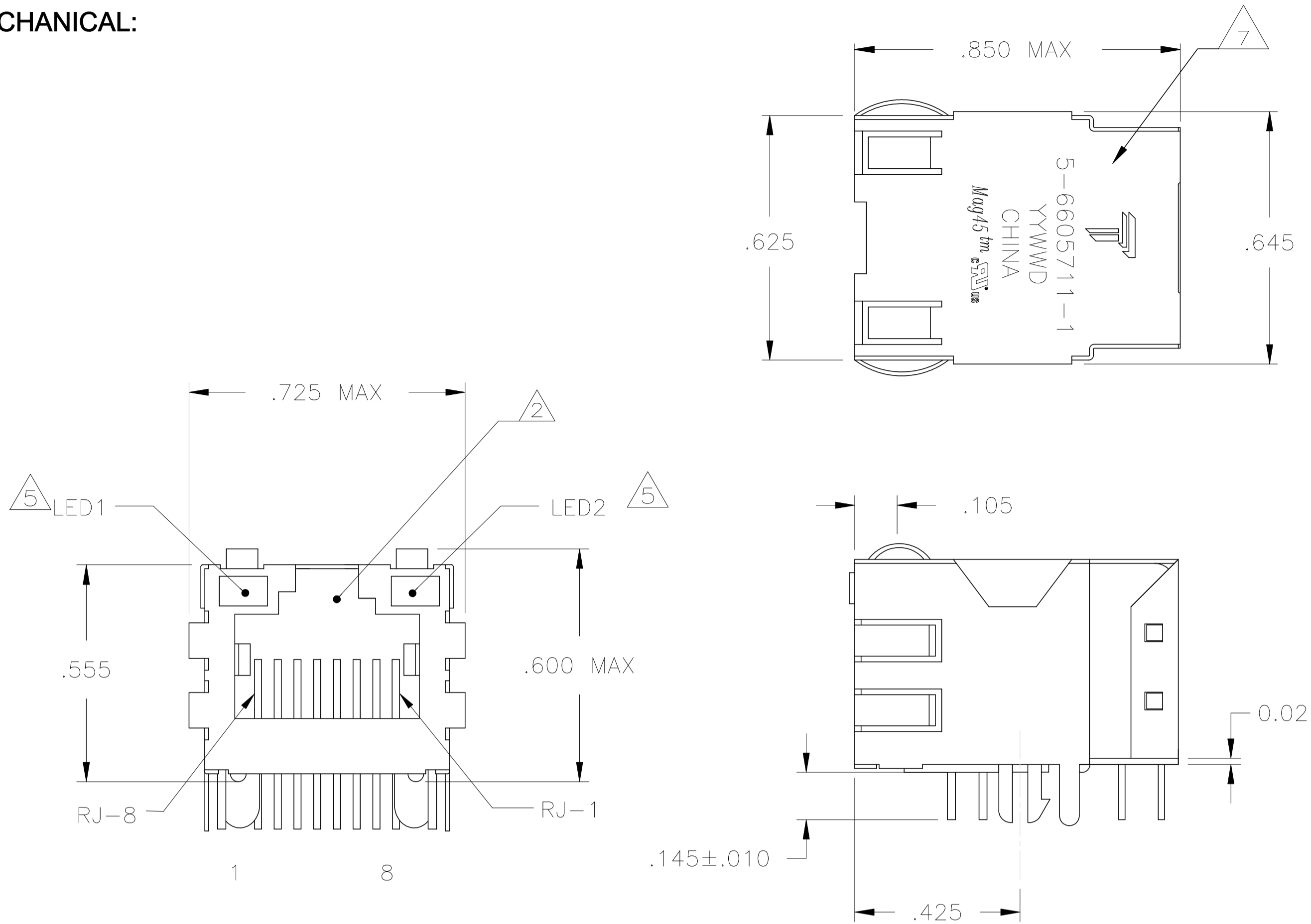


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

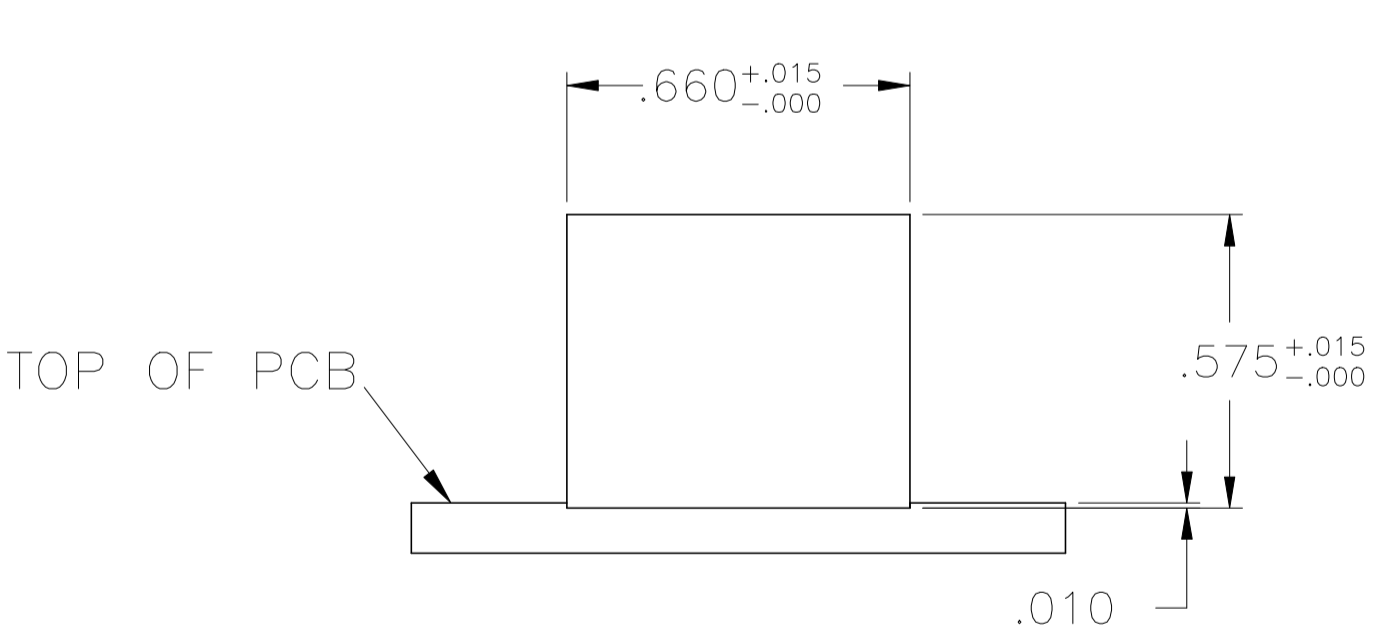
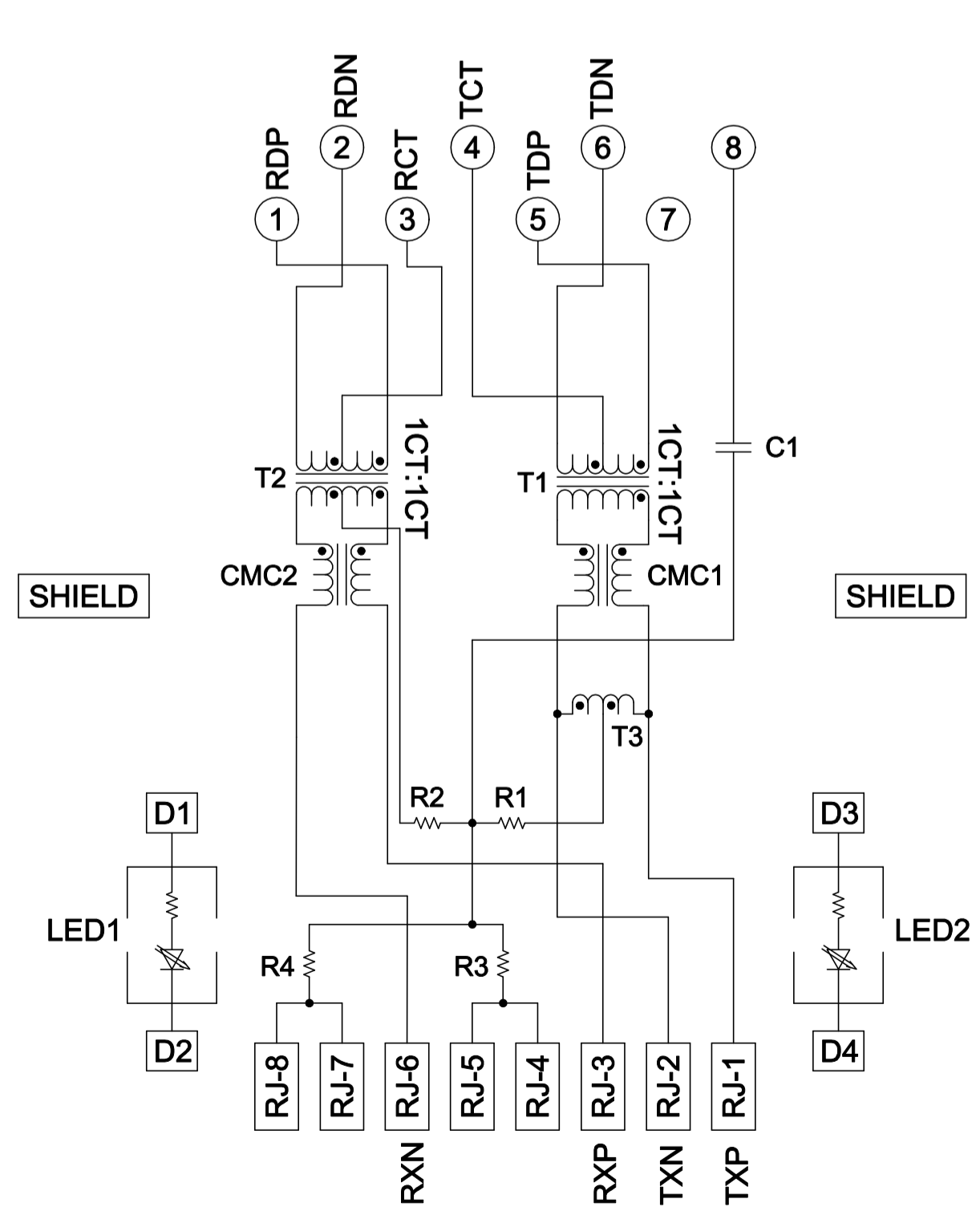
REVISIONS					
P	REV	DESCRIPTION	DATE	OWN	APVD
	E	EC-1411035 COMPANY LOGO CHANGE	30DEC2014	ST	TL

MECHANICAL:

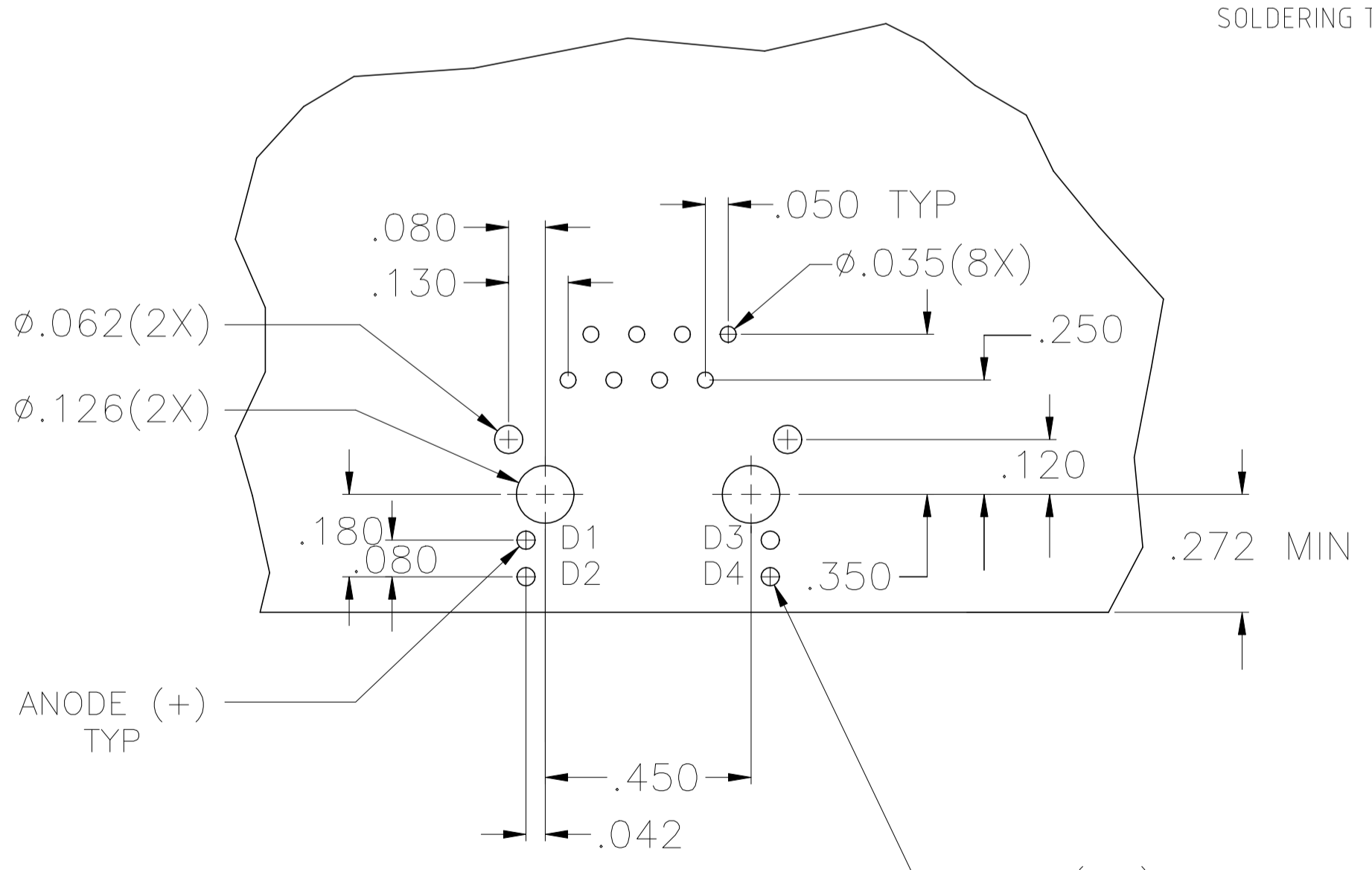


- MATERIALS:**
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL 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 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 -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
 33-20xLOG(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 -40° - +85°C.
- LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.**
 LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. At VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP. at VF=5V
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. At VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. at VF=5V
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND THEREFORE ARE NOT AUTO-MDI/MDIX CAPABLE.
- TRP CONNECTOR LOGO, 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 WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

714ET SERIES MAGNETIC SCHEMATIC



Suggested Panel Cutout



Suggested PCB Layout (Component Side)

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

YES	GREEN	YELLOW	5-6605711-1
NO	GREEN	YELLOW	6605711-1
2kV DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER
DIMENSIONS: INCHES: 0 PL ±, 1 PL ±, 2 PL ± 0.010, 3 PL ± 0.005, 4 PL ±, ANGLES ±, APPLICATION SPEC -			
THIS DRAWING IS A CONTROLLED DOCUMENT. DIMEN: INCHES: 0 PL ±, 1 PL ±, 2 PL ± 0.010, 3 PL ± 0.005, 4 PL ±, ANGLES ±, APPLICATION SPEC -		DWN: G. ATTADIA - 10MAR2005 CHK: D. FAROLE - 10MAR2005 APVD: D. FAROLE - 10MAR2005 MODEL NAME: MAGJACK DESC: 1X1 714ET 10/100 TAB UP W/ LED SIZE: A1 CAGE CODE: C=6605711 DRAWING NO: 108-2100 RESTRICTED TO: -	
CUSTOMER DRAWING		SCALE: NTS	SHEET: 1 OF 1 REV: E