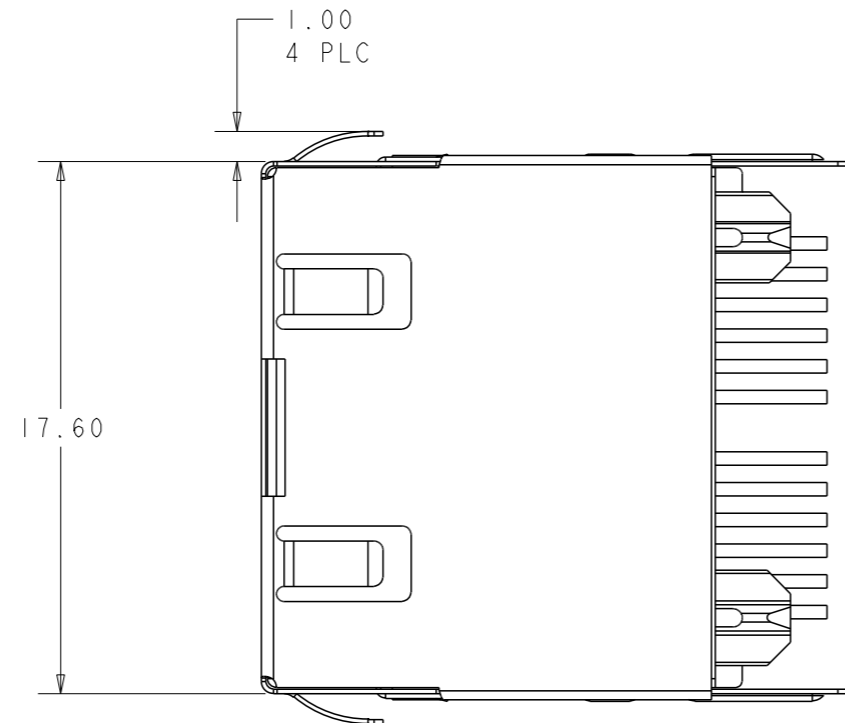
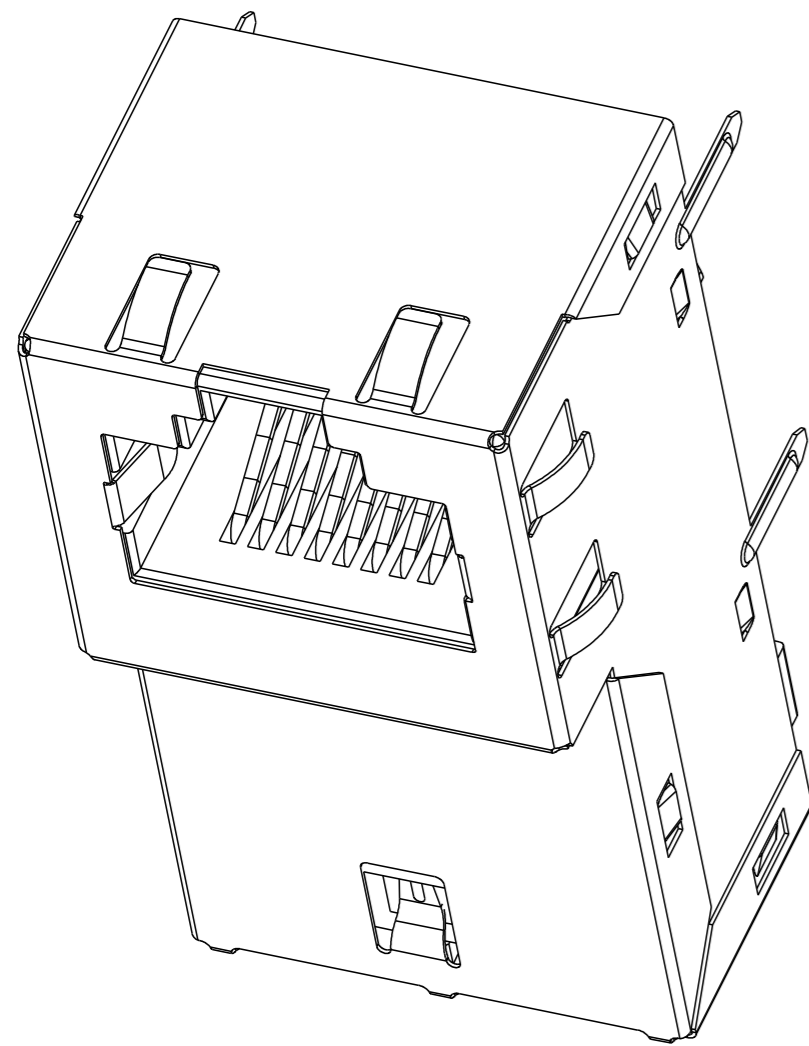


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
 5736910 5939955 6425781 6428361 6554638 6840817 7123117  
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
3		SEE LAST SHEET	03NOV2017	JY TY

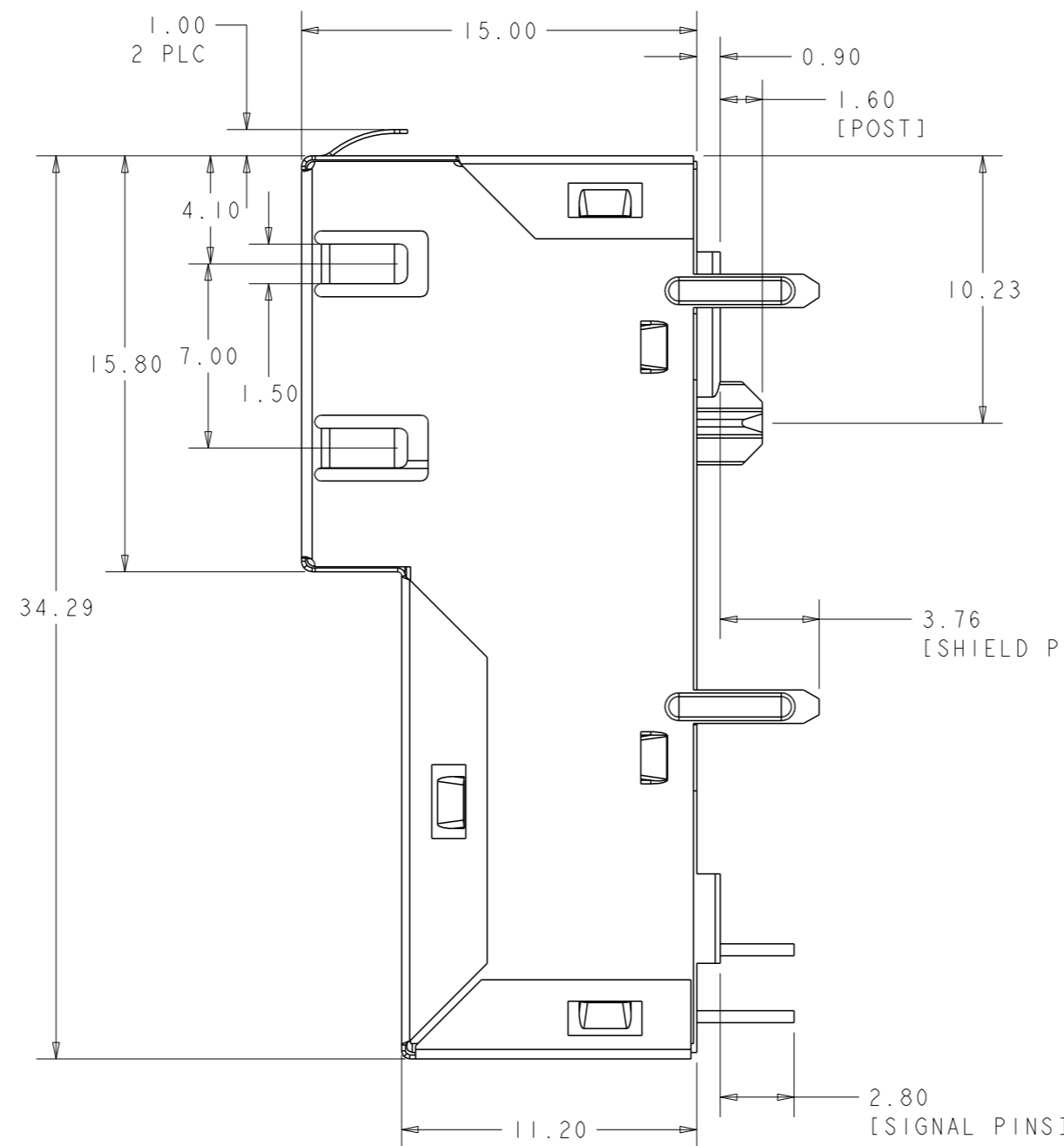
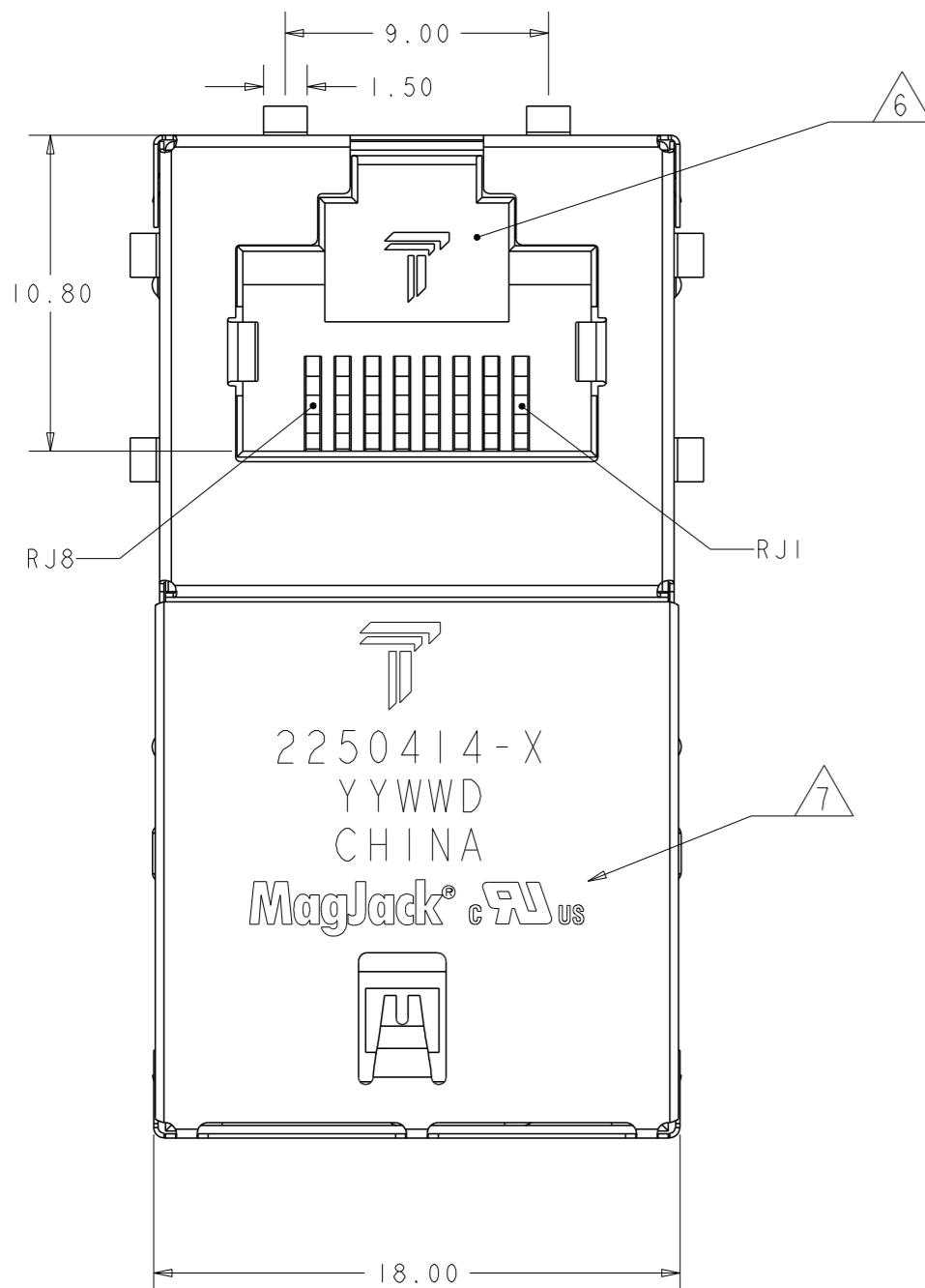


- MATERIALS**  
 HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0  
 SHIELD: STAINLESS STEEL, 0.15mm THICK, PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.  
 CONTACTS: PHOSPHOR BRONZE, PLATED WITH 1.27um MIN OVERALL NICKEL UNDERPLATE, SELECTIVE 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.  
 SOLDER TAIL: Ø0.45mm COPPER PLATED STEEL, PLATED WITH 2.54um MIN TIN

- MAGNETICS:**  
 APPLICATION: 1G/10G BASE-T  
 - IMPEDANCE: 100 OHMS  
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS  
 - OPEN CIRCUIT INDUCTANCE (OCL): 120 uH MIN @ 100kHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS  
 - ALL FOUR PAIRS BI-DIRECTIONAL  
 - PERFORMANCE @ 25°C (WHERE f IS FREQUENCY IN MHz):  
   (a) INSERTION LOSS (MIN)  
     1MHz - 400MHz                   -0.8-1.3\*(f-1)/400 dB  
   (b) RETURN LOSS (MAX)  
     1 MHz - 100 MHz               -17 dB  
     100 MHz - 400 MHz           -17 + 8LOG (f/100) dB  
     400 MHz - 600MHz           -12 + 30LOG (f/400) dB  
   (c) CROSSTALK ATTENUATION (MAX)  
     1 MHz - 500 MHz           -20 dB  
   (d) COMMON MODE ATTENUATION (MAX)  
     1 MHz - 500 MHz           -20 dB

- ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC,

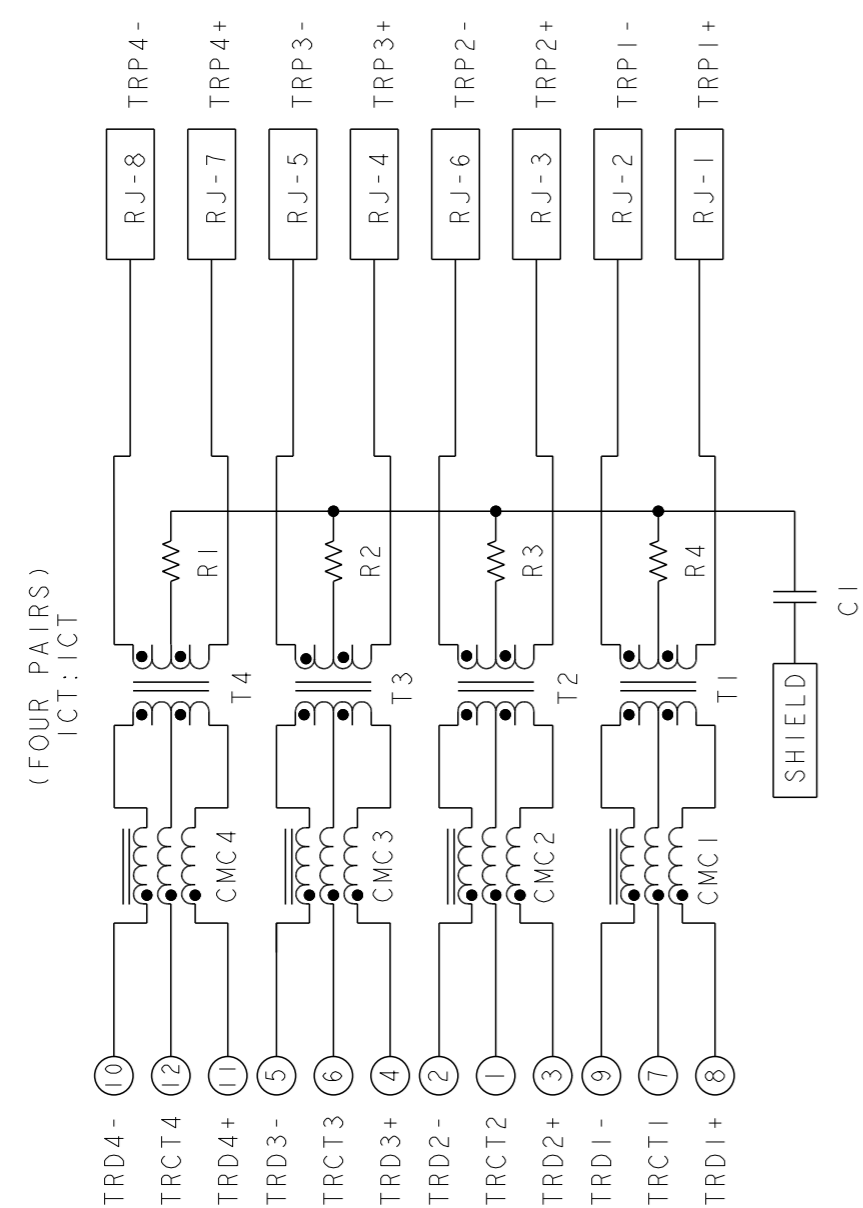
- THE MAGNETIC ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.
- OPERATING TEMPERATURE: FROM 0°C TO 70°C
- ALL DIMENSIONS TO BE NOMINAL UNLESS OTHERWISE NOTED
- RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN, DATE CODE: YYWW WHERE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1
- PART SHOULD BE RECOMMENED 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.



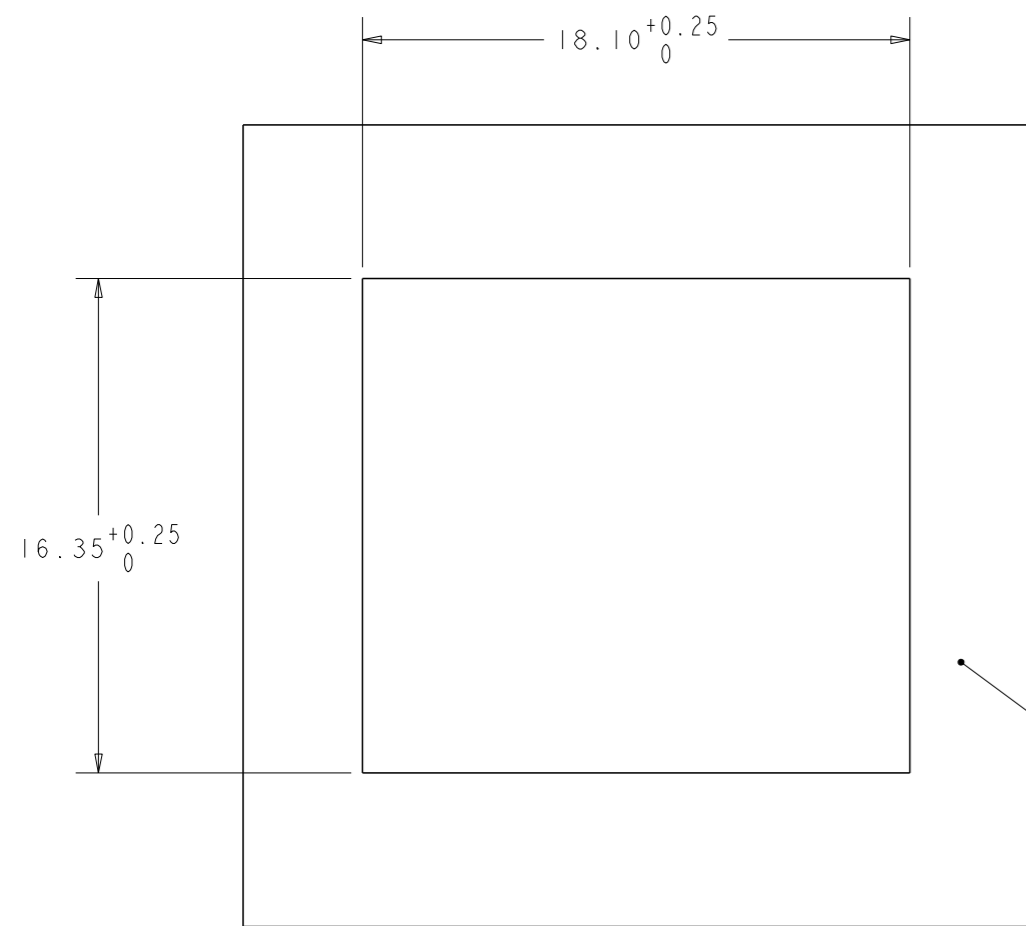
2250414-1  
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT, AND COMPLIANT TO ASME Y14.5M		DWN TOWER YU / YI LIU 30MAY2016	DONGGUAN CHINA	
DIMENSIONS: mm		CHK BILL LIU 30MAY2016		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 30MAY2016	DESC 1X1, MAGJACK, VERTICAL 4TG07, 10GIGABIT CIRCUIT, W/O LEDS	
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 SINGLE NON-POE	SIZE A2	RESTRICTED TO -
PRODUCT SPEC 108-104004	-	DRAWING NO C-2250414		SCALE 4:1
CUSTOMER DRAWING			SHEET 1 OF 3	REV 3

# 4TG07 10G CIRCUIT

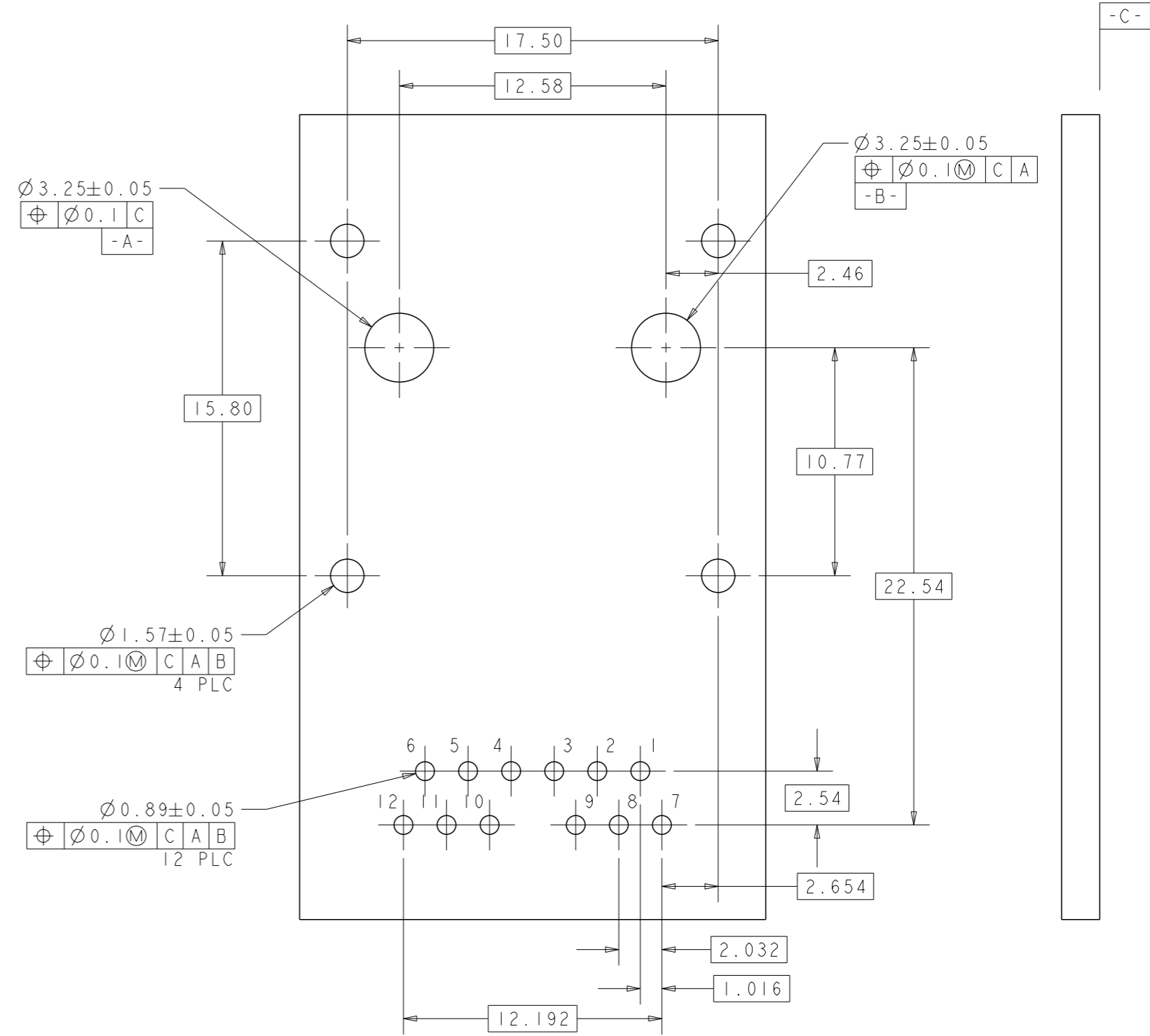
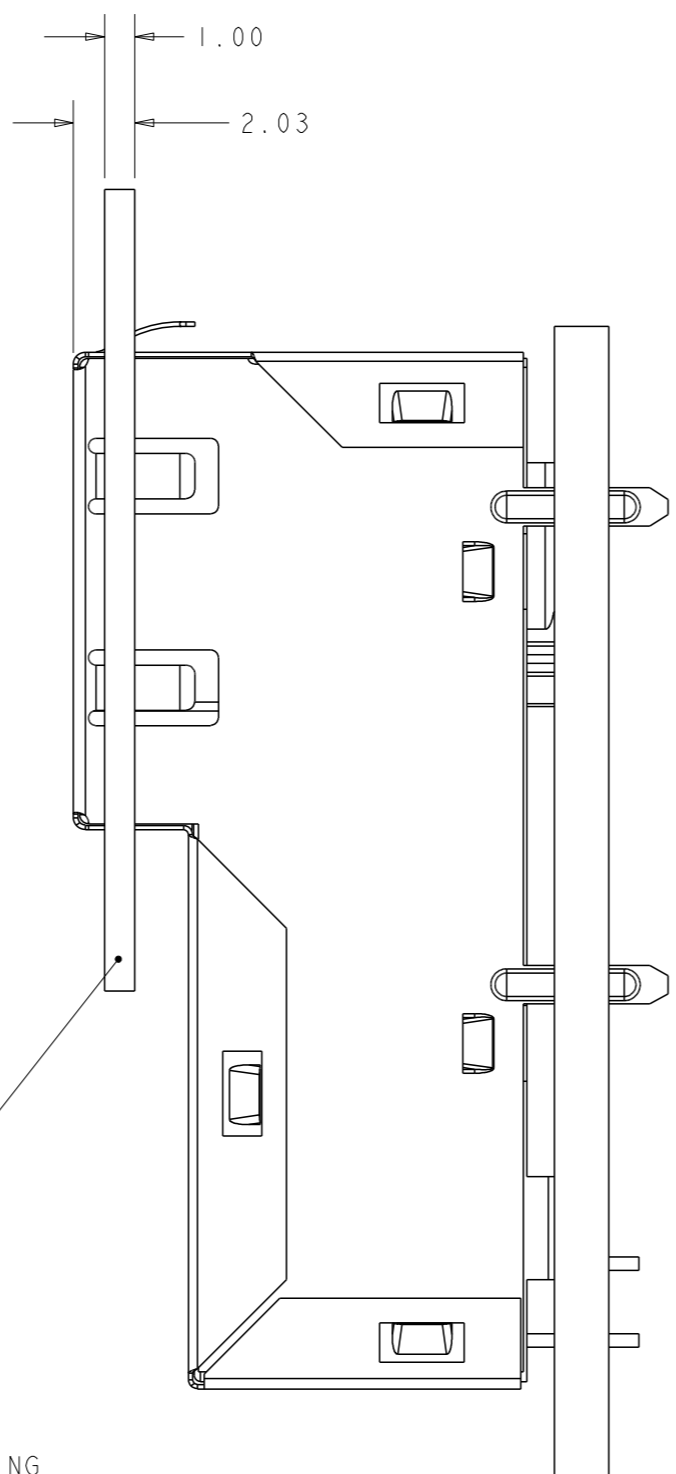


C1 = 1000pF, 2KV, CAPACITOR  
 R1 - R4 = 75 ohms, RESISTOR



PANEL


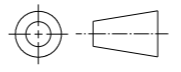
SUGGESTED PANEL OPENING



SUGGESTED PCB LAYOUT  
(COMPONENT SIDE VIEW)

THIS DRAWING IS A CONTROLLED DOCUMENT, AND COMPLIANT TO ASME Y14.5M		DWN TOWER YU / YI LIU 30MAY2016	<b>trp</b> CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS: mm		CHK BILL LIU 30MAY2016		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 30MAY2016	DESC 1X1, MAGJACK, VERTICAL 4TG07, 10GIGABIT CIRCUIT, W/O LEDS	
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC		MODEL NAME MAGJACK SINGLE NON-POE	SIZE A2	DRAWING NO C-2250414
PRODUCT SPEC 108-104004	-	CUSTOMER DRAWING		RESTRICTED TO -
		SCALE 4:1	SHEET 2	OF 3
				REV 3

2250414					STOCK DISPOSITION			
					A: CONTINUE AS IS		D: USE OLD FIRST	
					B: REWORK		E: PARTS TO CONFORM	
					C: SCRAP		F: OTHER	
REVISION HISTORY								
DATE	REV	CHANGES	REASON	APPROVAL	INVENTORY (A,B,C, D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
30MAY2016	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
15JUL2016	2	UPDATED VIEWS FOR SHIELD CHANGE SHEET 1, A8: ADD SHIELD CLOSE DIMENSION 18.00 SHEET 1, B3: CHANGE POST HEIGHT FROM 3.30 TO 1.60 SHEET 2, C4: ADD DIM 15.80, AND TWO HOLES	PRODUCT IMPROVEMENT	TONY YUAN	-	-	-	-
03NOV2017	3	UPDATED ITEM2 SPEC SHEET 1, C2: ITEM 2: CHANGE "PERFORMANCE" CONTENT.	MARKET REQUIREMENT	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN TOWER YU / YI LIU 30MAY2016	 <b>trp</b> CONNECTOR a bel group	DONGGUAN CHINA		
DIMENSIONS: mm		CHK BILL LIU 30MAY2016		DESC IXI, MAGJACK, VERTICAL 4TG07, 10GIGABIT CIRCUIT, W/O LEDS		
		APVD TONY YUAN 30MAY2016		MODEL NAME MAGJACK SINGLE NON-POE	SIZE A2	RESTRICTED TO -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±° APPLICATION SPEC		DRAWING NO C-2250414		SCALE 4:1	SHEET 3 OF 3	
PRODUCT SPEC 108-104004		CUSTOMER DRAWING		REV 3		