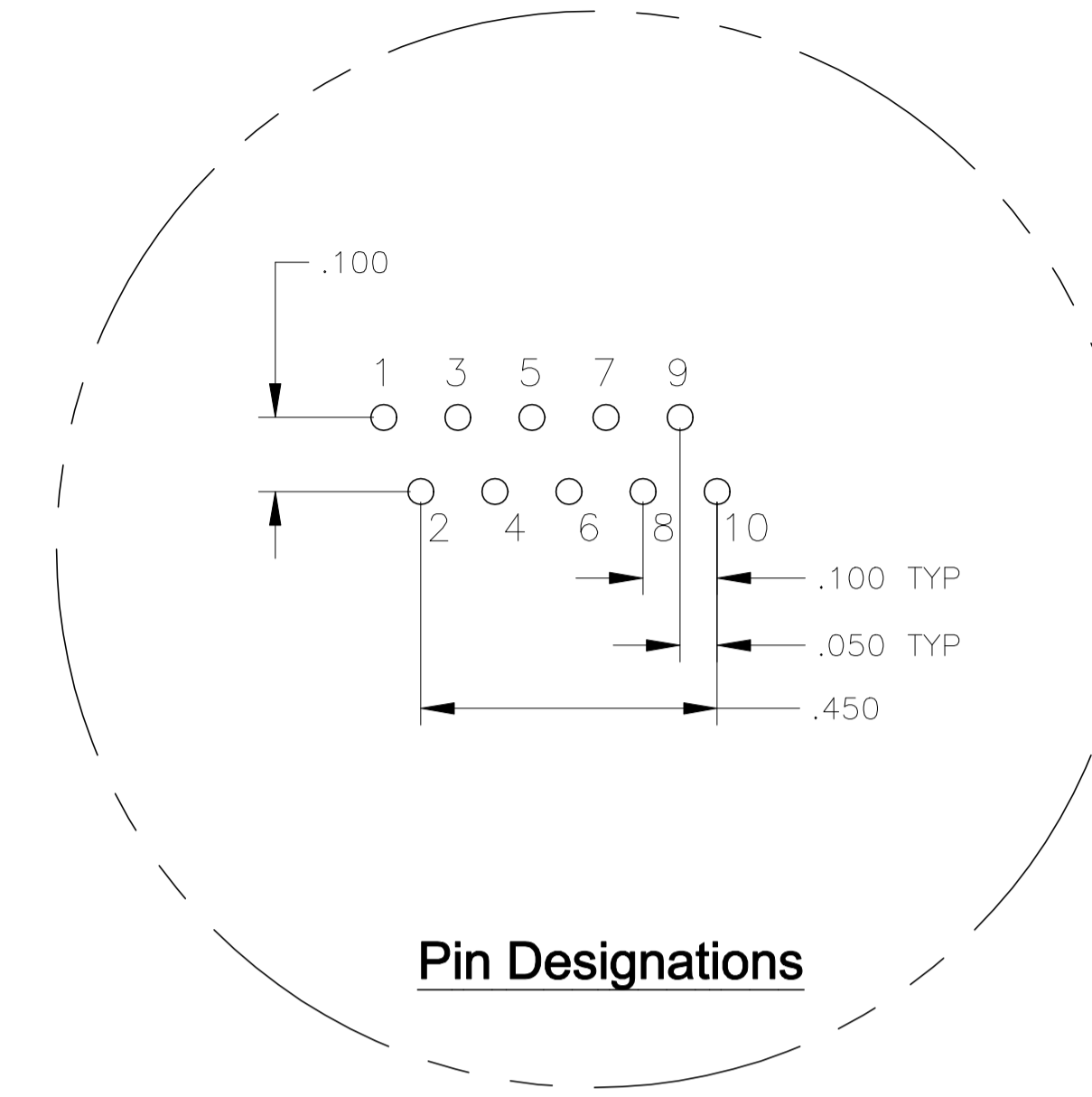
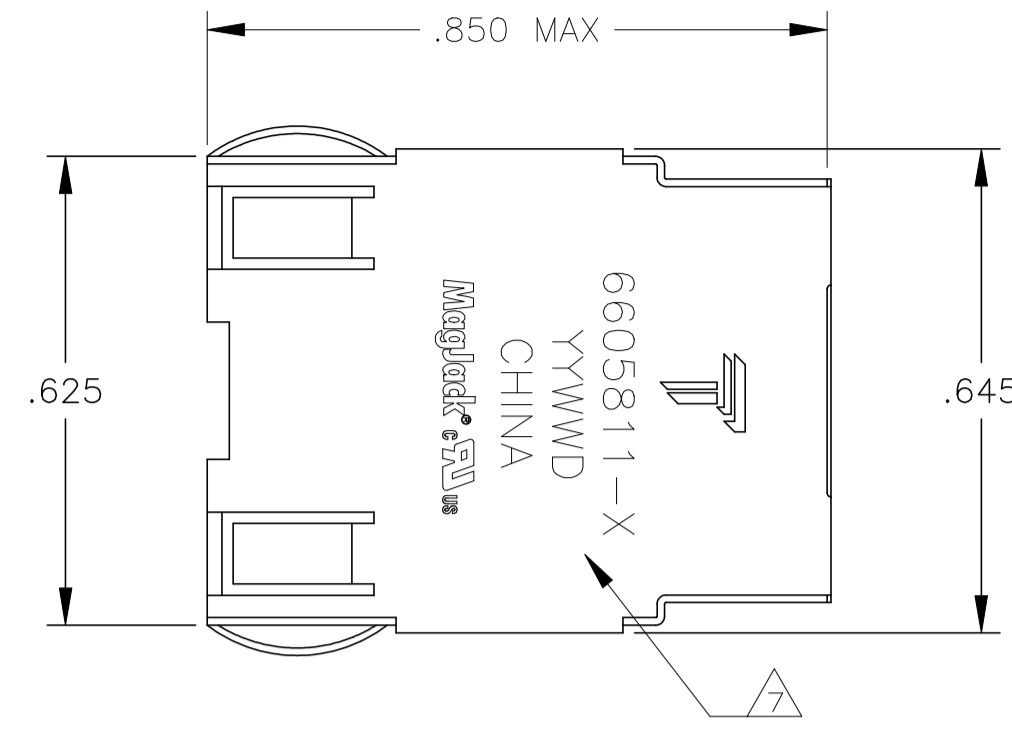


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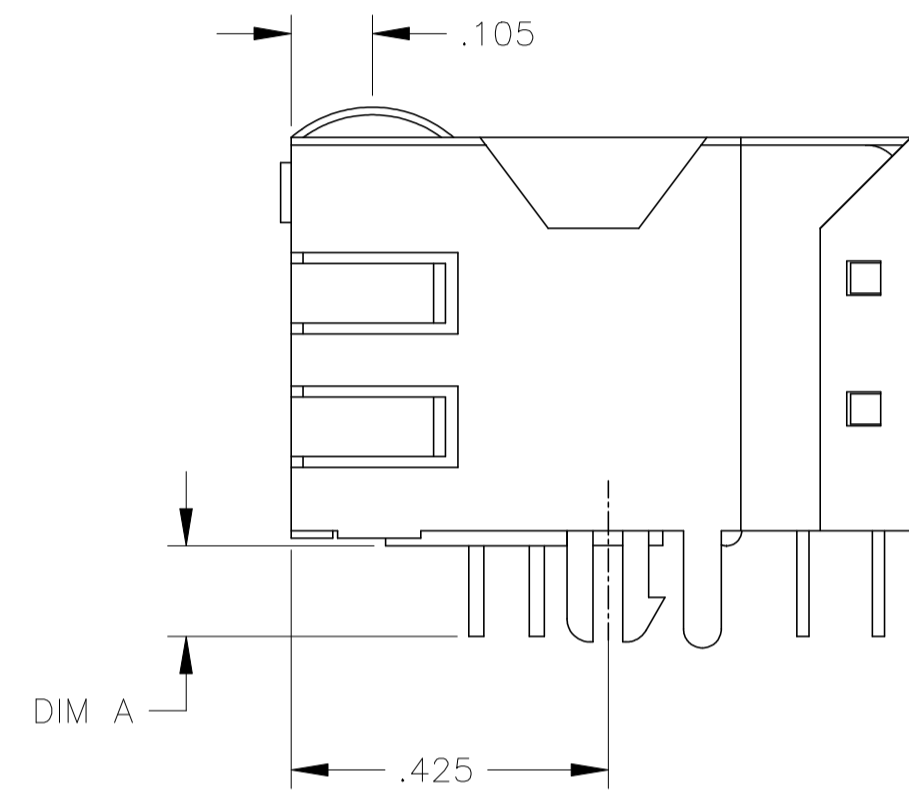
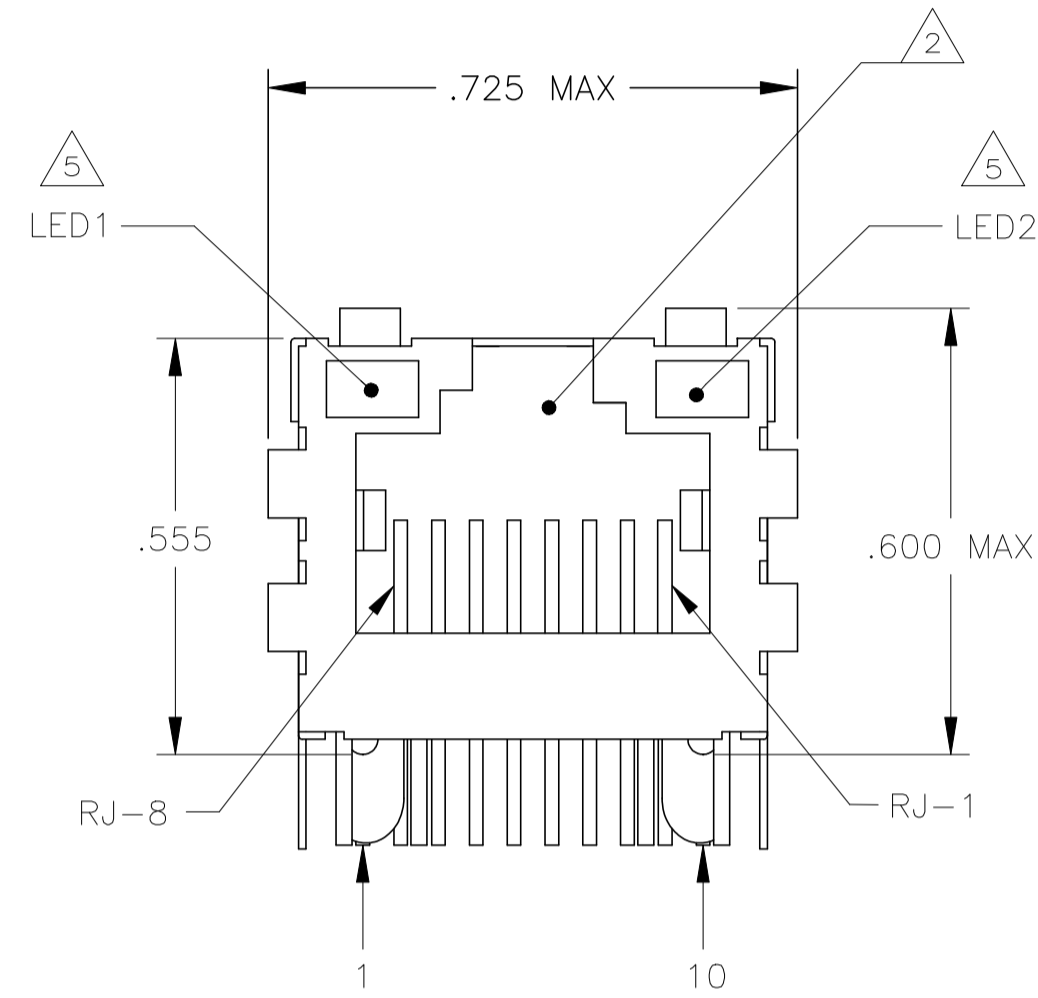
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LYR	DESCRIPTION	DATE	APVD
F		EC-1411035 COMPANY LOGO CHANGE	08JAN2015	HY KZ

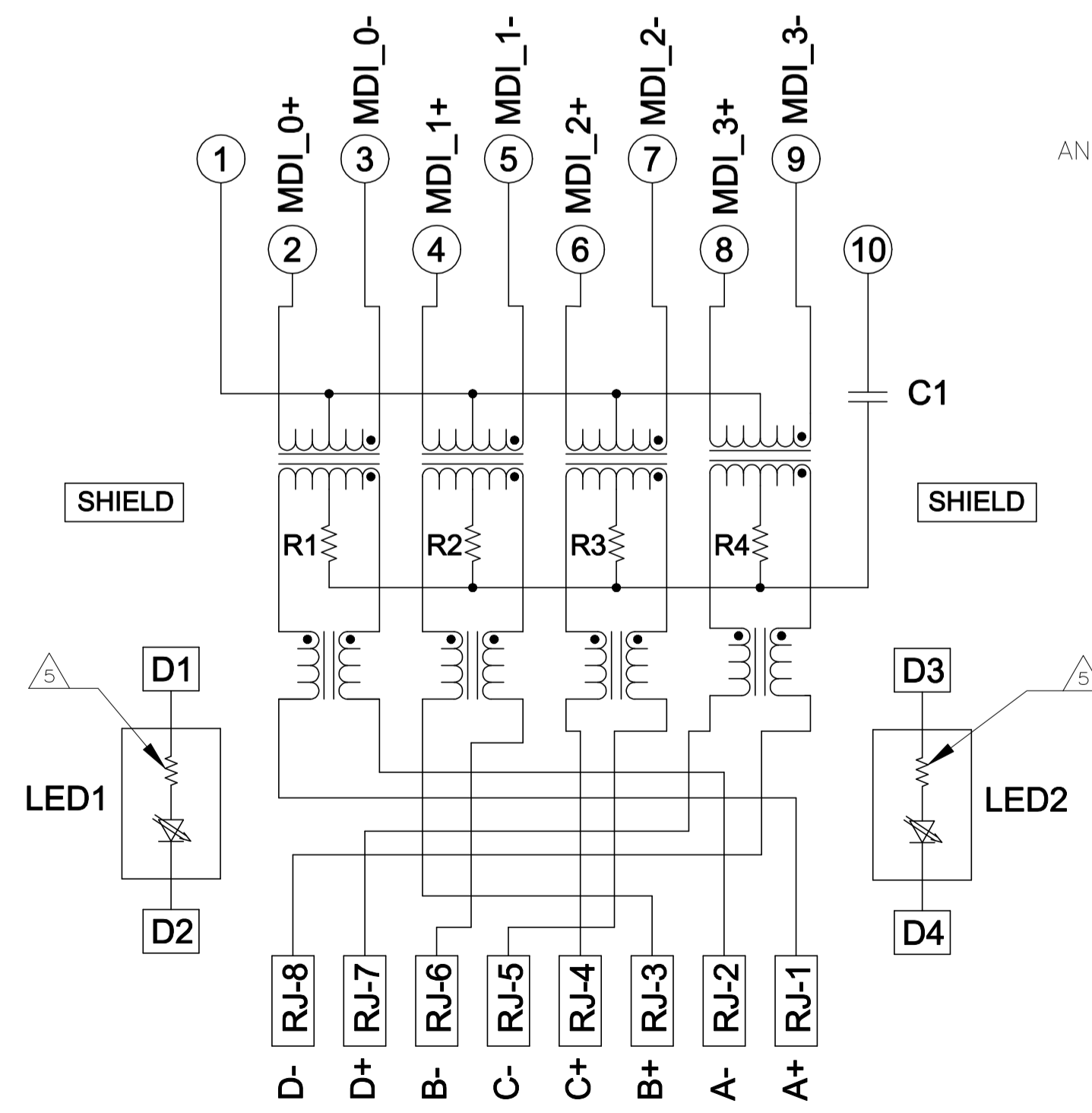
MECHANICAL:



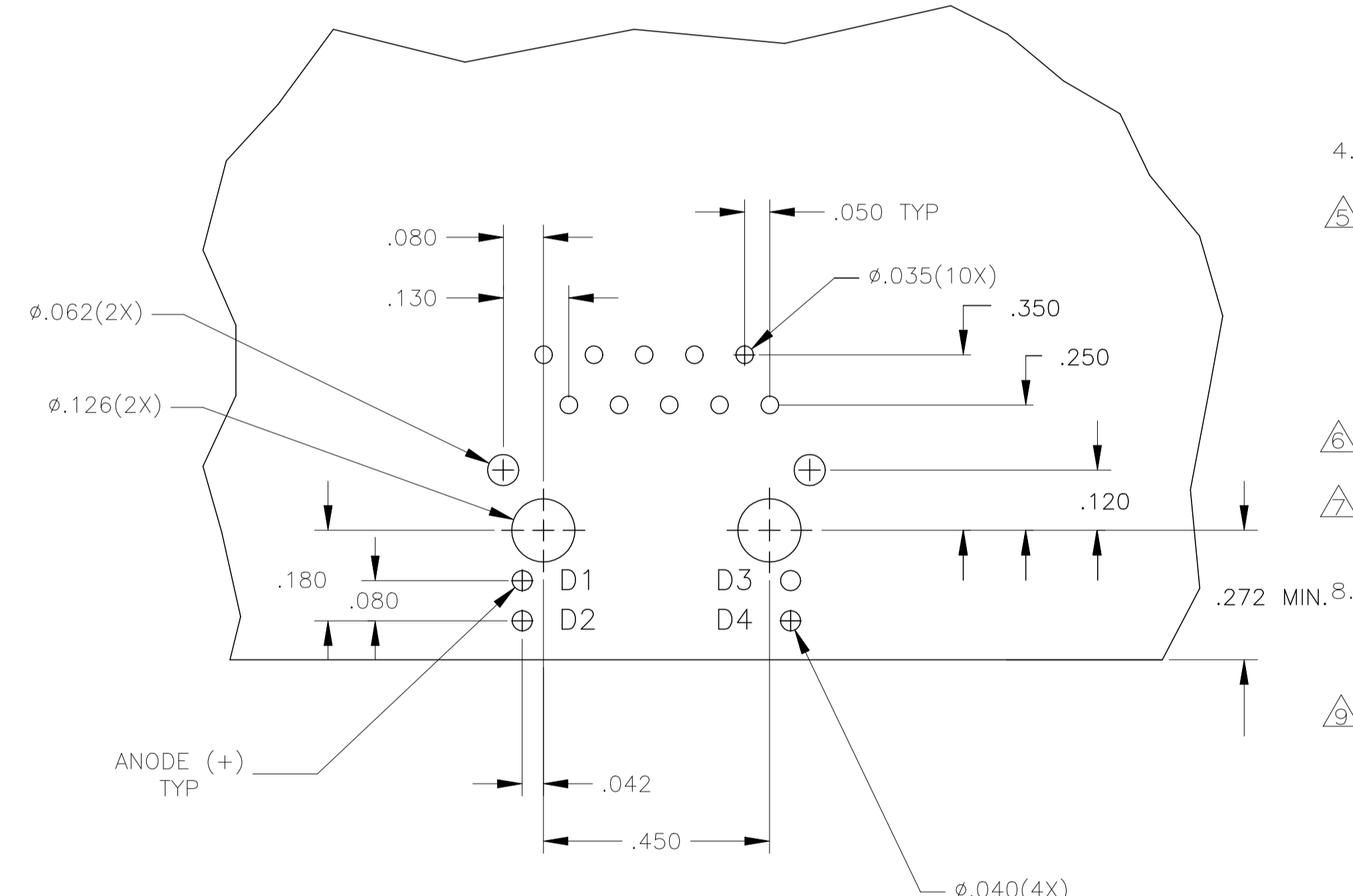
Pin Designations



7G01P1 SERIES GIGABIT CIRCUIT



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



Suggested PCB Layout (Component Side)

- ⚠️ **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): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC 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 40MHz
 - 12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 - 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 0°C - +70°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 @ VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP @ VF=5V
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP @ VF=5V
- ⚠️ THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDIX.
- ⚠️ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- ⚠️ 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.
- ⚠️ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

⚠️ OBSOLETE	.145±.010	YES	GREEN	GREEN	6-6605811-1
	.145±.010	YES	YELLOW	GREEN	5-6605811-2
	.145±.010	YES	GREEN	YELLOW	5-6605811-1
	.165±.010	YES	GREEN	GREEN	2-6605811-1
DIM A	2KV DECOUPLING CAPACITOR		LED1	LED2	PART NUMBER

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		THIS DRAWING IS A CONTROLLED DOCUMENT.	
INCHES				OWN: L. VARELA - DOCK5	03MAR2005
0 PLG	± .			CHK: D. FAROLE	03MAR2005
1 PLG	± .			APVD: D. FAROLE	03MAR2005
2 PLG	± .010				
3 PLG	± .005				
4 PLG	± .				
ANGLES	± .				
APPLICATION SPEC					
PRODUCT SPEC					
108-2100					



MODEL NAME	DESC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
MAGJACK SINGLE	1X1 7G01P1 GIGABIT TAB UP W/ LED	A1		C=6605811	
NON-POE					
CUSTOMER DRAWING	SCALE	SHEET	OF	REV	F
	1:1	1	1		

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