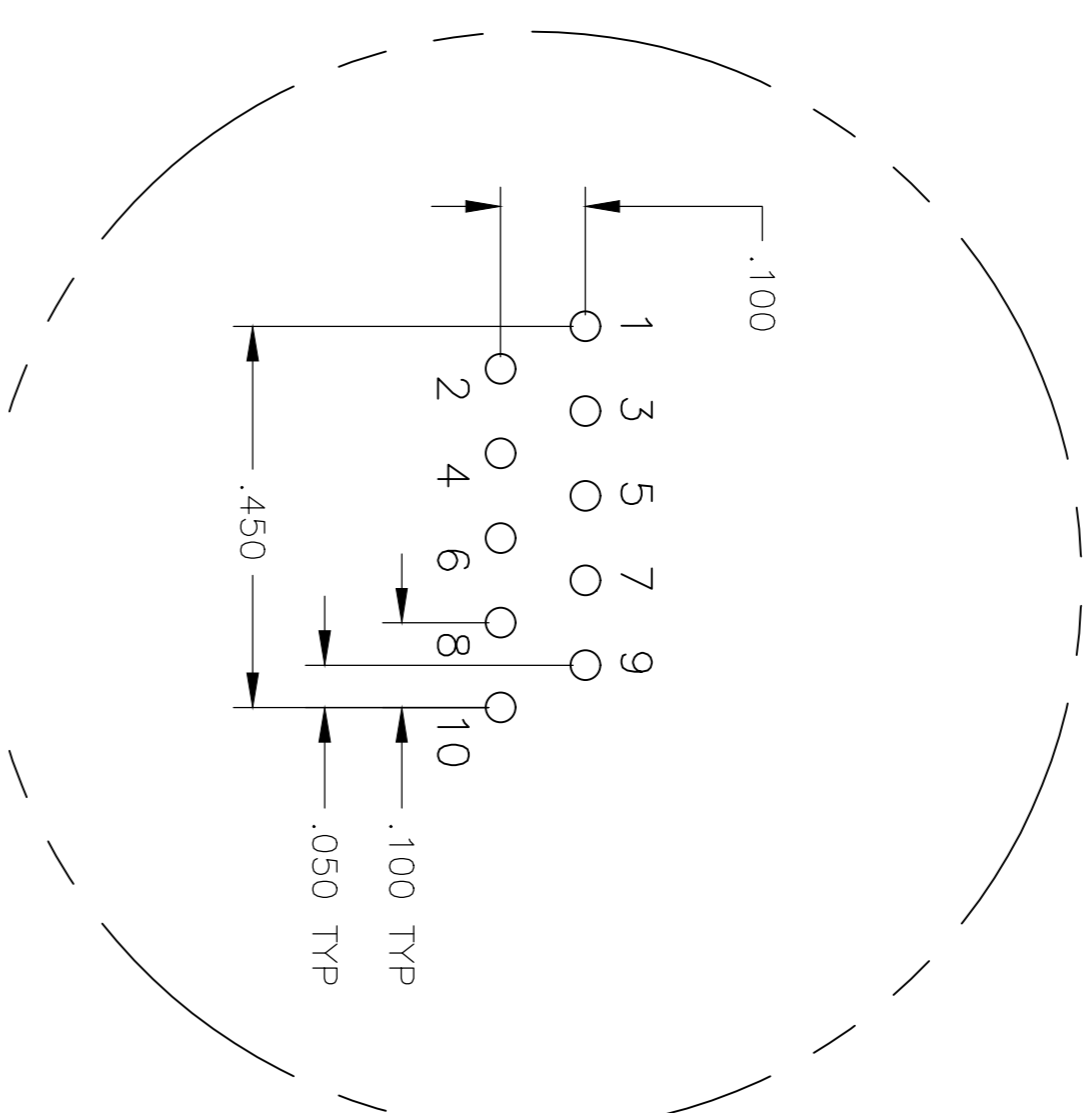
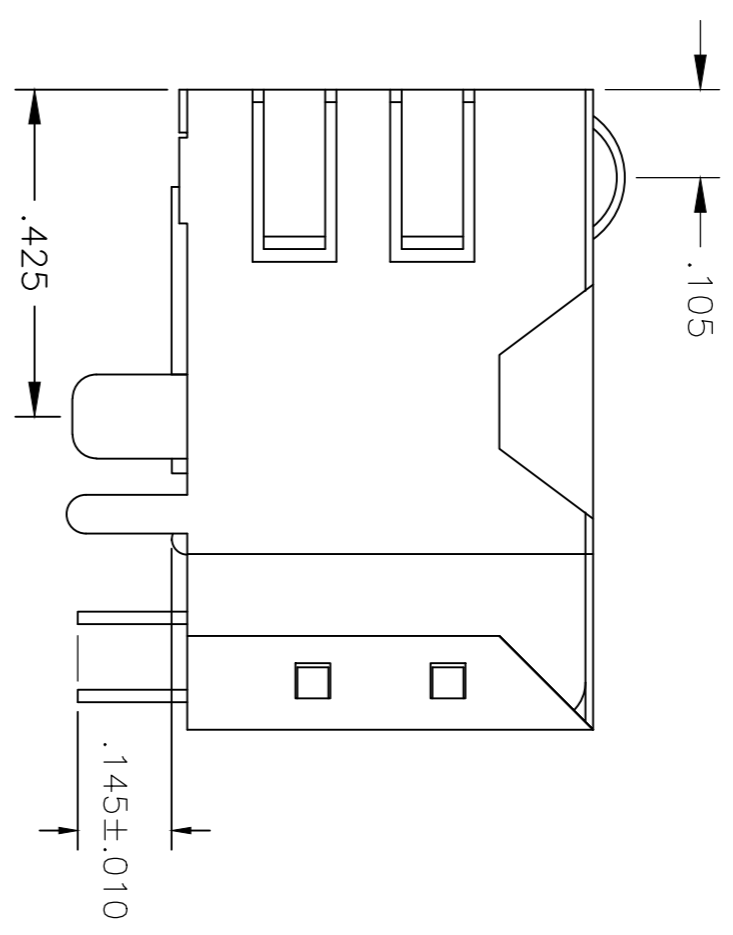
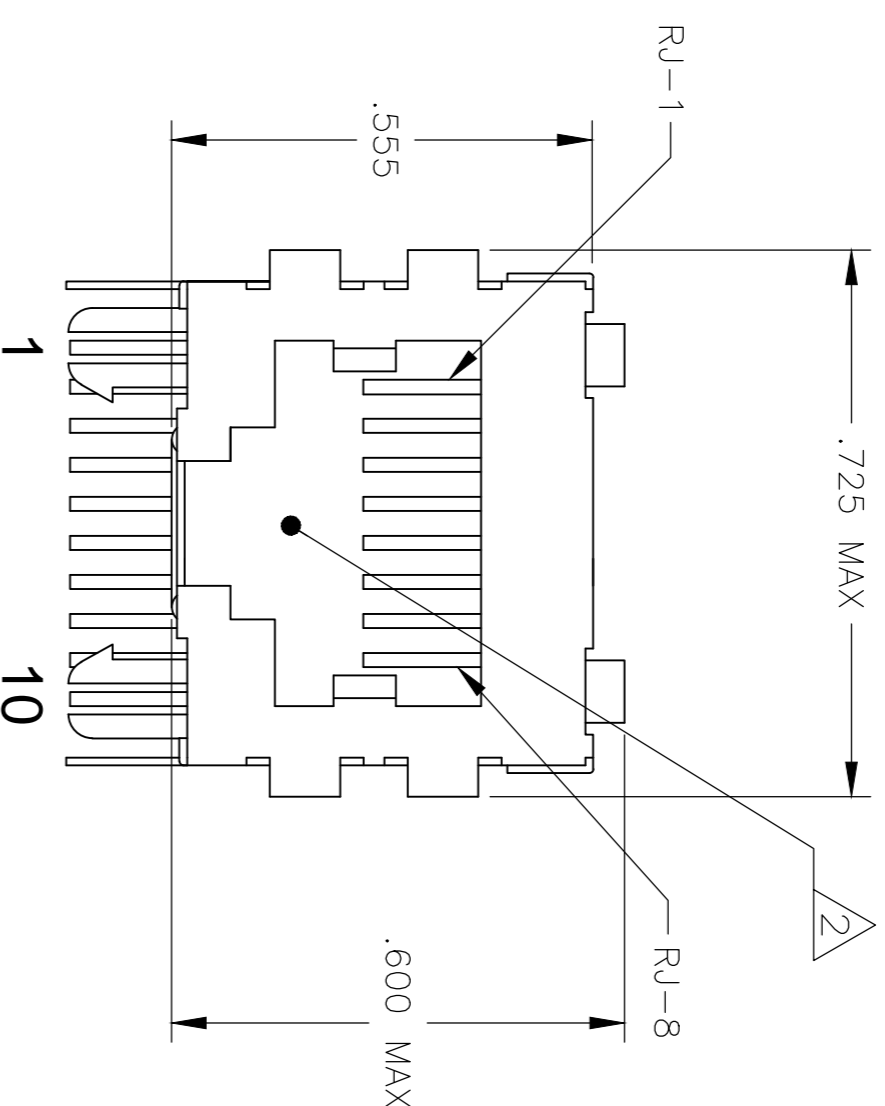
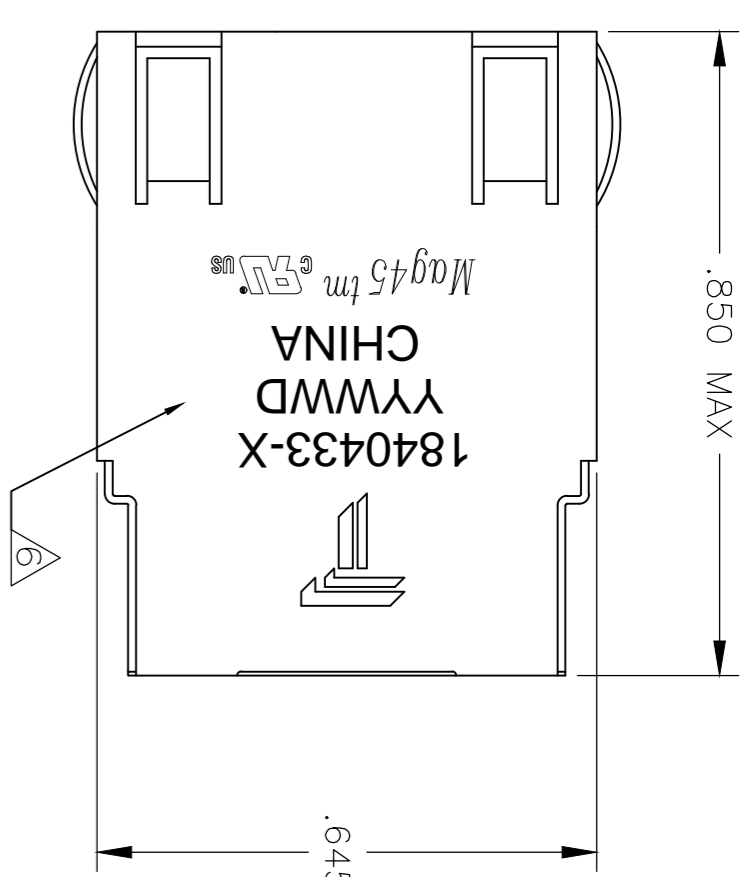


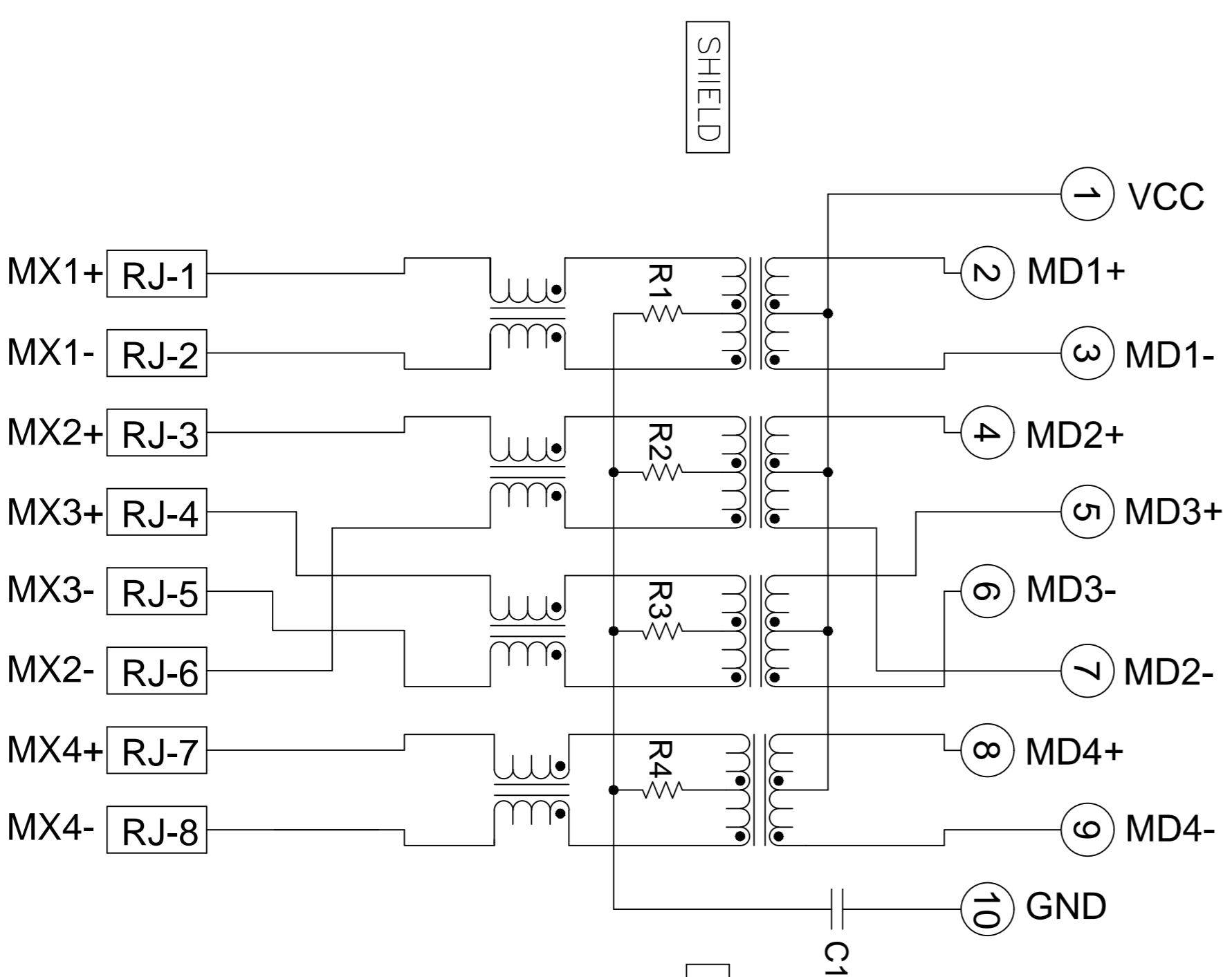
REVISIONS		DATE	BY
T	TRP		2900
C	LOGO CHANGE	07/HR2013	PP KZ

MECHANICAL:

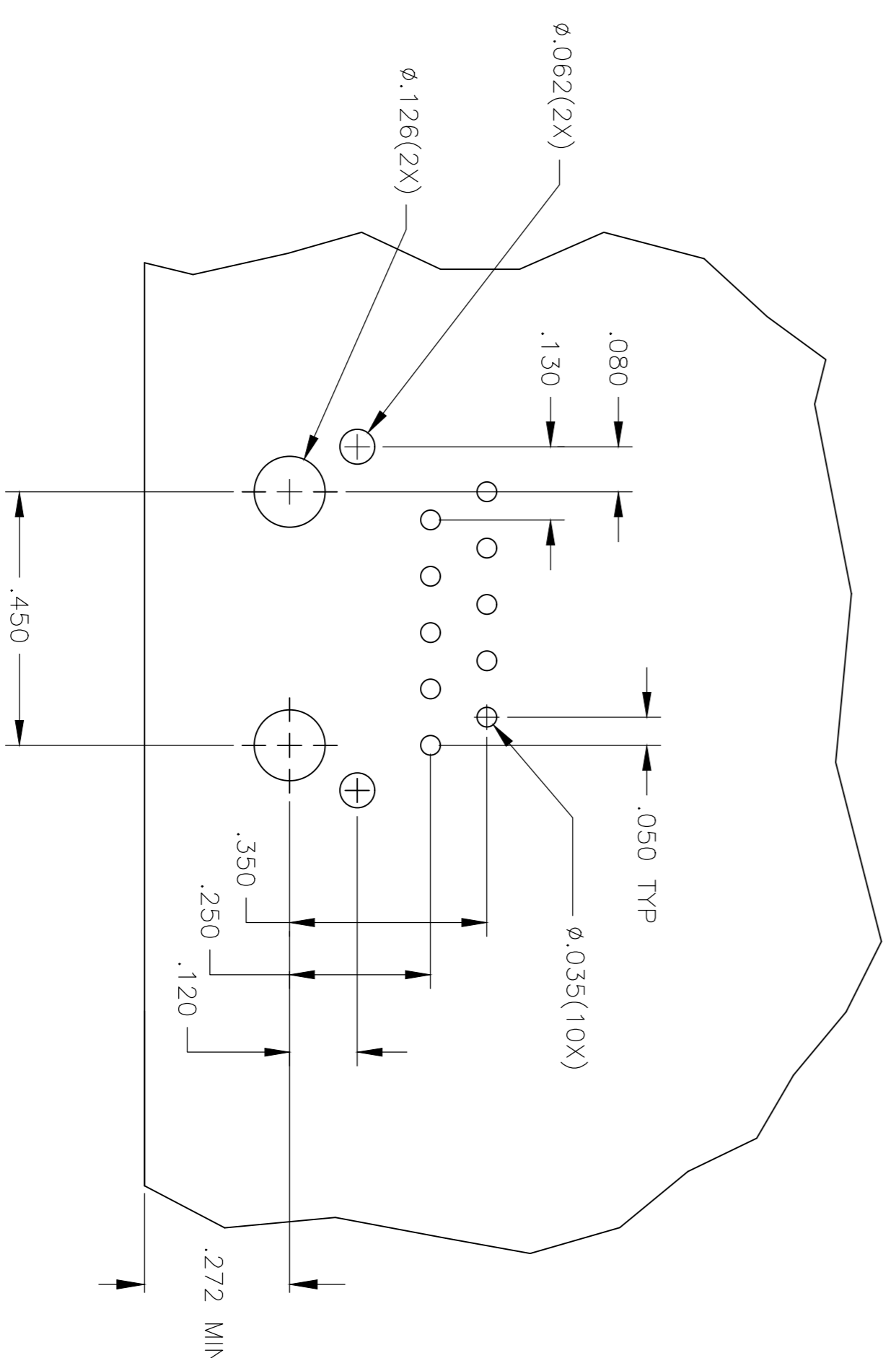


Pin Designations

4G01ET GIGABIT CIRCUIT



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



Suggested PCB Layout
(Component Side)

1 MATERIALS:

HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0. SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH 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.

2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.

3 MAGNETICS

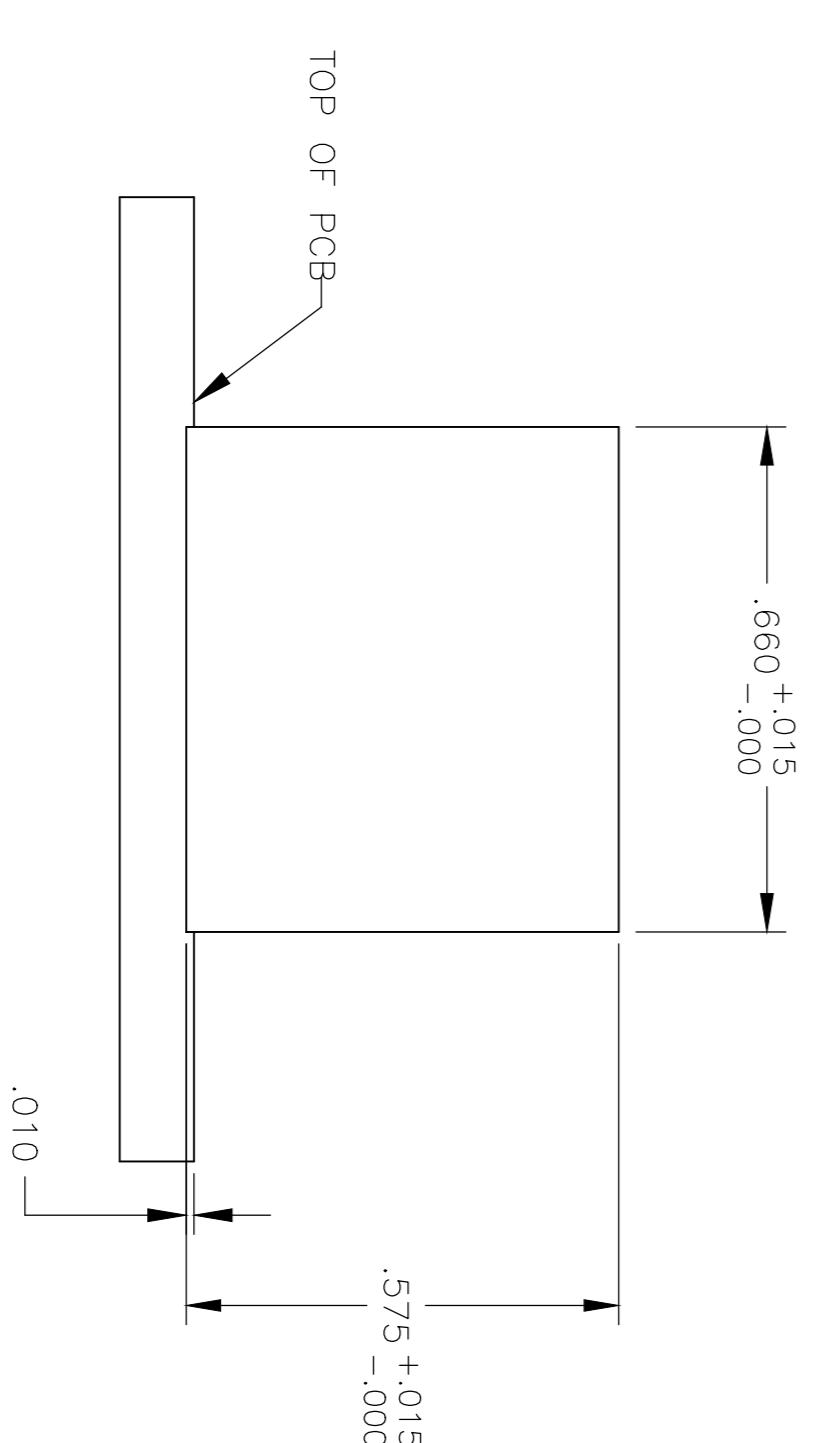
-APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMPERATURE
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP-CABLE): 1:1 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°C, ALL FOUR PAIRS
-ALL FOUR PAIRS BI-DIRECTIONAL
-PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 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
33-20LOG(f/50)dB MIN FROM 4.0.1MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM D.

4. OPERATING TEMPERATURE: FROM -40°C TO +85°C.

5 THE MAGNETICS ARE SYMMETRIC TO SUPPORT AUTO-MDI/MDIX.

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

7. THE PART IS 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.



Suggested Panel Cutout

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	QUANTITY	DATE
DRAWN BY: DENNIS CHEN (10/HR2007)		001	1000	10/2007
CHECKED BY: TEDDY XIONG (10/HR2007)		002	1000	10/2007
DESIGNED BY: DENNIS CHEN (10/HR2007)		003	1000	10/2007
APPROVED BY: DENNIS CHEN (10/HR2007)		004	1000	10/2007
MATERIAL: 1X1 MAG45(TN), MODULAR JACK, 4G01ET GIGABIT CIRCUIT, SHIELD/DNO LEADS		005	1000	10/2007
DIMENSIONS: INCHES		006	1000	10/2007
TOLERANCES UNLESS OTHERWISE SPECIFIED:		007	1000	10/2007
DIMENSIONS: INCHES		008	1000	10/2007
DIMENSIONS: MILLIMETERS		009	1000	10/2007
DIMENSIONS: MILLIMETERS		010	1000	10/2007
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1840433-1
PART NUMBER

TRP connector
Dongguan China

1840433-1
PART NUMBER

TRP connector
Dongguan China