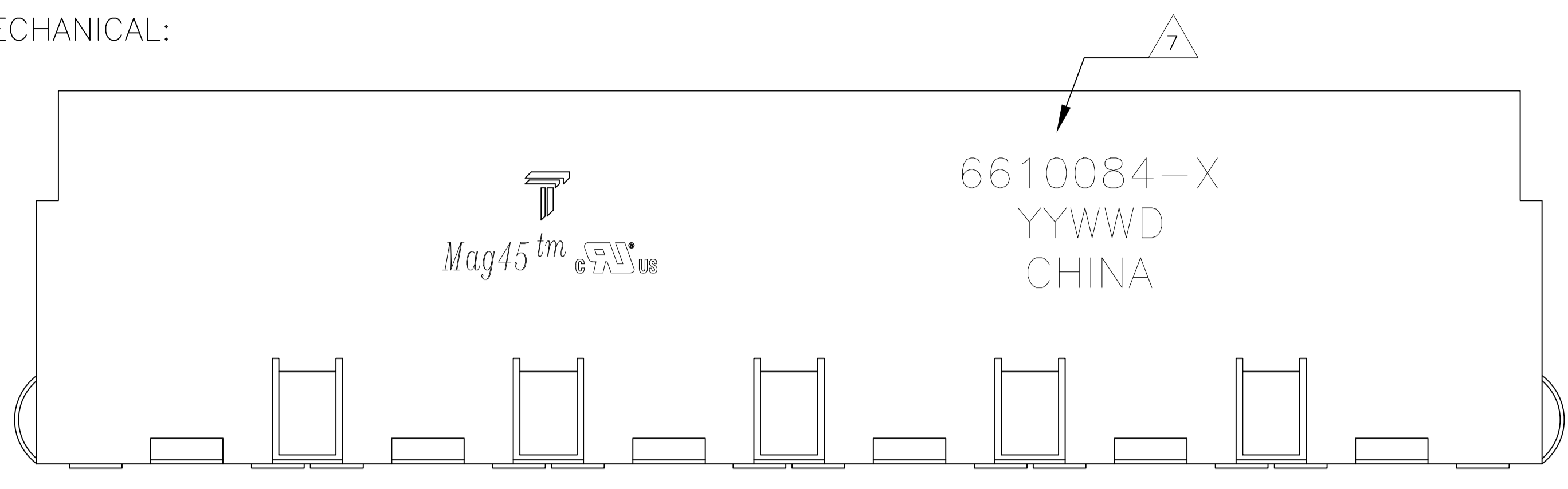
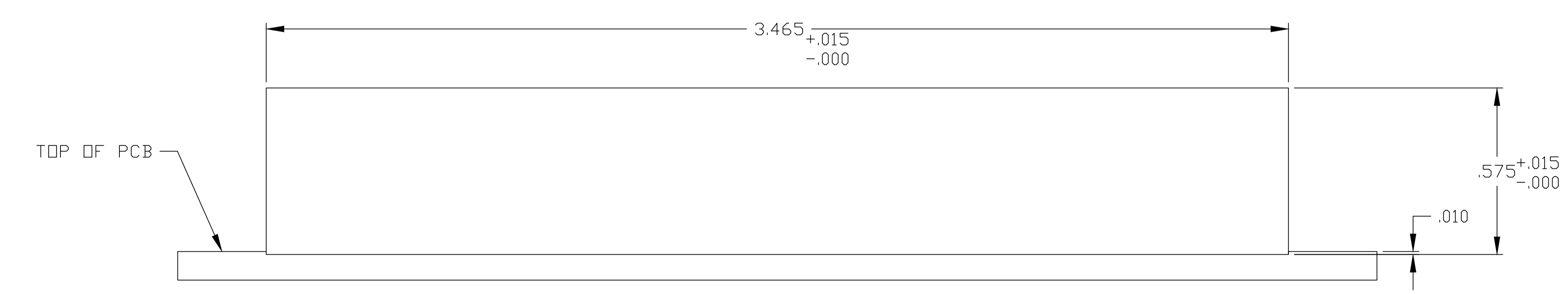
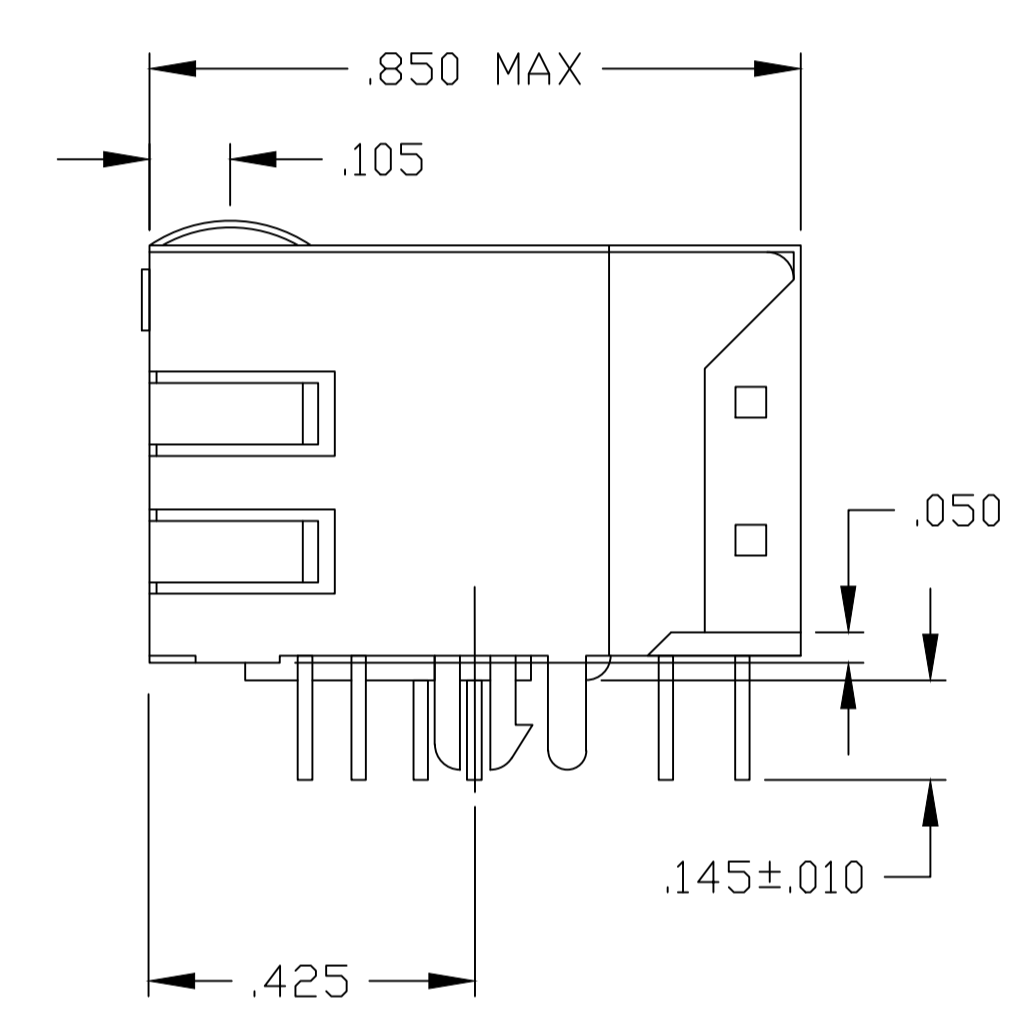
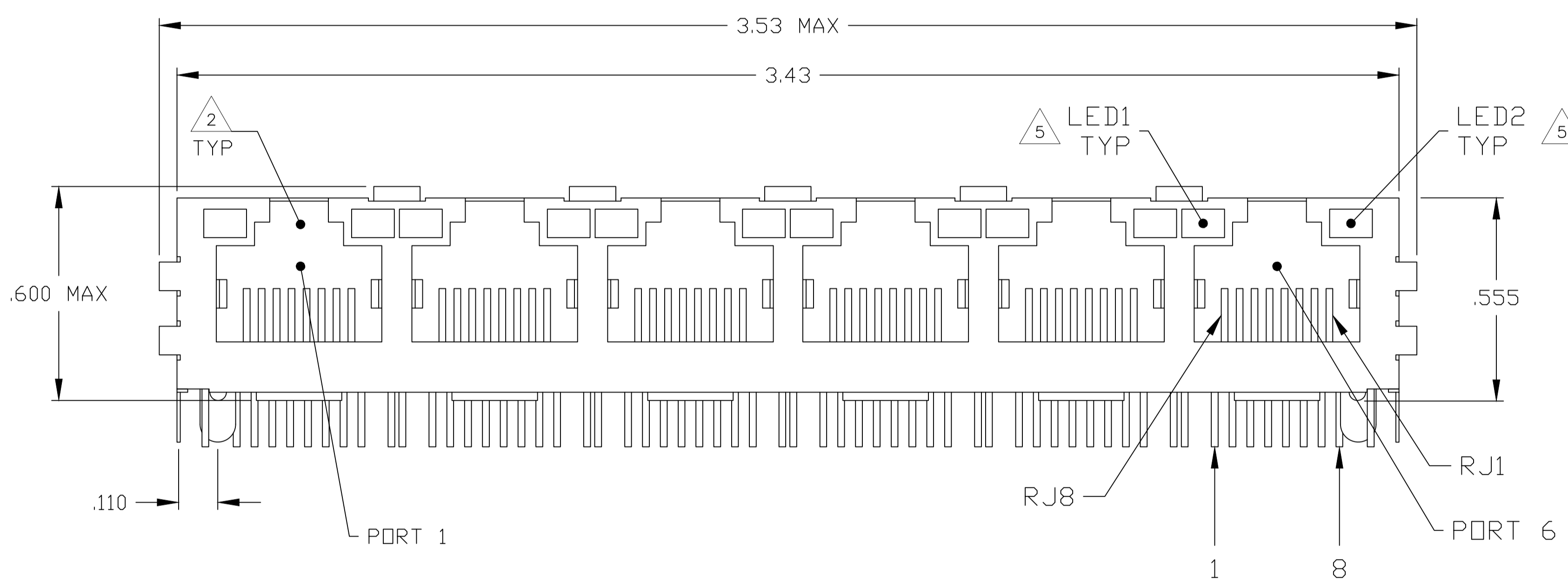


REVISIONS				
#	LTR	DESCRIPTION	DATE	OWN APVD
F		LOGO CHANGE	07APR2013	QL KZ

MECHANICAL:



- 1 MATERIALS:  
 -HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0  
 -SHIELD - 0.010" 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, 0.020" X 0.020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE, POST-PLATED WITH 100μIN MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3 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 0°C TO 70°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 AND WITH ALL PORTS CONNECTED.
- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 5 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 (LD): GREEN 568 nm TYP. at IF=20mA  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA  
 DOMINANT WAVELENGTH (LD): YELLOW 588 nm TYP. at IF=20mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at 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 (LD): GREEN 568 nm TYP. At VF=5V  
 FORWARD CURRENT (IF): GREEN 12 mA TYP. at VF=5V  
 DOMINANT WAVELENGTH (LD): YELLOW 588 nm TYP. At VF=5V  
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. at VF=5V
- 6 INDICATED CONNECTIONS ARE FOR A HUB CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL AND DO NOT SUPPORT AUTO-MDIX.
- 7 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.
- 9 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



1X6 SUGGESTED PANEL CUTOUT

	YES	GREEN	YELLOW	5-6610084-1
9 OBSOLETE	NO	GREEN	GREEN	1-6610084-1
	2KV DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± .	1 PLC ± .	2 PLC ± .010	3 PLC ± .005	4 PLC ± .	ANGLES ± .	FINISH 1
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MATERIAL	1	FINISH	1
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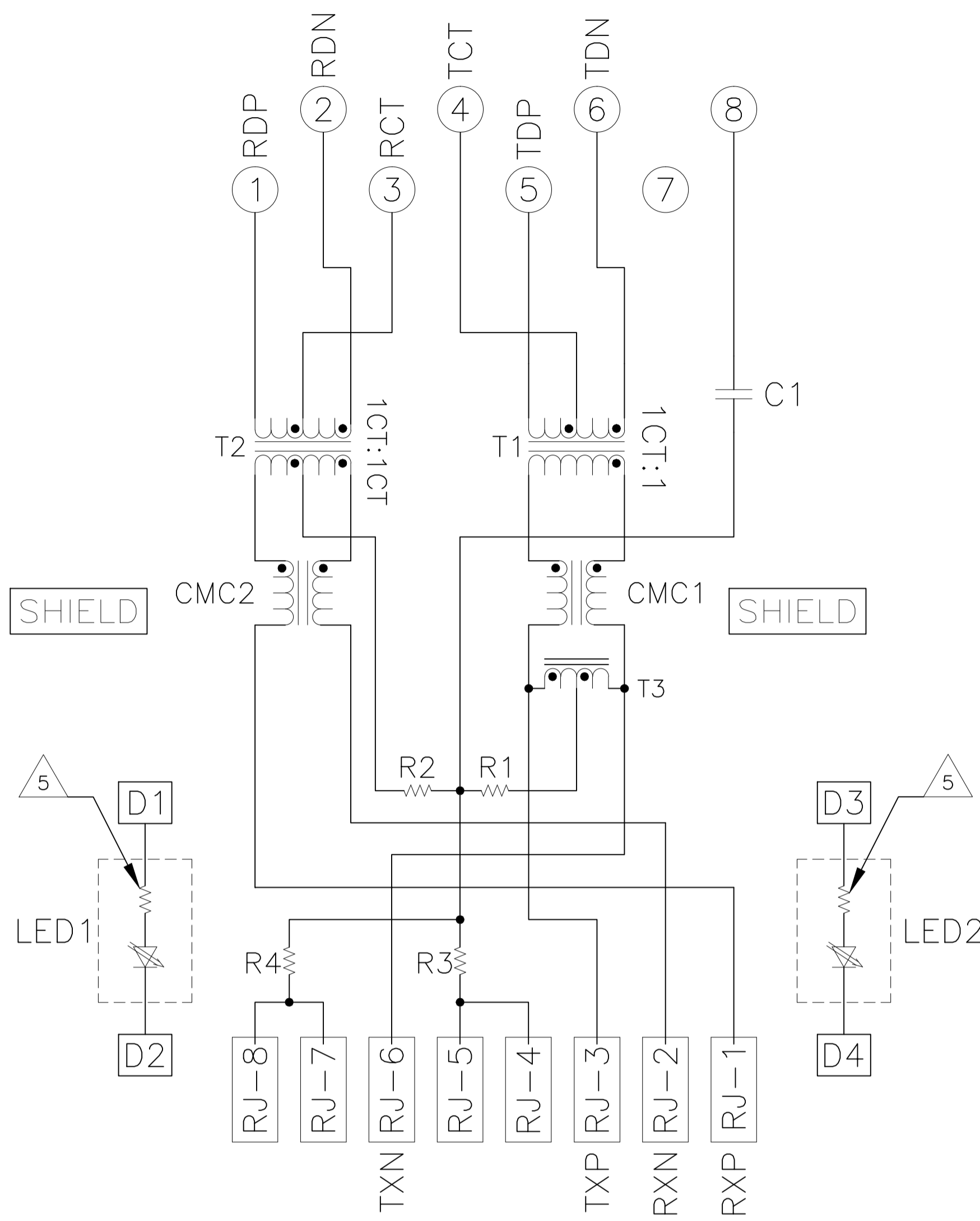
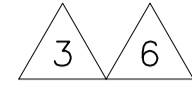
OWN	L. VARELA - DOCKS	17MAR2005
CHK	D. FAROLE	17MAR2005
APVD	D. FAROLE	17MAR2005
PRODUCT SPEC	108-2100	
APPLICATION SPEC		
SIZE	A1	
WEIGHT		
CUSTOMER DRAWING		

TRP connector  
Dongguan China

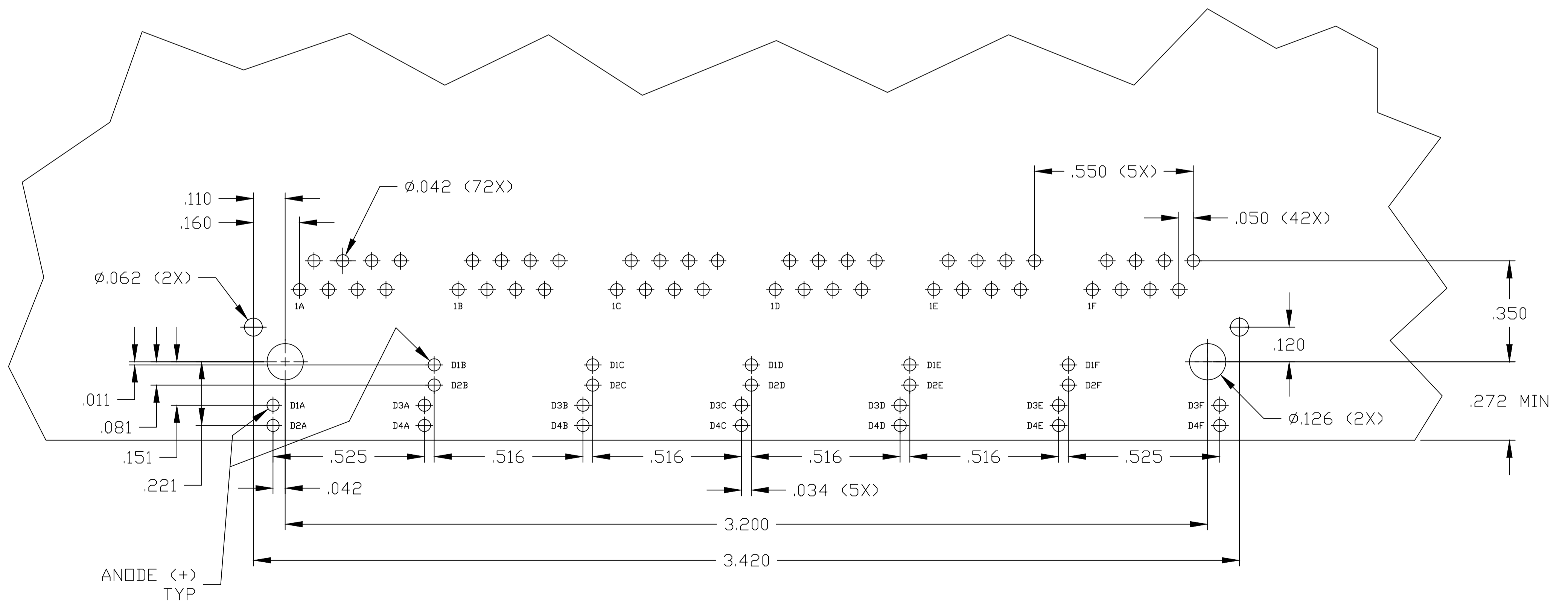
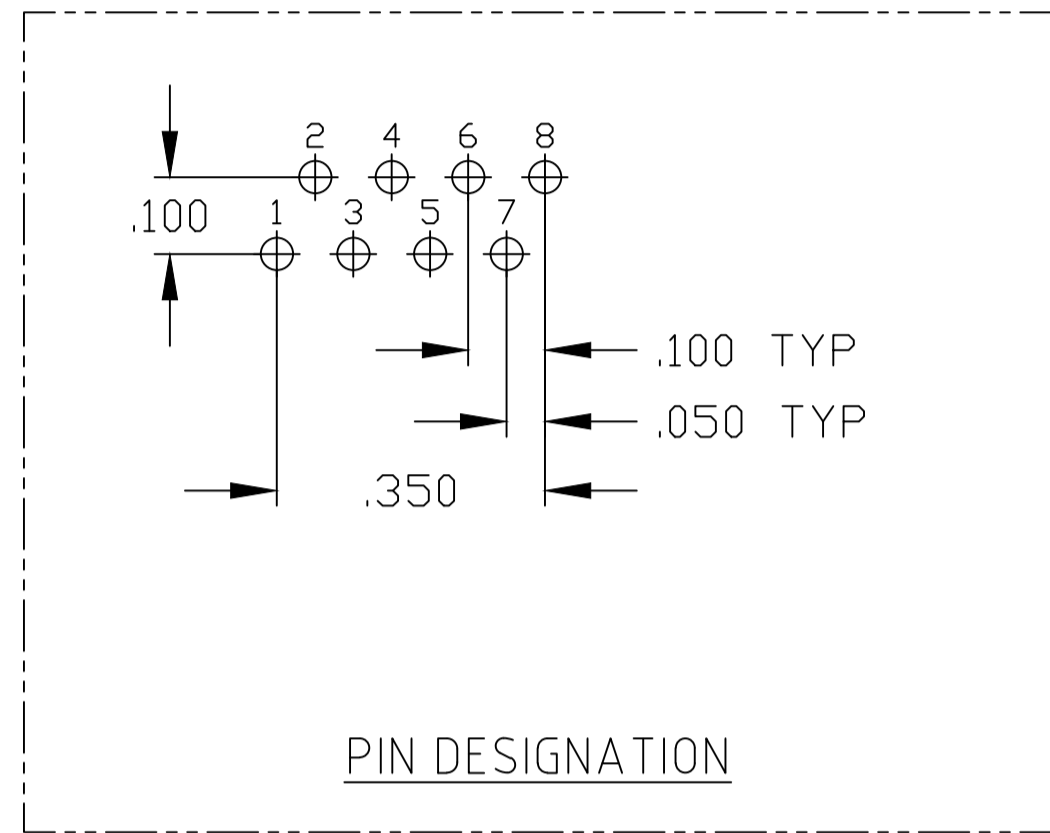
NAM X6 MAG45(TM) MODULAR JACK, 7H5 SCHEMATIC, 54 SERIES CIRCUIT, OPTIONAL DECOUPLING CAPACITOR, SHIELDED, WITH RESISTOR LEDS

SCALE 4:1 SHEET 1 OF 2 REV F

754 SERIES MAGNETIC CIRCUIT



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



SUGGESTED PCB LAYOUT  
 (Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN L. VARELA - DOCKS 17MAR2005	TRP connector Dongguan China
DIMENSIONS: INCHES		CHK D. FAROLE 17MAR2005	APPROV D. FAROLE 17MAR2005
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100	
0 PLC ± .010		APPLICATION SPEC	
1 PLC ± .005		SIZE A1	
2 PLC ± .005		CAGE CODE 00779	
3 PLC ± .005		DRAWING NO 6610084	
4 PLC ± .005		SCALE 4:1	
ANGLES ± .005		SHEET 2 OF 2	
FINISH		REV F	
MATERIAL		CUSTOMER DRAWING	