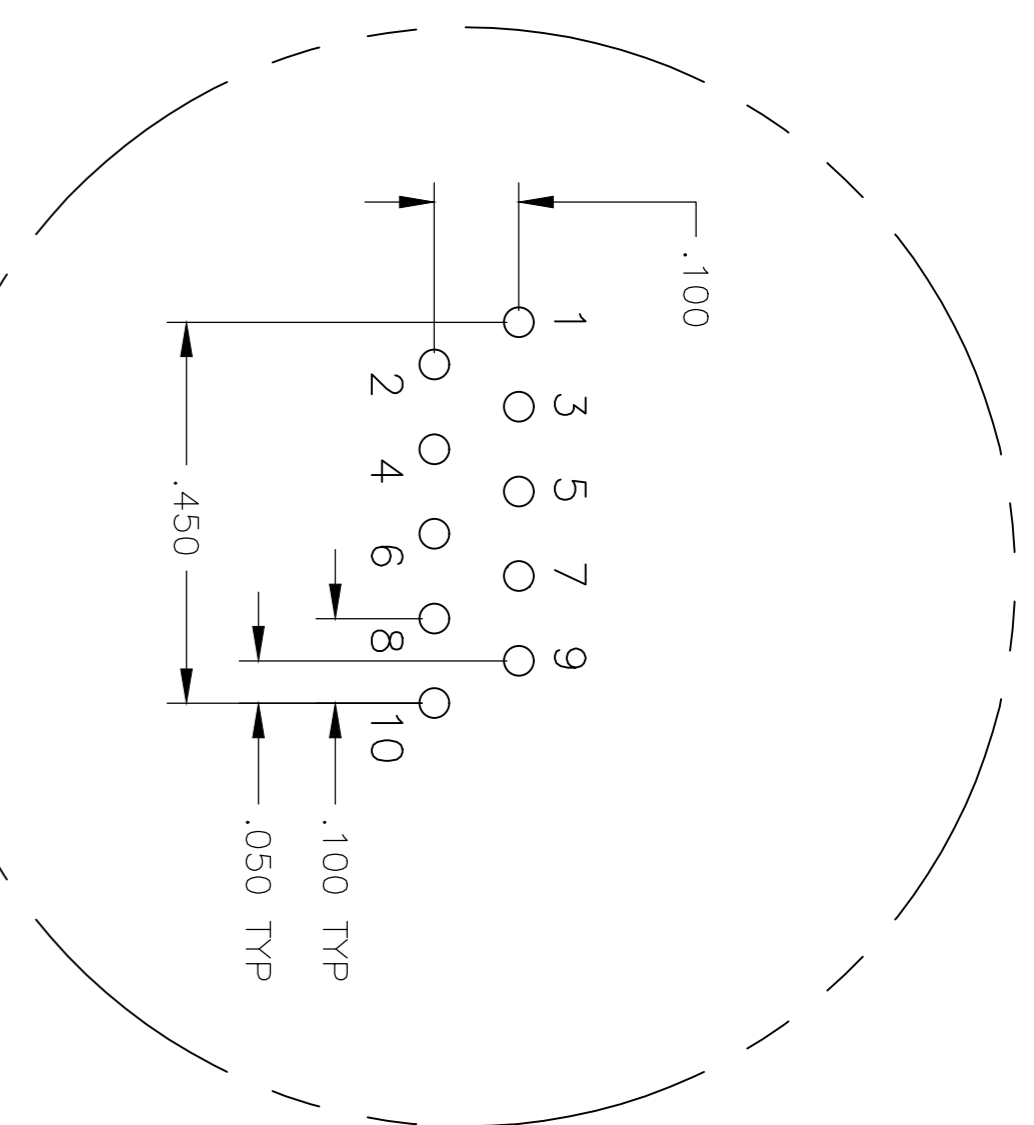
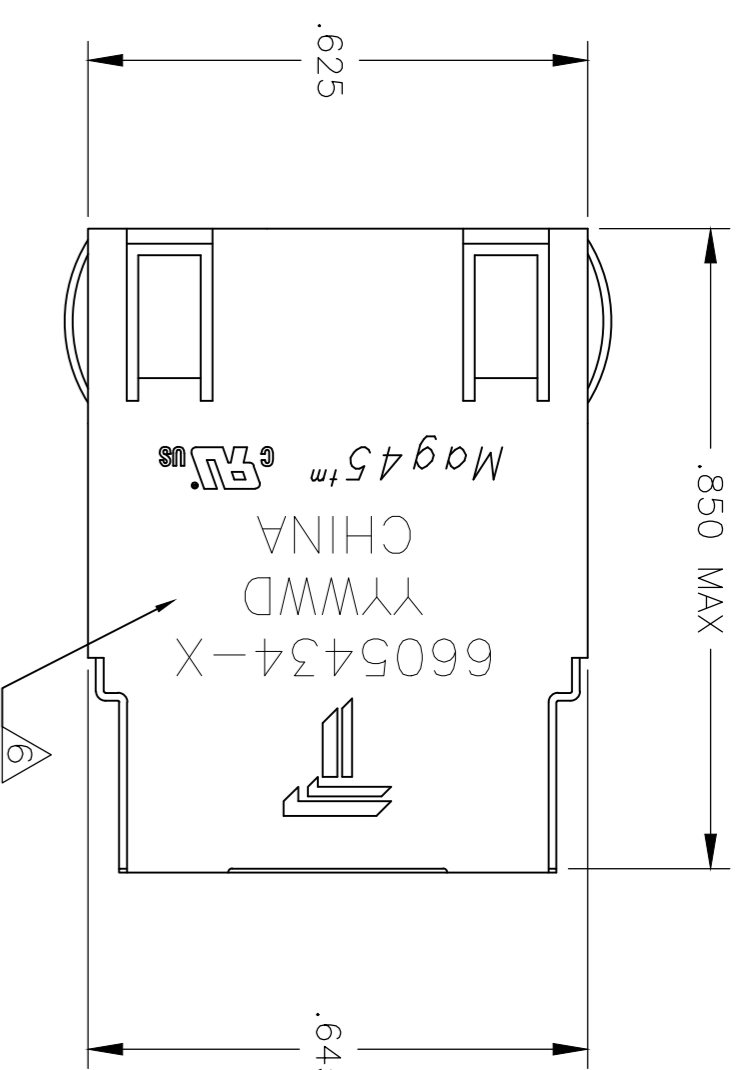
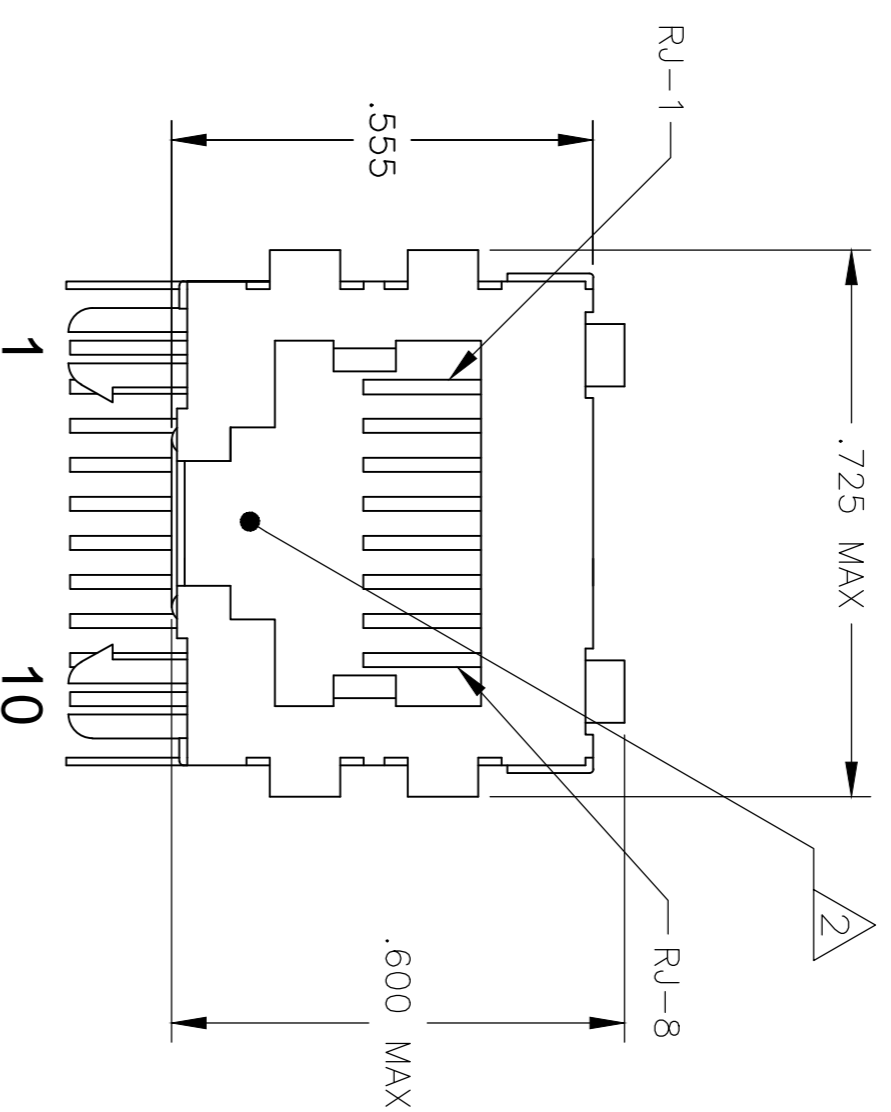


REVISIONS		DATE	BY
REV	DESCRIPTION		
07/HR2013	PP		KZ
D	LOGO CHANGE		

MECHANICAL:



Pin Designations

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 TABS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.

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

△ MAGNETICS

-IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHP-CABLE): 1:1 ALL FOUR PAIRS
 -OPEN CIRCUIT INDUCTANCE (OCL): 350pH 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 4.0MHz
 12-20LOG(f/80)dB MIN FROM 4.0 1MHz TO 100MHz
 CROSS-TALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4.0MHz
 33-20*LOG(f/50)dB MIN FROM 4.0 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.

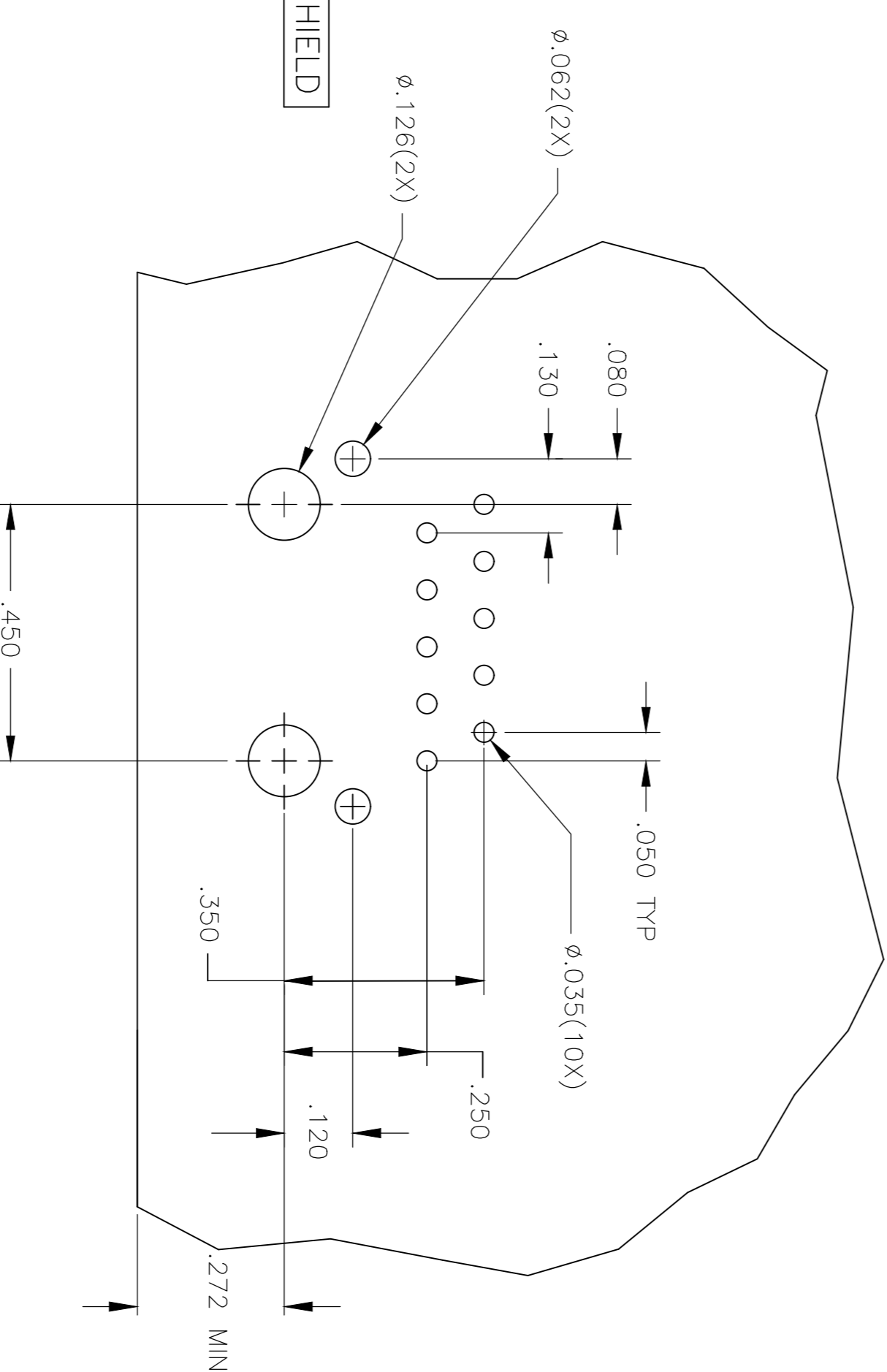
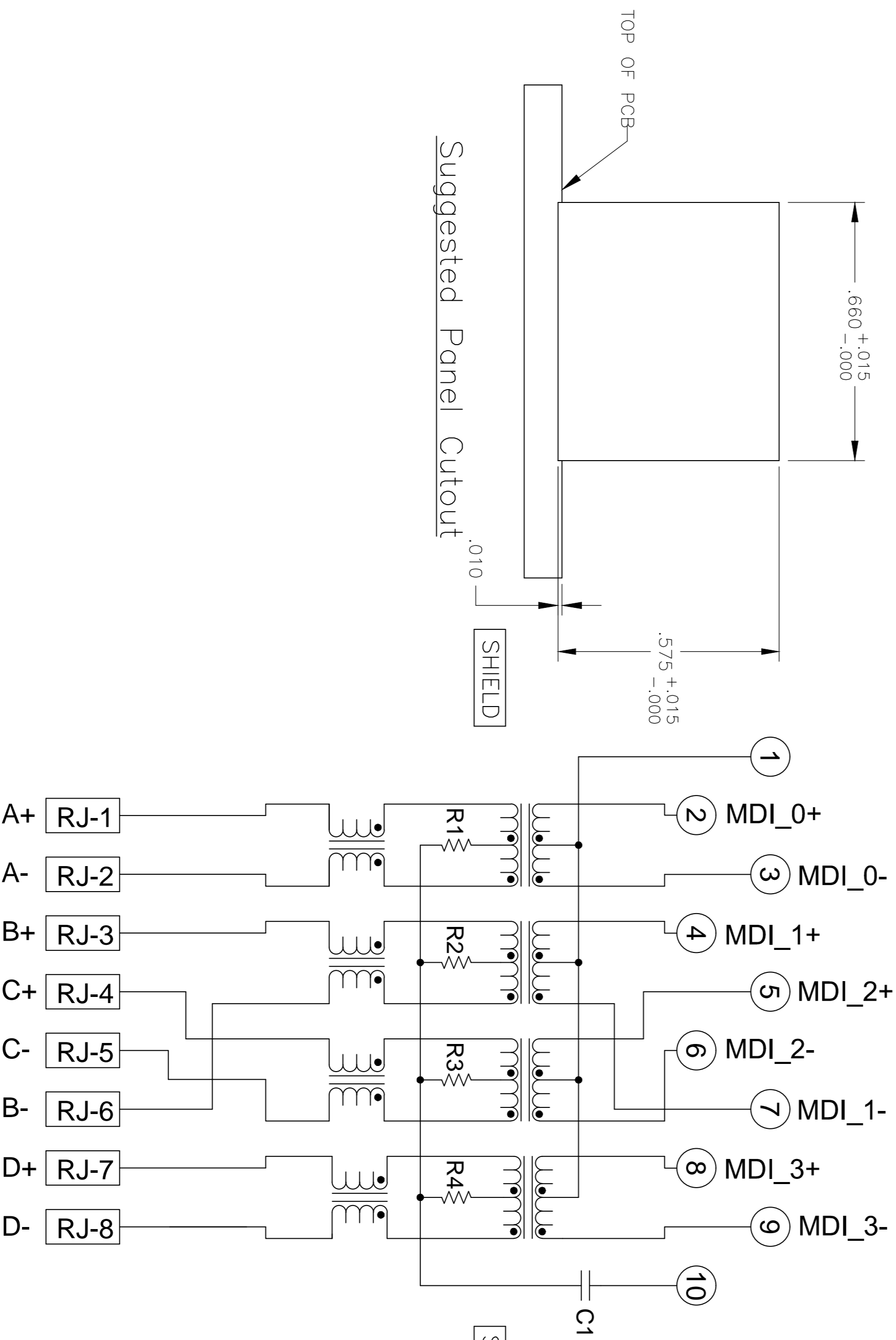
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

△ THE MAGNETICS ARE SYMMETRIC TO SUPPORT AUTO-MD/MDIX.

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

4G01 GIGABIT MAGNETIC CIRCUIT



Suggested PCB Layout (Component Side)

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV. ATTADA - DOCKERS	DATE
DIMENSIONS:		REV. D, FAROLE	07/HR2013
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	996
INCHES		108-2100	2960
0 R/C	± .010	APPLICATION SPEC	
1 R/C	± .005	SIZE	
2 R/C	± .005	CODE	
3 R/C	± .005	DRAWING NO	
4 R/C	± .005	TRP connector	
FINISH		Dongguan China	
MATERIAL		YES	
		ZKV DECOUPLING CAPACITOR	
		PART NUMBER	
		6605434-1	
		TRP connector	
		Dongguan China	
		SCALE	
		NTS	
		SHEET	
		1	
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