

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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	DWN	APVD
	1	SEE LAST SHEET	23SEP2015	RL	TY

1. MATERIALS:
- HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
 - SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 0.76 μ m MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2 μ m MIN TIN
 - CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 μ m MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 MIN GOLD PLATING AT MATING INTERFACE, 3 μ m MIN TIN PLATE ON SOLDER TAILS
 - MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27 μ m MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 μ m MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
 - LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03 μ m MIN. SILVER PLATE OVER 1.02 μ m MIN. NICKEL OVER 1.02 μ m MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05 μ m MIN. MATTE TIN. DIPPED WITH 2 μ m MIN TIN
 - LIGHT PIPE: POLYETHER SULFONE

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

- 3 MAGNETICS:
- APPLICATION: 1G/10G BASE-T, EXTENDED TEMPERATURE
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 160 μ H MIN @ 100kHz, 0.1VRMS, 8mA DC BIAS FROM -40°C TO +85°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C: PLEASE REFER TO SEPARATE SHEET
 - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC,

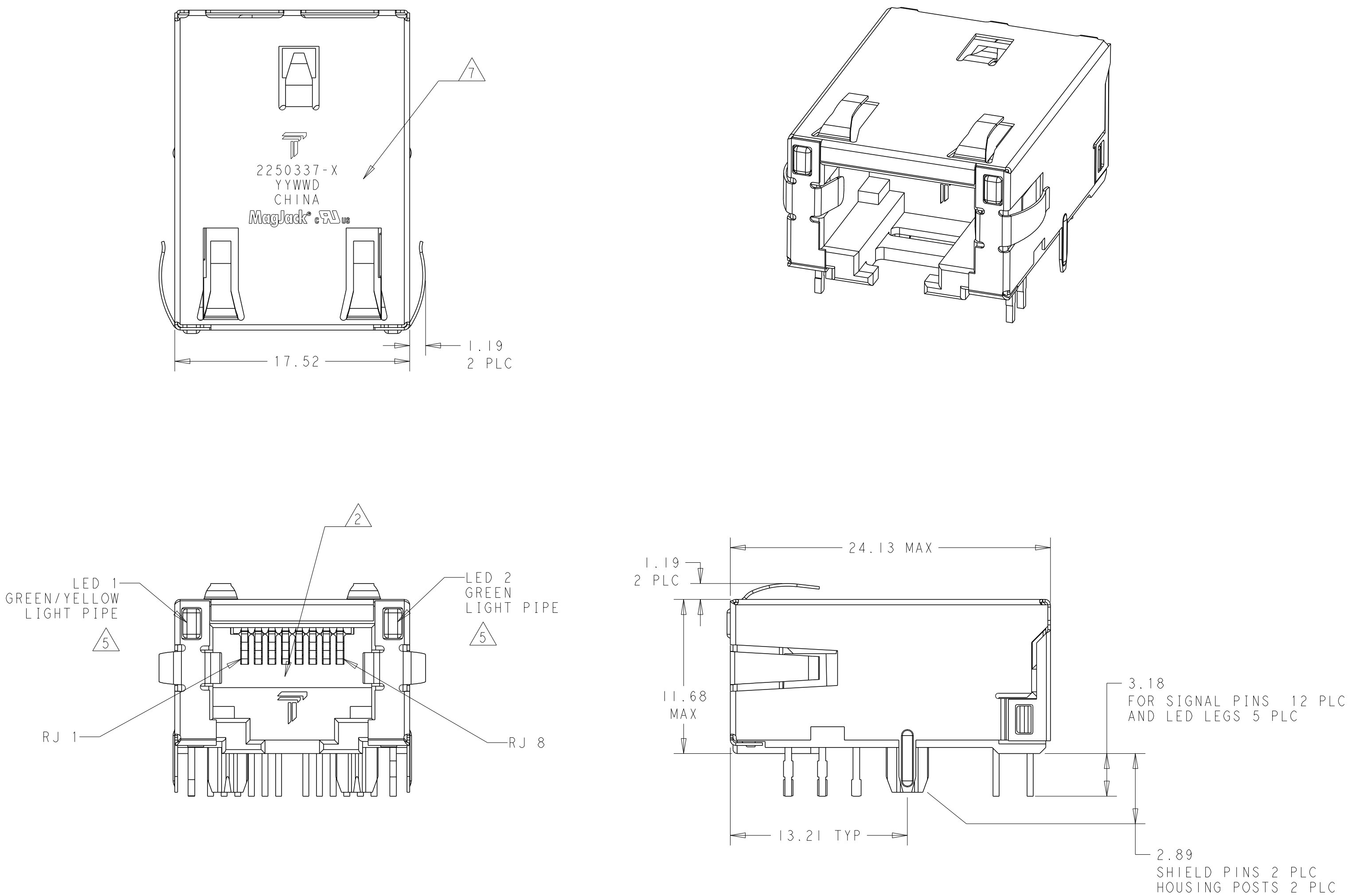
4. OPERATING TEMPERATURE: FROM -40°C TO +85°C

- 5 LIGHT PIPES ARE USED TO TRANSMIT LIGHT OF LED.
LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 568nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λ D): YELLOW 588nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA

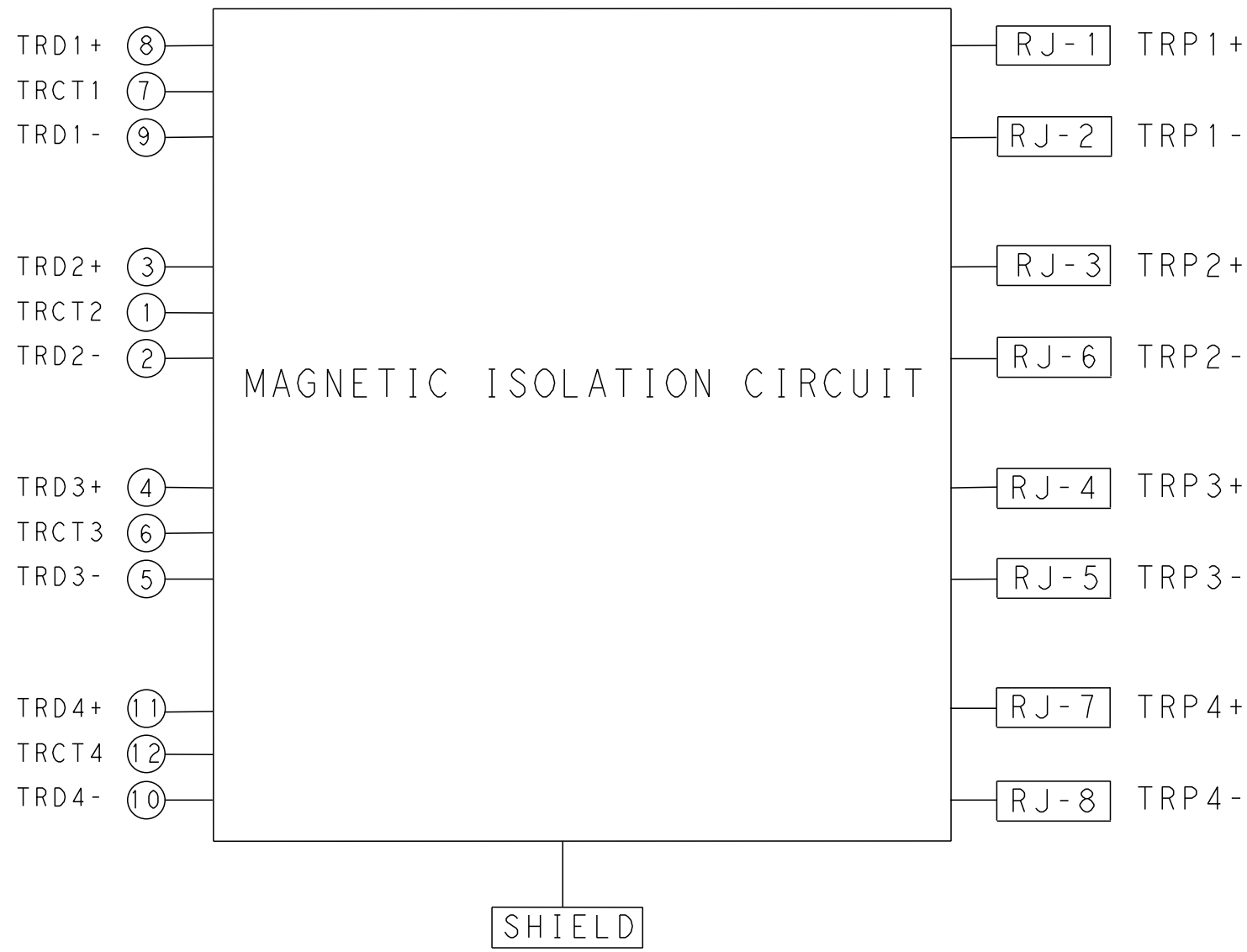
6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

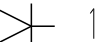
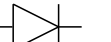
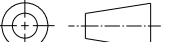
7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN, DATE CODE: YYWWD WHERE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1.

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



8TG08ET 10 GIGABIT CIRCUIT 3 4



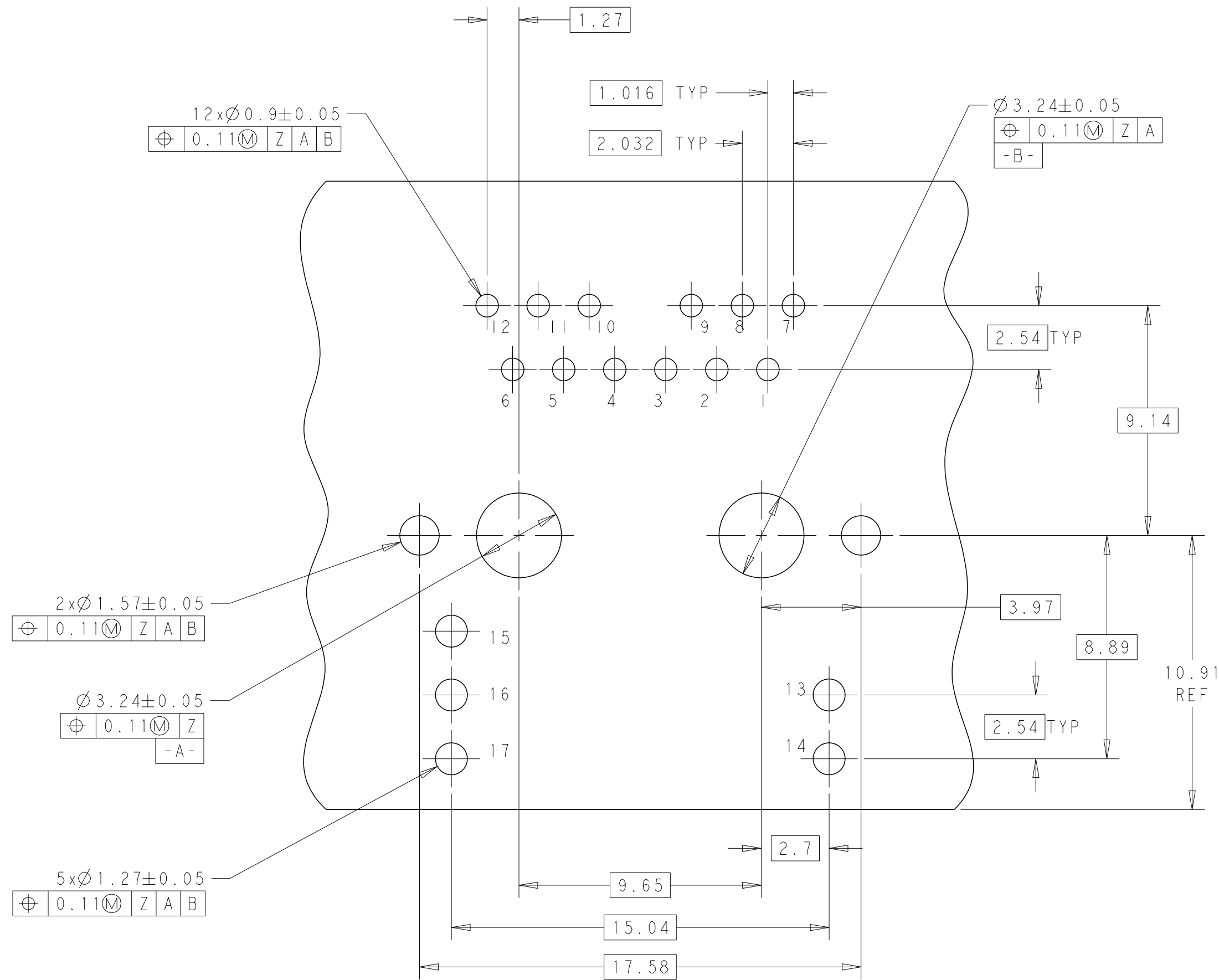
TRAY	WAVE 	YELLOW	GREEN	GREEN	2250337-1		
PACKAGE METHOD	SOLDERING PROCESS	16 	16 	14 	PART NO.		
		LED 1		LED 2			
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 23SEP2015		 trp CONNECTOR a bel group DONGGUAN CHINA			
DIMENSIONS:		CHK TOWER YU / XENIA WANG 23SEP2015					
mm		APVD TONY YUAN 23SEP2015					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME					
		MAGJACK		DESC 1X1 10G 8TG08ET TAB DOWN LOW PROFILE W/ LED			
0 PLC ±0.25		SINGLE NON-POE		SIZE	CAGE CODE	DRAWING NO C=2250337	RESTRICTED TO -
1 PLC ±0.25							
2 PLC ±0.25							
3 PLC ±							
4 PLC ±							
ANGLES							
APPLICATION SPEC							
PRODUCT SPEC 108-104004							
		CUSTOMER DRAWING		SCALE 4:1		SHEET 1 OF 3	
						REV 1	

D

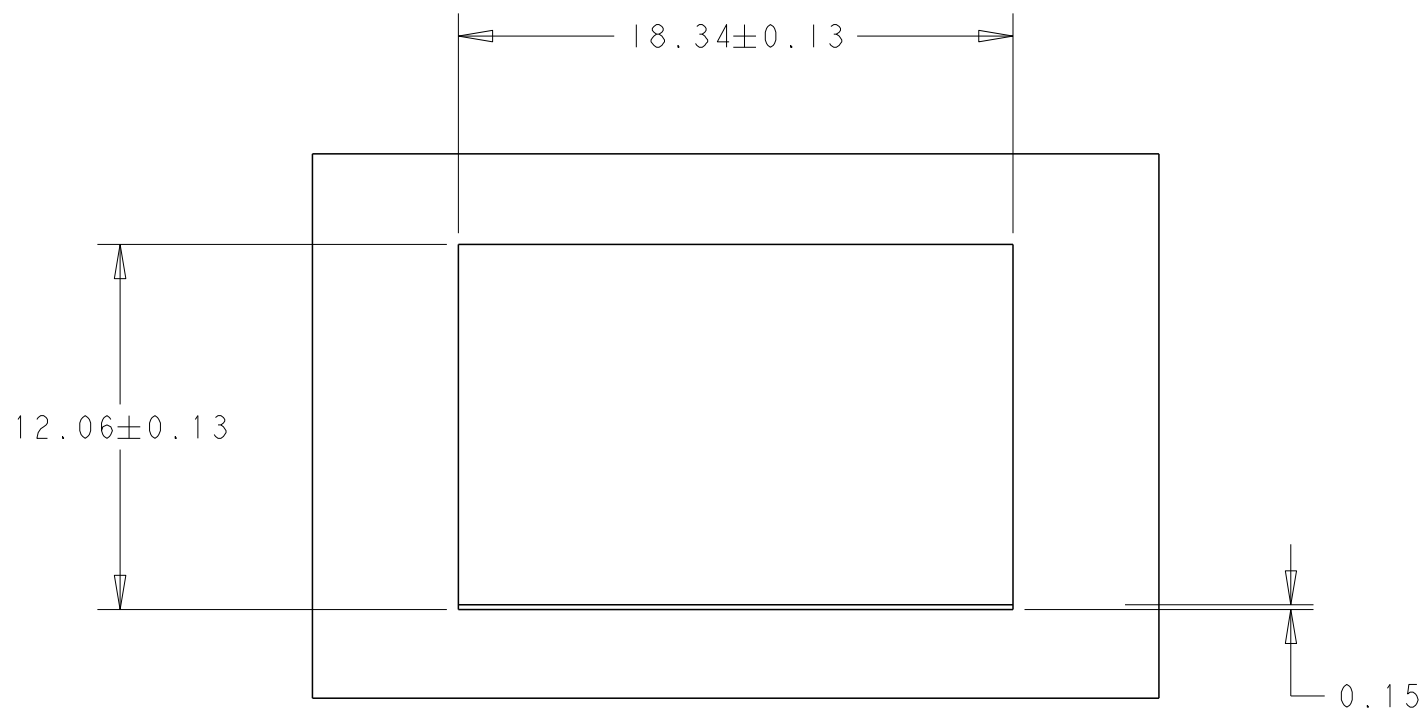
C

B

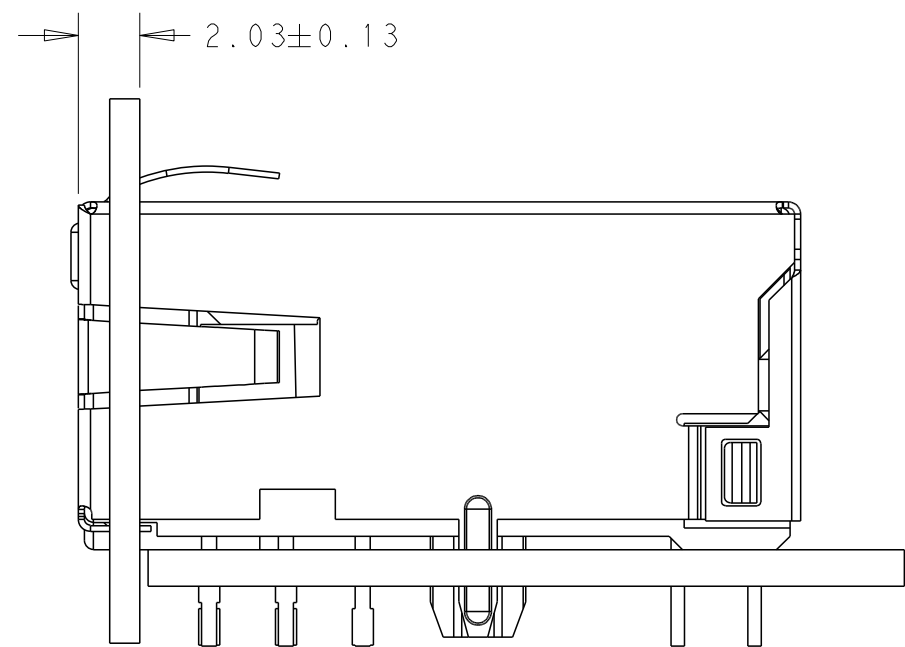
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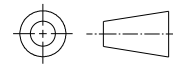
SUGGESTED PCB LAYOUT
(COMPONENT SIDE)



SUGGESTED PANEL CUTOUT



- Z -

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 23SEP2015	 DONGGUAN CHINA	
		CHK TOWER YU / KENIA WANG 23SEP2015		
DIMENSIONS: mm		APVD TONY YUAN	MODEL NAME MAGJACK	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESC 1X1 10G 8TG08ET TAB DOWN LOW PROFILE W/ LED
		0 PLC ± 0.25 1 PLC ± 0.25 2 PLC ± 0.25 3 PLC $\pm$ 4 PLC $\pm$ ANGLES $\pm$ APPLICATION SPEC $\pm$		SIZE A 1
PRODUCT SPEC 108-104004		SINGLE NON-POE		RESTRICTED TO -
CUSTOMER DRAWING		SCALE 4:1		SHEET 2 OF 3
				REV 1

B

A

2250337_C					STOCK DISPOSITION			
					A: CONTINUE AS IS		D: USE OLD FIRST	
					B: REWORK		E: PARTS TO CONFORM	
REVISION HISTORY					C: SCRAP		F: OTHER	
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)
23SEP2015	1	INITIAL RELEASE	-	TONY YUAN	-	-	-	-