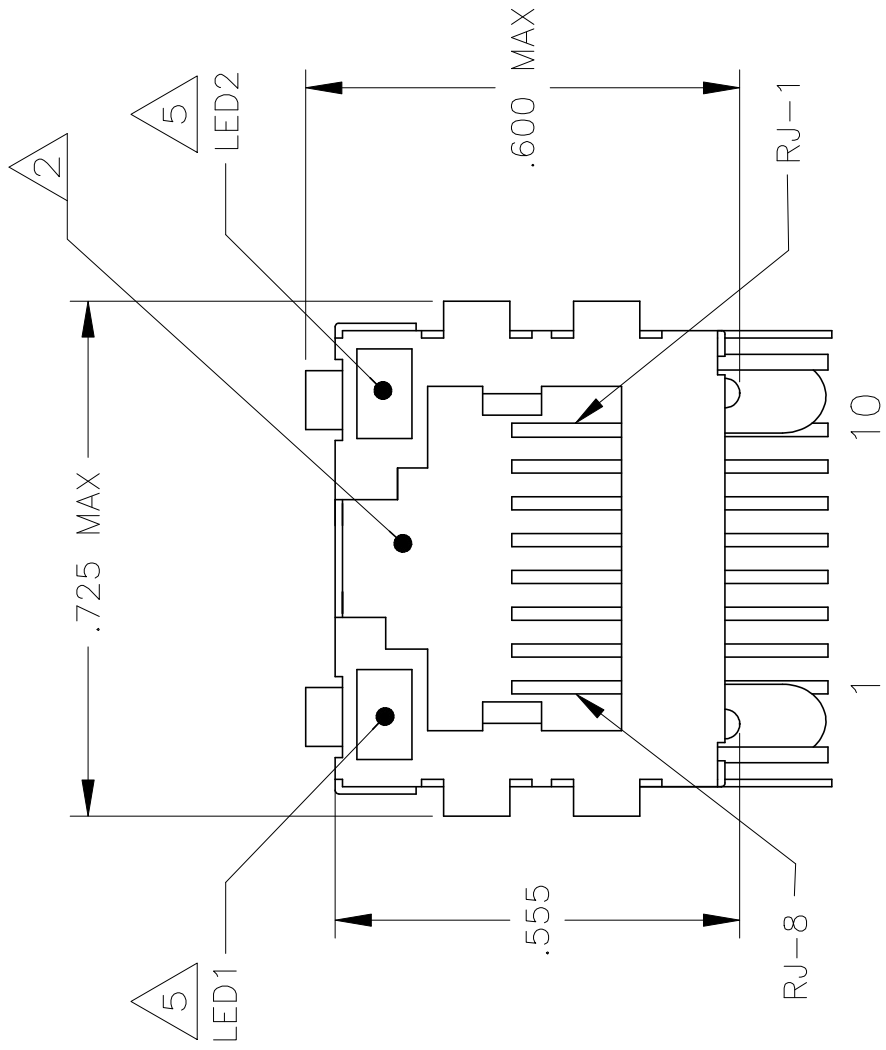
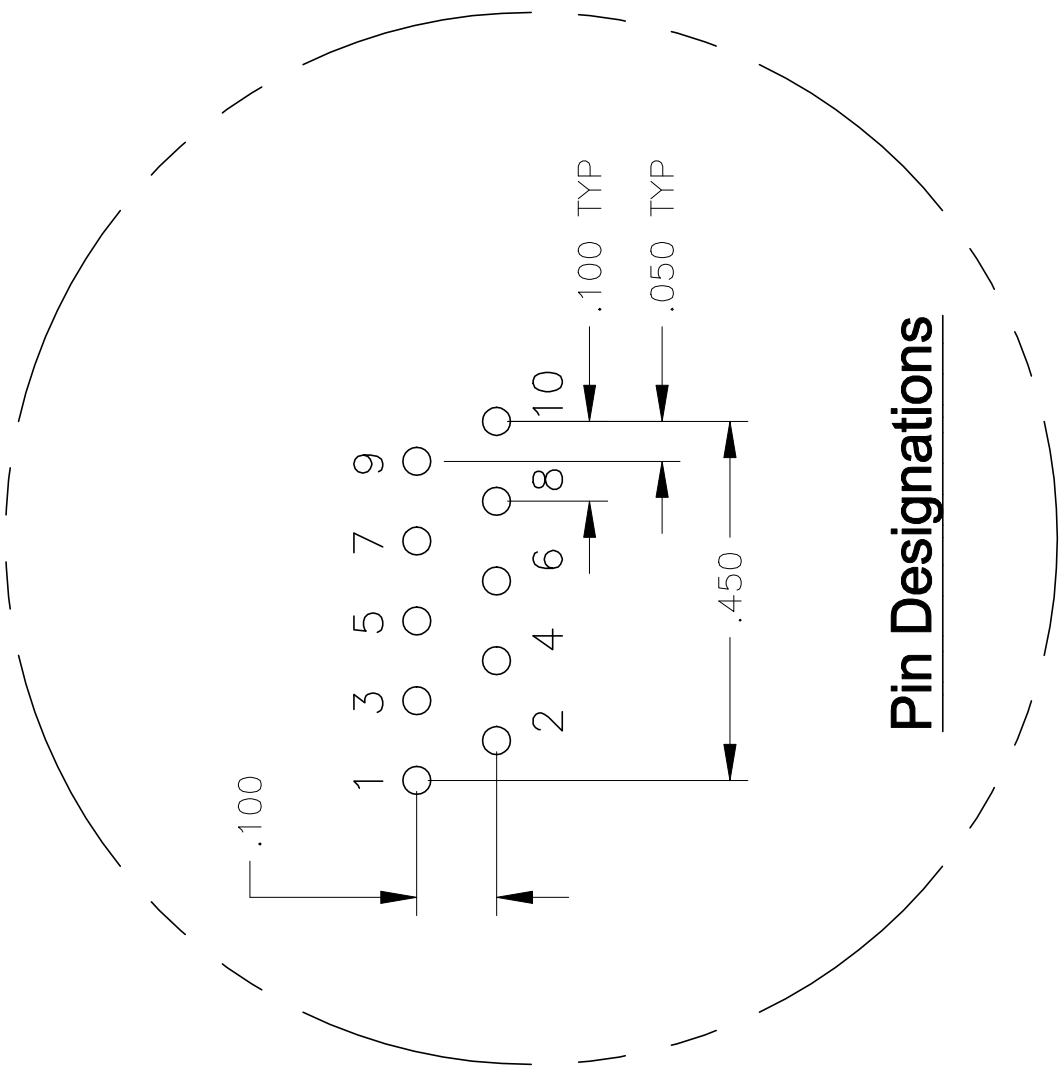
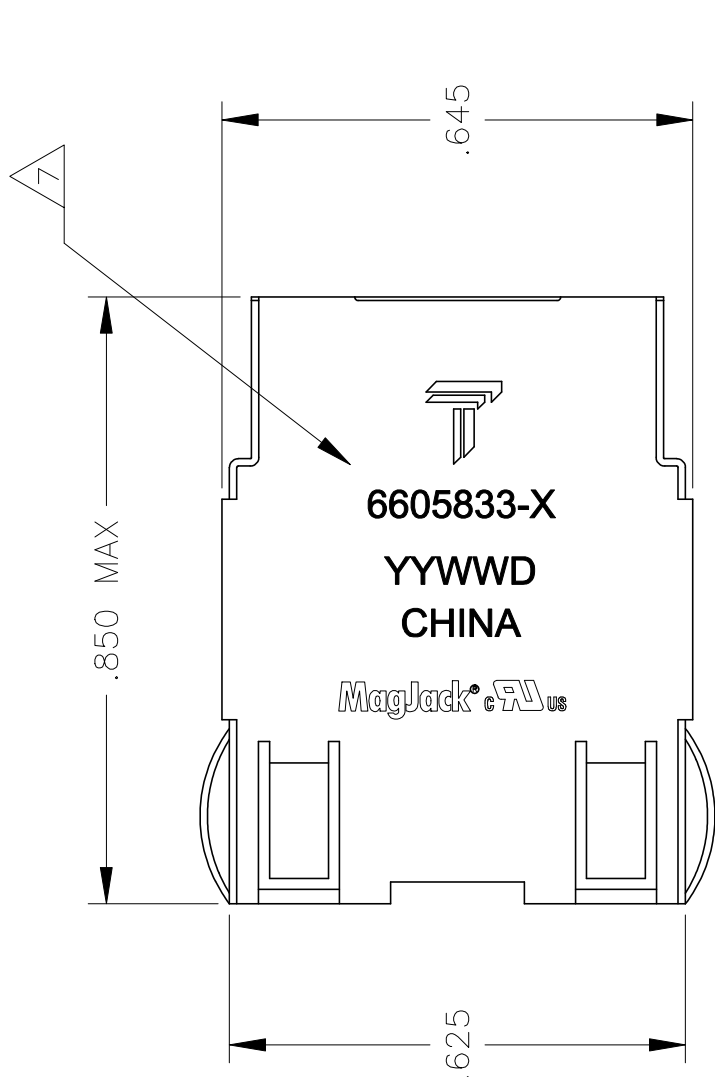


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS			
P	REV	DESCRIPTION	DATE
E	1	EC-1411035 COMPANY LOGO CHANGE	09JAN2015
			HY KZ

MECHANICAL:



Pin Designations

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 BRUNZE, 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 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

PJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.

MAGNETICS

- APPLICATION: 10/100/1000 BASE-T
 - 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): 11dB 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 TO +70°C.

THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

- LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20mA
- FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20mA
- DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20mA
- FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20mA.

IF THE LED WITH 250 OHM RESISTORS,LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.

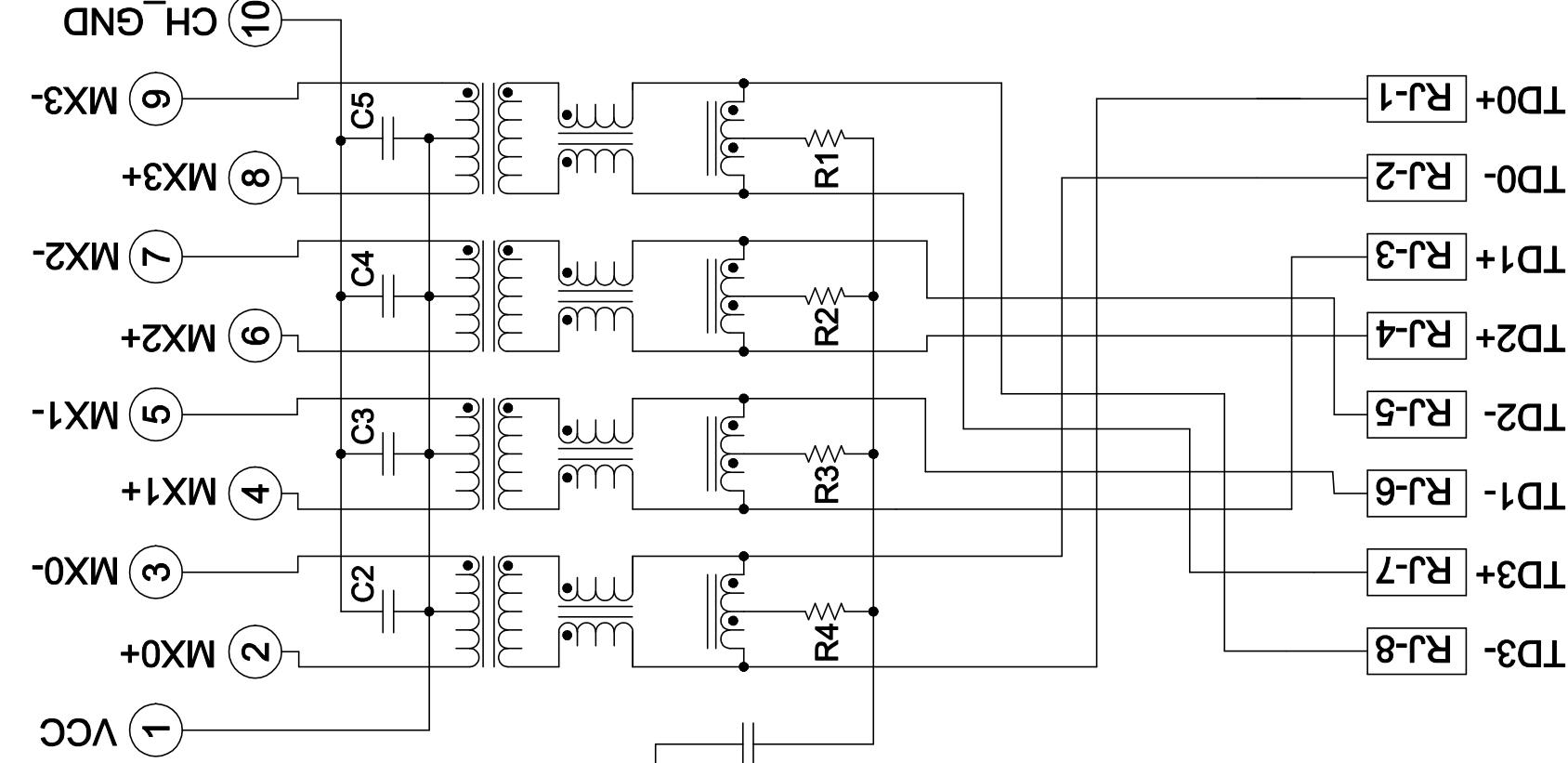
- LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ VF=5V
- FORWARD CURRENT (IF): GREEN 12 mA TYP @ VF=5V

THE MAGNETICS ARE SYMMETRIC AND SUPPORT AUTO-MD/MDIX.

TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN

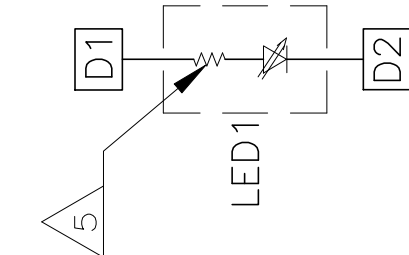
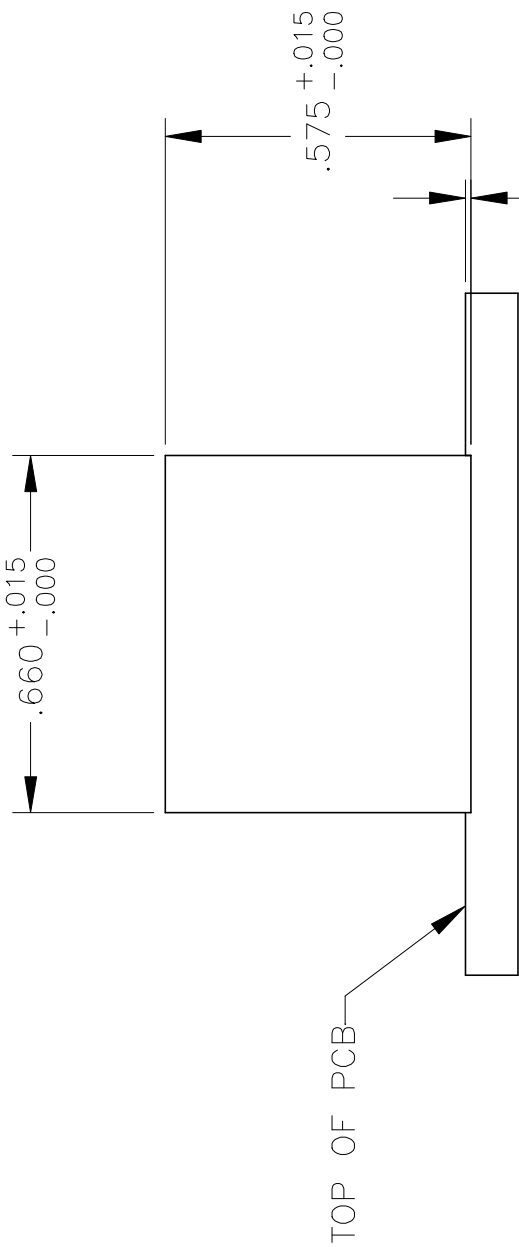
8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS.PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX,10 SECONDS MAX.

7G05P1 SERIES MAGNETIC CIRCUIT

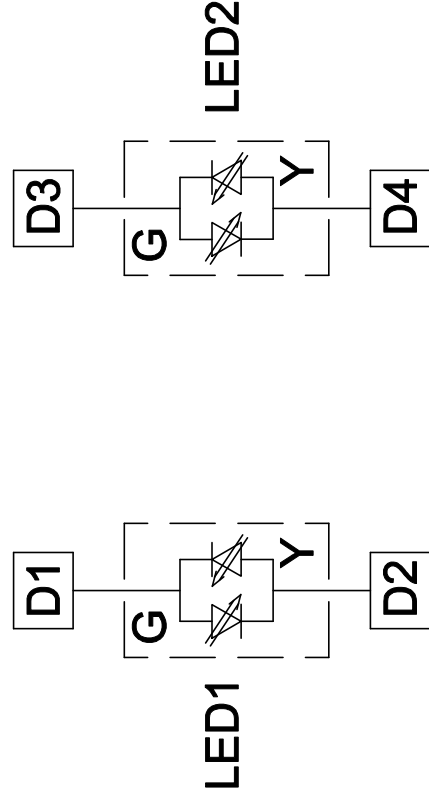
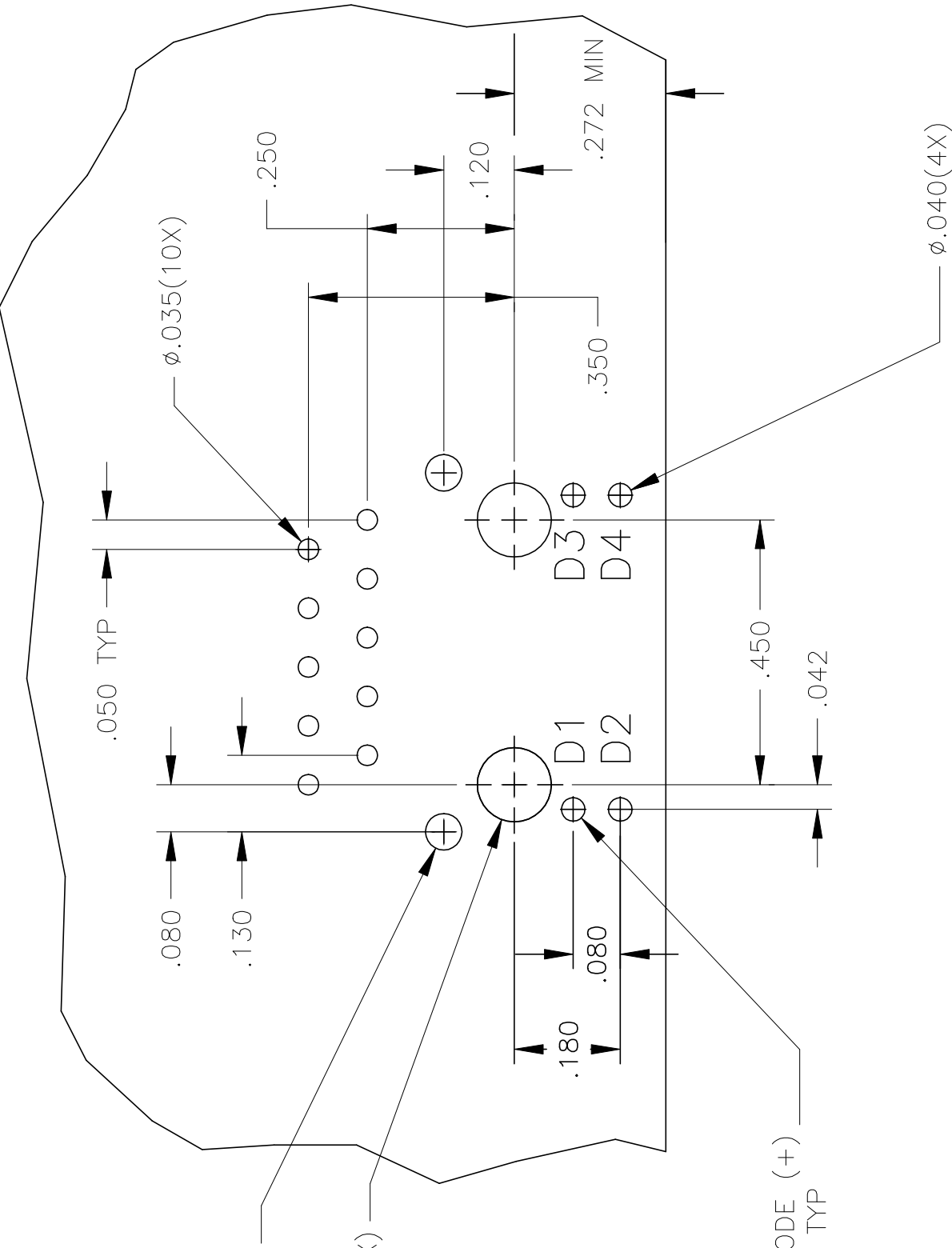


- C1=1000 pF, 2kV CAPACITOR
- R1-R4 = 75 OHMS, 1/16 W RESISTORS
- C2-C5 = 0.1uF, 50V, X7R CAPACITORS

Suggested Panel Cutout



Suggested PCB Layout
(Component Side)



LED CONFIGURATION
FOR 6605833-6 ONLY

GREEN GREEN/YELLOW	YES NO	GREEN GREEN/YELLOW	YES NO	1-6605833-1 6605833-6
LED1	250 OHMS RESISTOR	LED2	250 OHMS RESISTOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT:				trp CONNECTOR	
DIMENSIONS: INCHES	OTHERWISE SPECIFIED:	DATE	VERSION	DRAWING NO	RESTRICTED TO
		DATE	VERSION		
PRODUCT SPEC	APPLICATION SPEC	DATE	VERSION	DRAWING NO	RESTRICTED TO
		DATE	VERSION		
108-2100	-	DATE	VERSION	6605833	-
CUSTOMER DRAWING				SCALE	SHEET
				NTS	1 OF 1
				REV	E