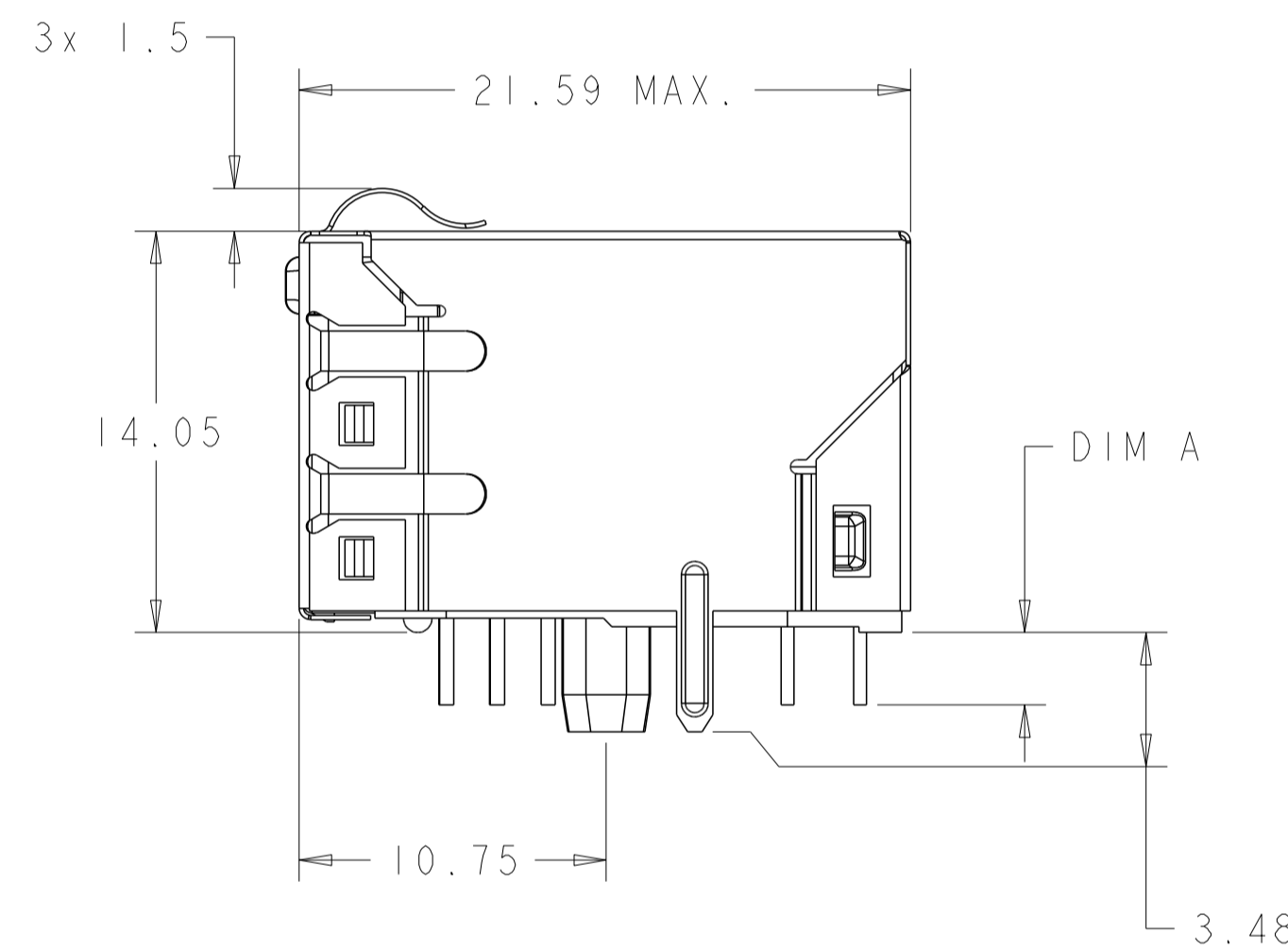
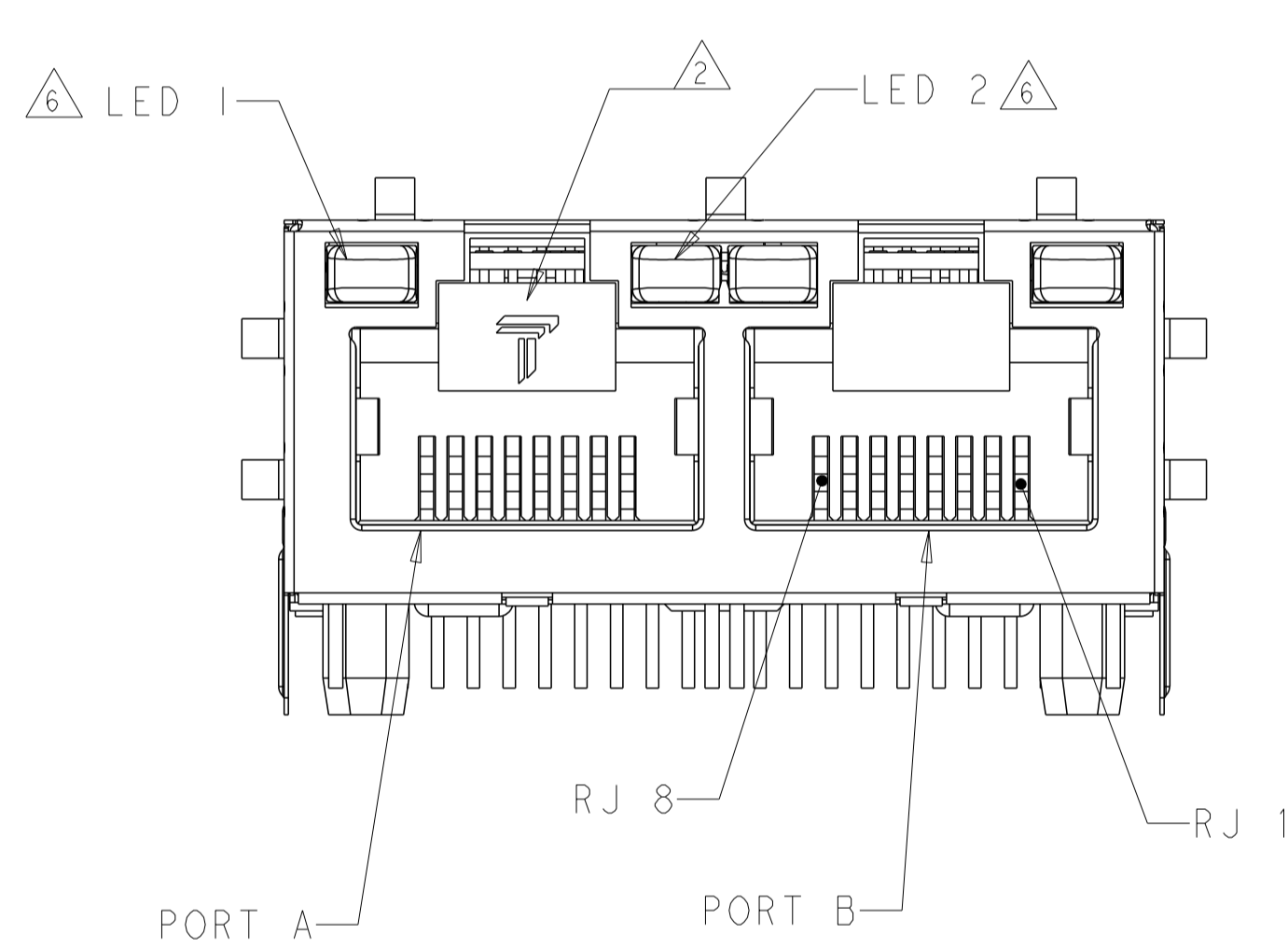
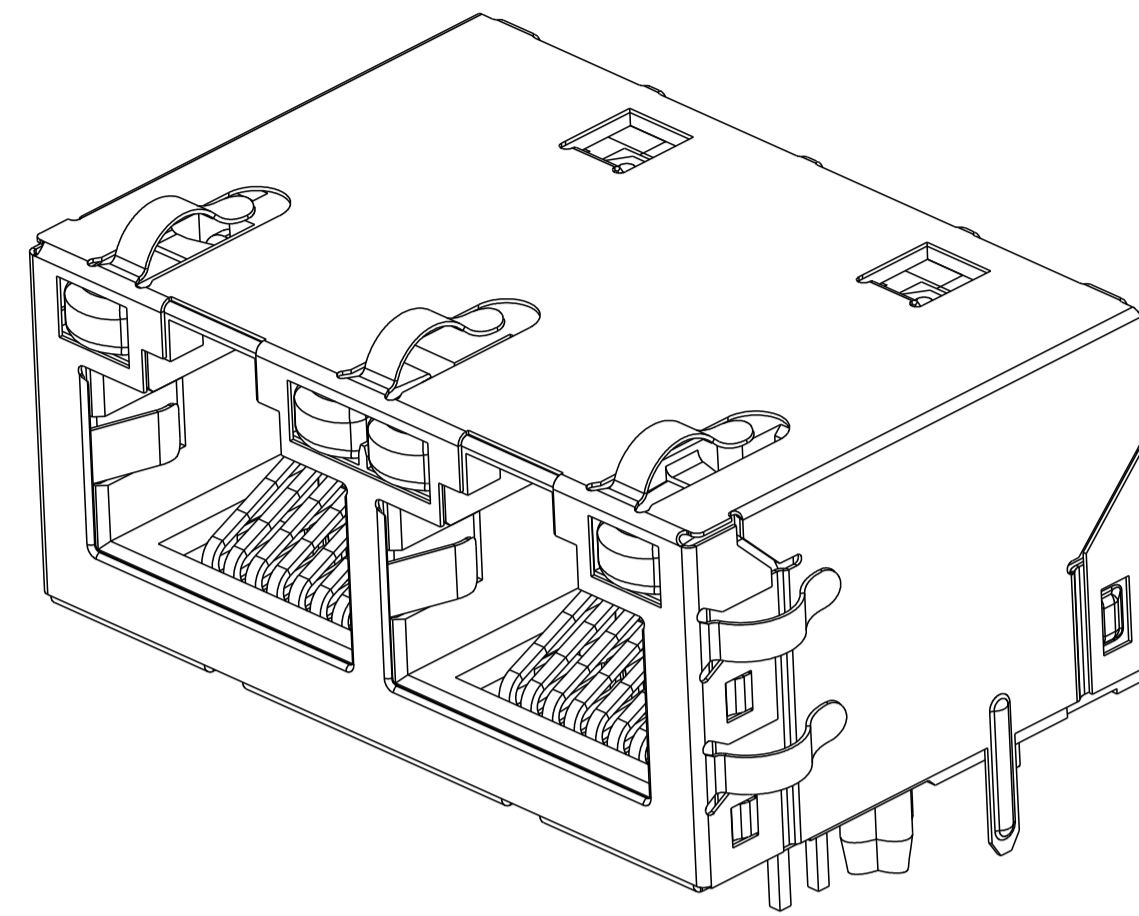
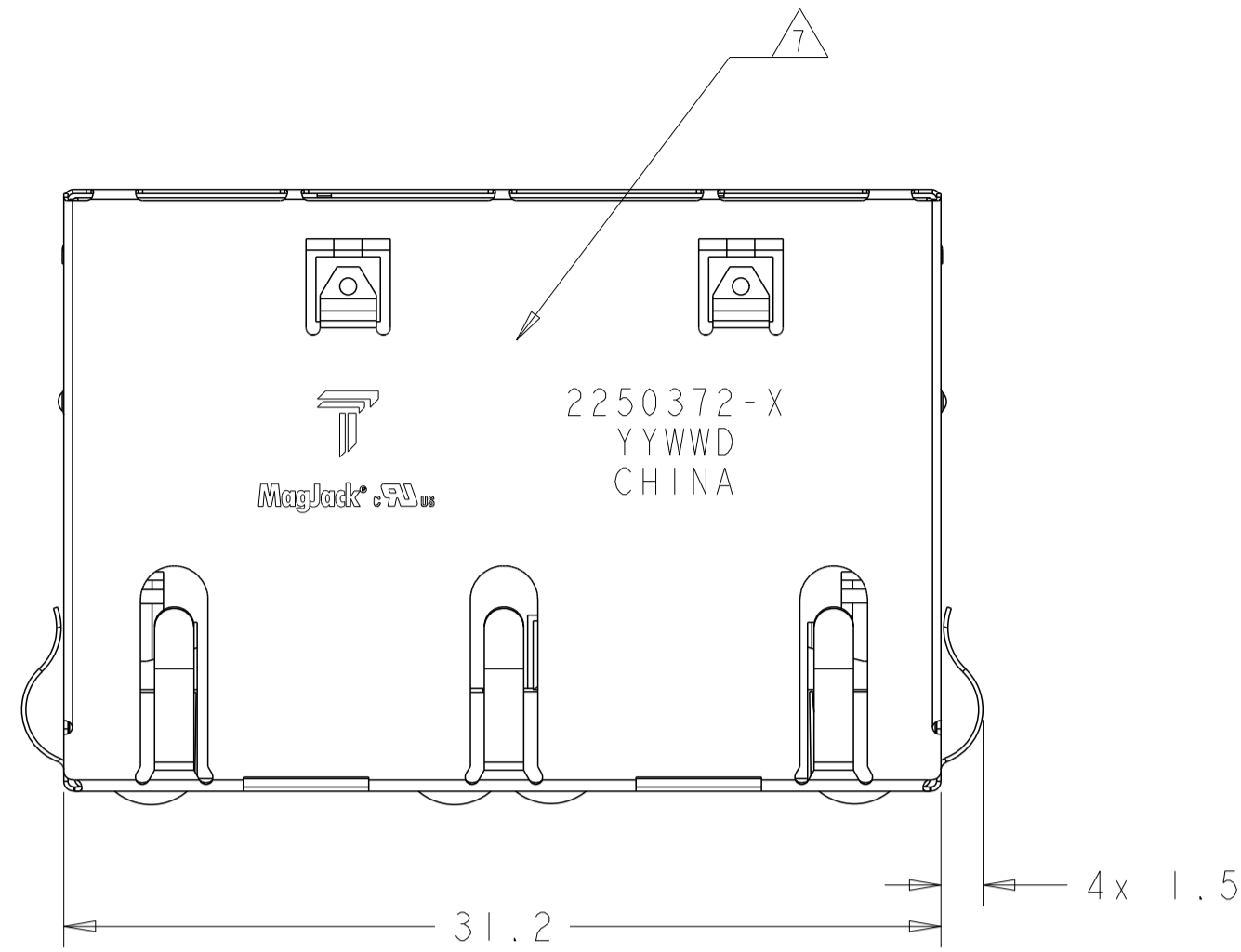


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LTN	DESCRIPTION	DATE	APPV
A	EC-1710013		17OCT2017	TRY TY
C	EC-2103010		11MAR2021	TRY TY



1. MATERIALS

- HOUSING: THERMOPLASTIC, FLAMMABILITY RATING UL 94V-0.
- SHIELD: STAINLESS STEEL 0.15mm THICK, PREPLATED WITH 0.76 um MIN SEMI-BRIGHT NICKEL; SOLDER TABS POST PREPLATED WITH 3um TIN.
- CONTACTS: PHOSPHOR BRONZE 0.46mm X 0.30mm, PHOSPHOR BRONZE, 1.27um MIN NICKEL UNDERPLATE, WITH 1.27um MIN GOLD PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS,
- LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN. SILVER PLATE OVER 1.02um MIN. NICKEL OVER 1.02um MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05um 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

- 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): 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
 - 33-20LOG(f/50)dB MIN. FROM 40.1MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN. FROM 0.5MHz TO 100MHz
- ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC

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

5 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

6 THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OF LED RESISTORS

- IF LEDS WITHOUT 250 OHM RESISTOR, LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
- LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20mA
- FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF 20mA
- DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20mA
- FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF 20mA
- DOMINANT WAVELENGTH (λD): ULTRA LOW WAVELENGTH GREEN (ULWG) 525 nm TYP @ IF=20mA
- FORWARD VOLTAGE (VF): ULTRA LOW WAVELENGTH GREEN (ULWG) 2.8V TYP @ IF=20 mA

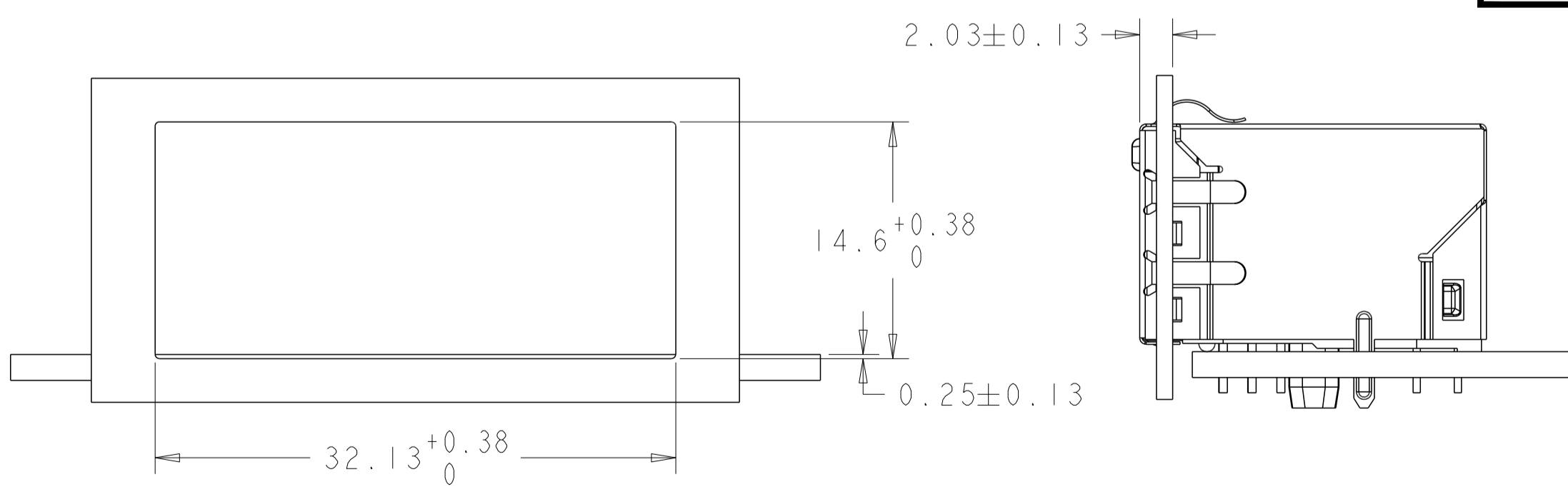
IF LEDS WITH BUILT-IN 250 OHM RESISTOR, LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA

- LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP @ VF=5V
- FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V
- DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V
- FORWARD CURRENT (IF): GREEN 13mA TYP @ VF=5V

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

8 THE PART COMPLIANTS TO WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

9 THE PART COMPLIANTS TO IR REFLOW SOLDERING PROESS, PEAK SOLDERING TEMPERATURE 260°C MAX. DURATION TIME 10 SECONDS MAX., OVER 230 °C WITHIN 40 TO 60 SECONDS.



OBSELETE

3.3	REFLOW 9	TOP AND SIDES	HTN	2.54	-	ULWG	NO	-	ULWG	NO	2250372-9
3.2	WAVE 8	TOP AND SIDES	PBT	3.68	YELLOW	GREEN	NO	YELLOW	GREEN	NO	2250372-8
3.2	WAVE 8	TOP AND SIDES	PBT	3.68	-	GREEN	NO	-	GREEN	NO	2250372-7
3.3	REFLOW 9	TOP AND SIDES	HTN	3.68	-	YELLOW	NO	-	GREEN	NO	2250372-6
3.3	REFLOW 9	TOP AND SIDES	HTN	3.68	-	YELLOW	YES	-	GREEN	YES	2250372-5
3.2	WAVE 8	ALL	PBT	3.68	-	GREEN	YES	-	YELLOW	YES	2250372-4
3.2	WAVE 8	TOP AND SIDES	PBT	2.54	YELLOW	GREEN	NO	YELLOW	GREEN	NO	2250372-3
3.2	WAVE 8	TOP AND SIDES	PBT	3.68	YELLOW	GREEN	NO	YELLOW	GREEN	NO	2250372-2
3.2	WAVE 8	TOP AND SIDES	HTN	2.54	-	GREEN	YES	-	GREEN	YES	2250372-1
DIM B	SOLDERING PROCESS	SHIELD TABS	HOUSING MATERIAL	DIM A	D1 ← D2 D1 → D2		LED 1 250 OHM RESISTORS	D3 ← D4 D3 → D4		LED 2 250 OHM RESISTORS	PART NUMBER
					LED 1 6			LED 2 6			

SUGGESTED PANEL CUTOUT

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M

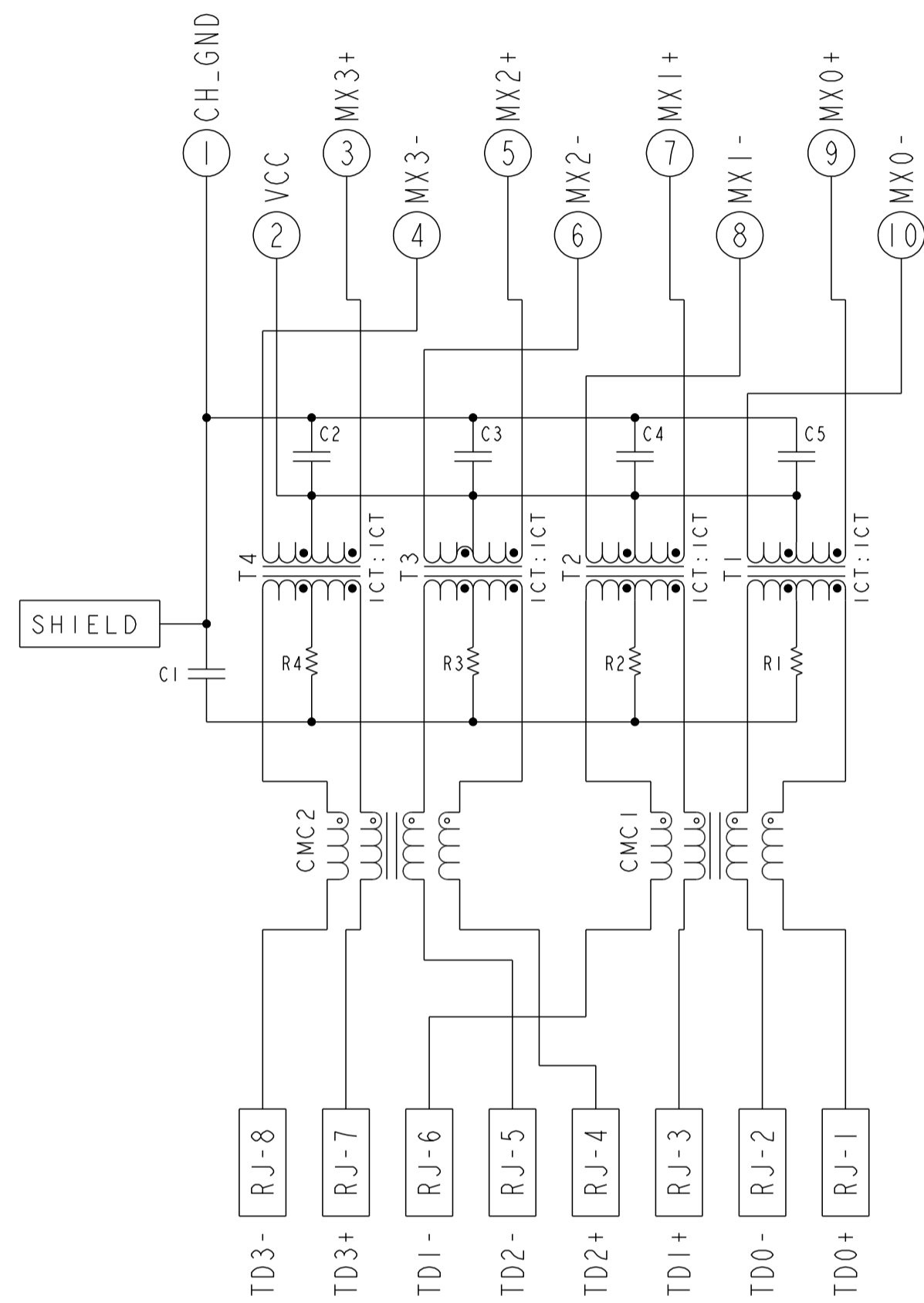
OWNER: TOWER YU / YI LIU 18FEB2016
 CHG: BILL LIU 18FEB2016
 APPV: TONY YUAN 18FEB2016

TRP CONNECTOR DONGGUAN CHINA

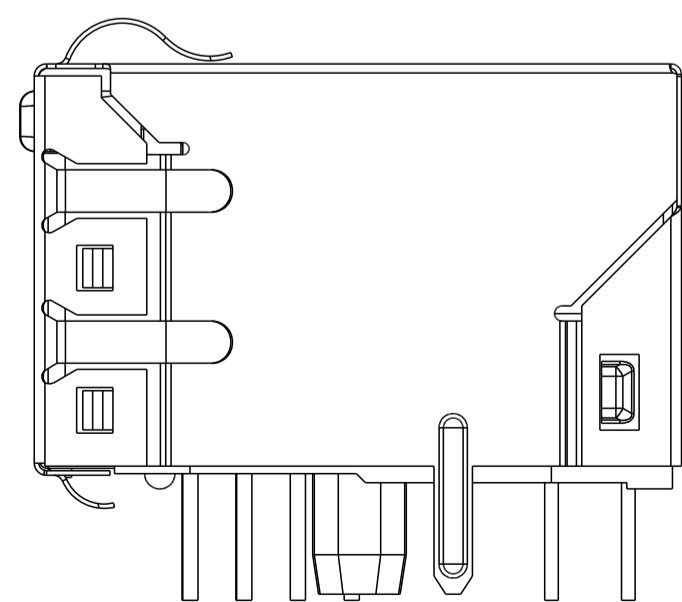
MODEL NAME: MAGJACK GANG NON-POE
 DESC: 1X2 7G151 GIGABIT TAB UP W/ LED

SIZE: A1
 SCALE: 4:1
 SHEET: 1 OF 2
 REV: C

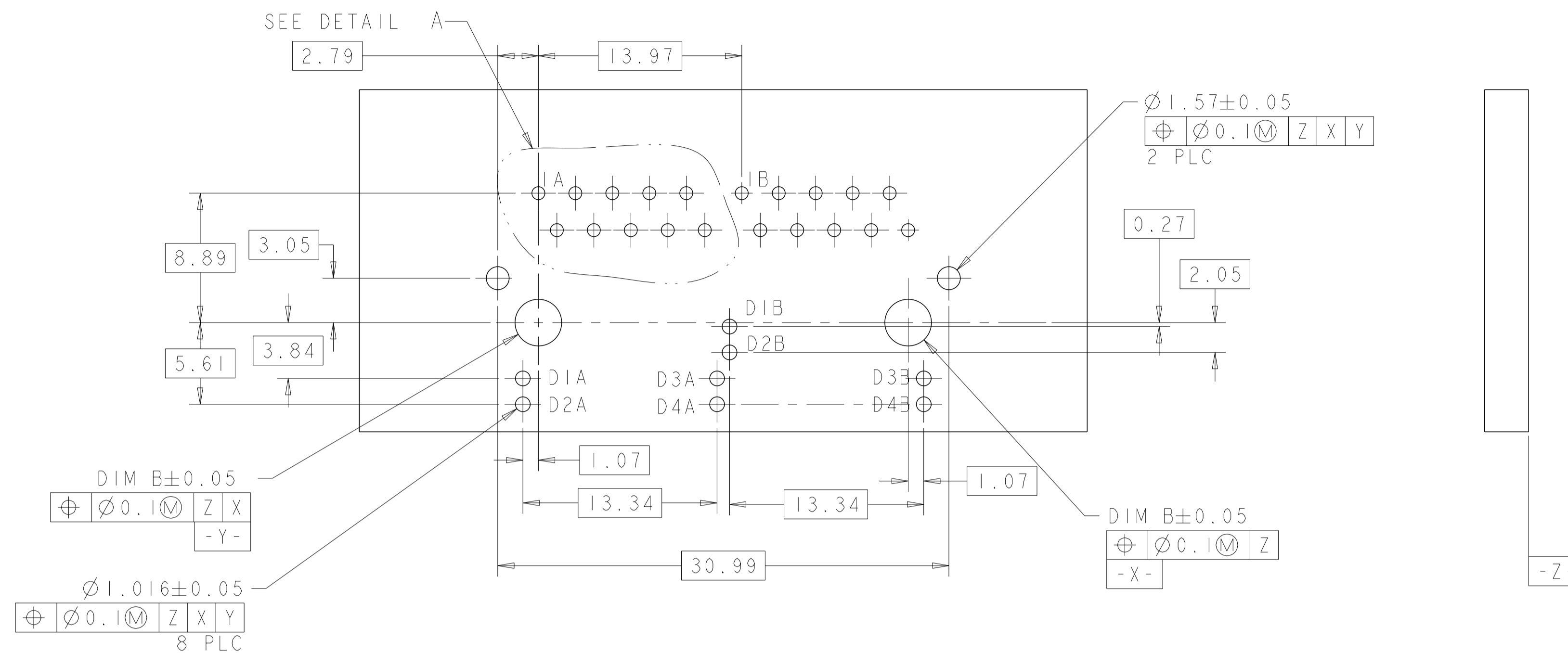
7G151 GIGABIT CIRCUIT



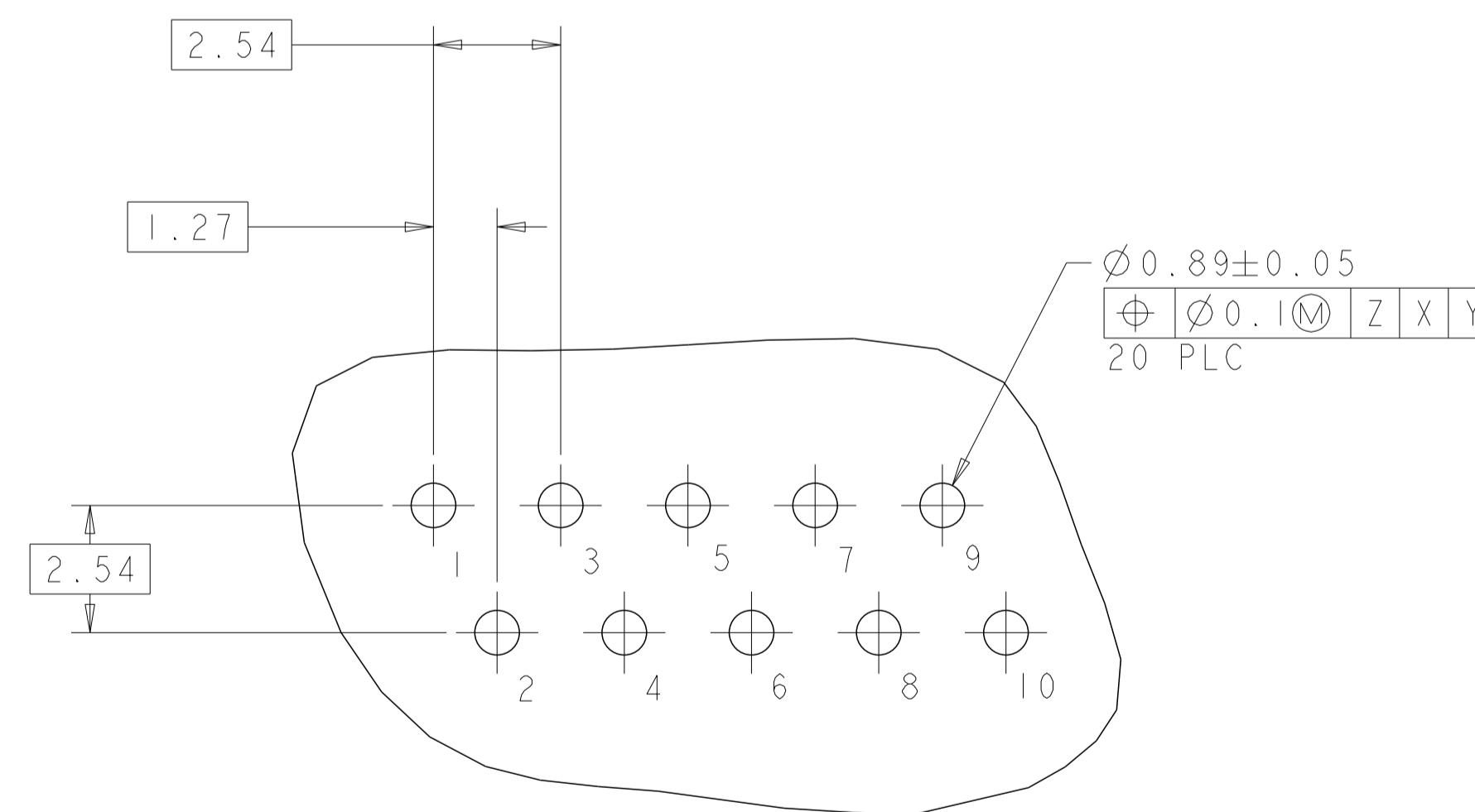
C1 = 1000pF, 2kV CAPACITOR
 R1-R4 = 75 Ohms, RESISTORS
 C2-C5 = 0.1μF, CAPACITORS



2250372-4



SUGGESTED CUSTOMER PCB
 (COMPONENT SIDE)



DETAIL A
 SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWG: TOWER YU / YI LIU 18FEB2016 CHK: BILL LIU 18FEB2016 APYD: TONY YUAN 18FEB2016	DONGGUAN CHINA
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° APPLICATION SPEC ±°	MODEL NAME: MAGJACK DESC: 1X2 7G151 GIGABIT TAB UP W/ LED	
PRODUCT SPEC: 108-104004		SIZE: A1 CAGE CODE: C=2250372 DRAWING NO: 2250372	RESTRICTED TO: - SCALE: 4:1 SHEET: 2 OF 2 REV: C