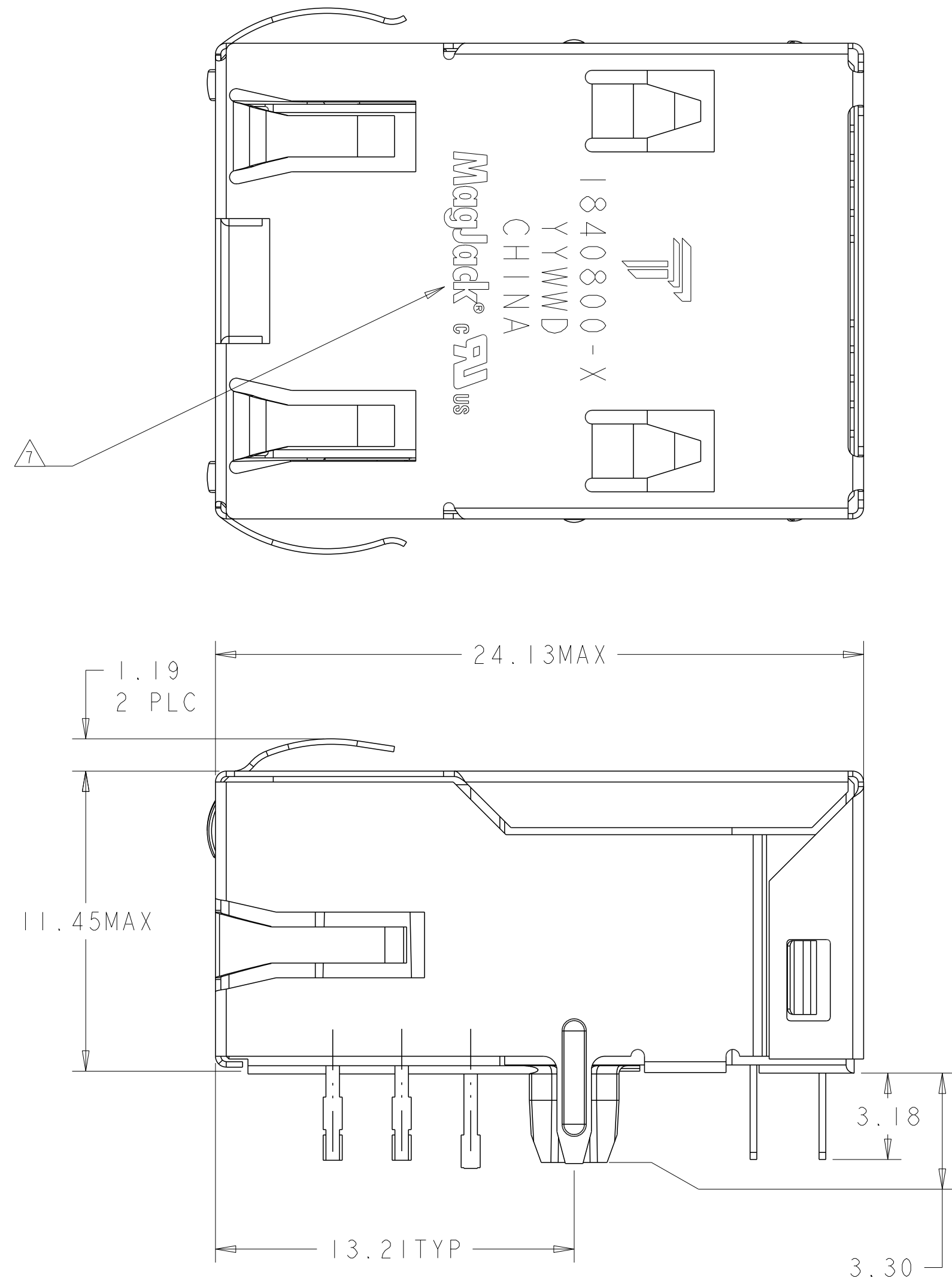
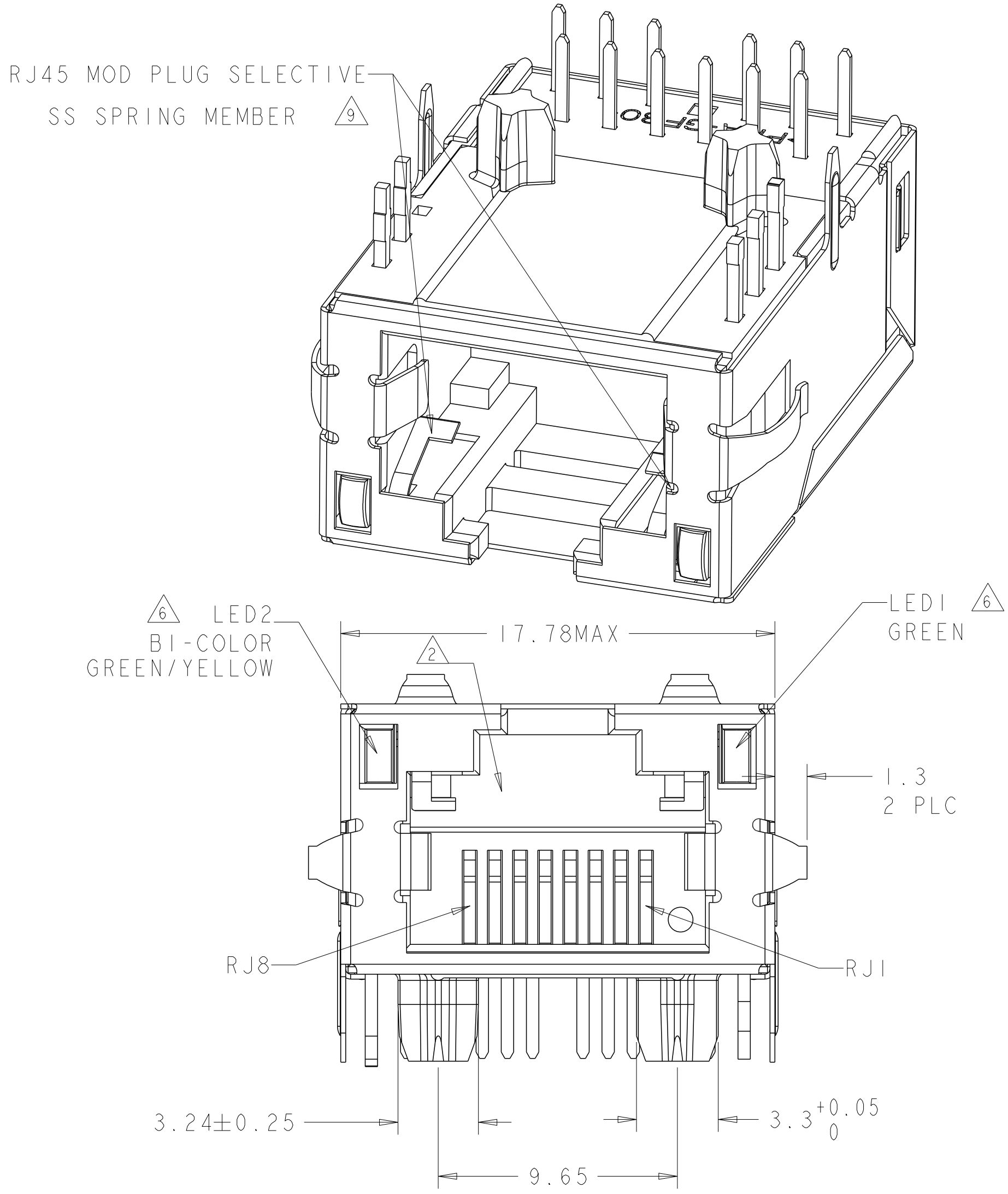


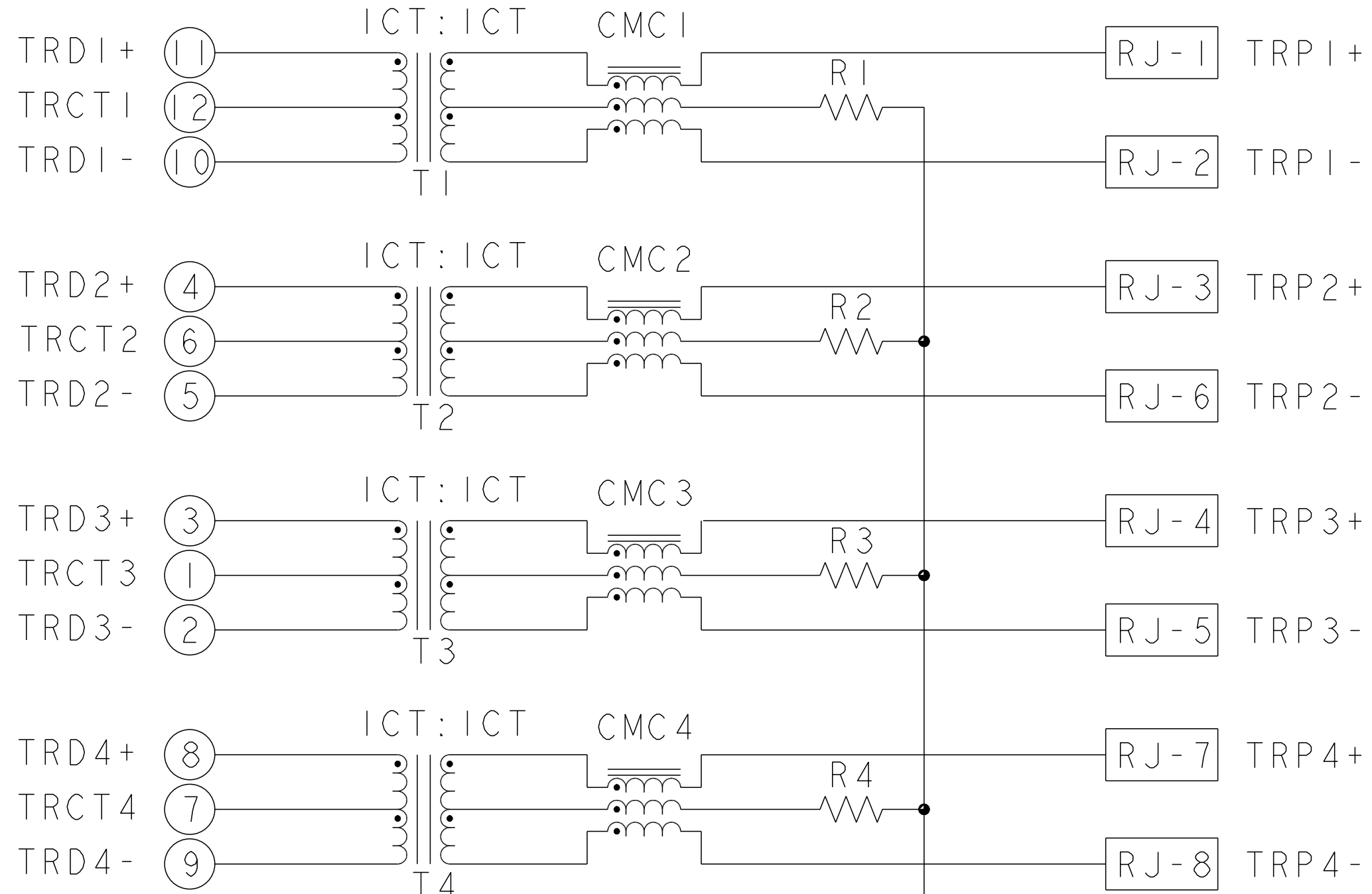
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LYR	DESCRIPTION	DATE	OWN APVD
3		LOGO CHANGE	08MAY2013	TY KZ
4		COMPANY LOGO CHANGE AND EC-1409035	25DEC2014	TYR TYN



IG18ET GIGABIT CIRCUIT



CI : 1000pF, 3kV DECOUPLING CAPACITOR.
R1-R4: 75 Ohms, 1/16W, RESISTORS.

- MATERIALS
-HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
-SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 1.27um MIN SEMI-BRIGHT NICKEL;
POST-DIPPED WITH 2um MIN LEAD FREE TIN SOLDER
-CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL
UNDERPLATE, 3um MIN TIN PLATE
-MOD JACK CONTACTS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL
UNDERPLATE, WITH 0.76um 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 2.03um MIN. SILVER PLATE OVER 1.02um MIN. NICKEL
OVER 1.02um MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05um MIN. MATTE TIN.
TIP TIN DIPPING
-LIGHT PIPE: POLYCARBONATE
- RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.
- MAGNETICS
- APPLICATION: 10/100/1000 BASE-T EXTENDED TEMPERATURE
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
- OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN. @100kHz, 0.1VRMS,
8mADC BIAS FROM -40°C TO 85°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

- OPERATING TEMPERATURE: FROM -40°C TO +85°C.
- INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.
- LEDs ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP. AT IF = 20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF = 20mA
DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP. AT IF = 20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF = 20mA

- TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- PART SHOULD BE COMPLIANT WITH WAVE SOLDERING PROCESS ONLY, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE 260°C MAX, 10 SECONDS MAX;
- RJ45 MOD PLUG SELECTIVE - THIS CONNECTOR UTILIZES STAINLESS STEEL SPRING MEMBER WHICH PREVENTS THE INSERTION OF A RJ11 (6 POSITION) PLUG INTO THE JACK PORT, WHILE ALLOWING A RJ45 (8 POSITION) PLUG TO MATE FREELY.

WARNING: THIS FEATURE WAS DEVELOPED FOR TYPICAL PLUG INSERTION FORCES. EXCESSIVE INSERTION FORCE MAY OVERCOME THE SELECTIVE FEATURES AND DAMAGE THE CONNECTOR.
- PART SHOULD BE COMPLIANT WITH BOTH WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE 260°C MAX, 10 SECONDS MAX; AND IR REFLOW SOLDERING PROESS PEAK SOLDERING TEMPERATURE 260°C MAX, DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-60 SECONDS;
-----NEED ADD DASH PART NUMBER IF APPLY THIS SOLDER PROCESS

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN WILLIAM XIAO 26JUL2010	 trp CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS:		CHK TOWER YU 26JUL2010		
mm		APVD KEITH ZHU 26JUL2010		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC		MAGJACK	DESC IXI IG18ET GIGABIT TAB UP LOW PROFILE W/ LED	
PRODUCT SPEC 108-2207		SINGLE NON-POE	SIZE A1	CAGE CODE DRAWING NO C=1840800
CUSTOMER DRAWING		SCALE 4:1	SHEET 1	REV 4

D

C

B

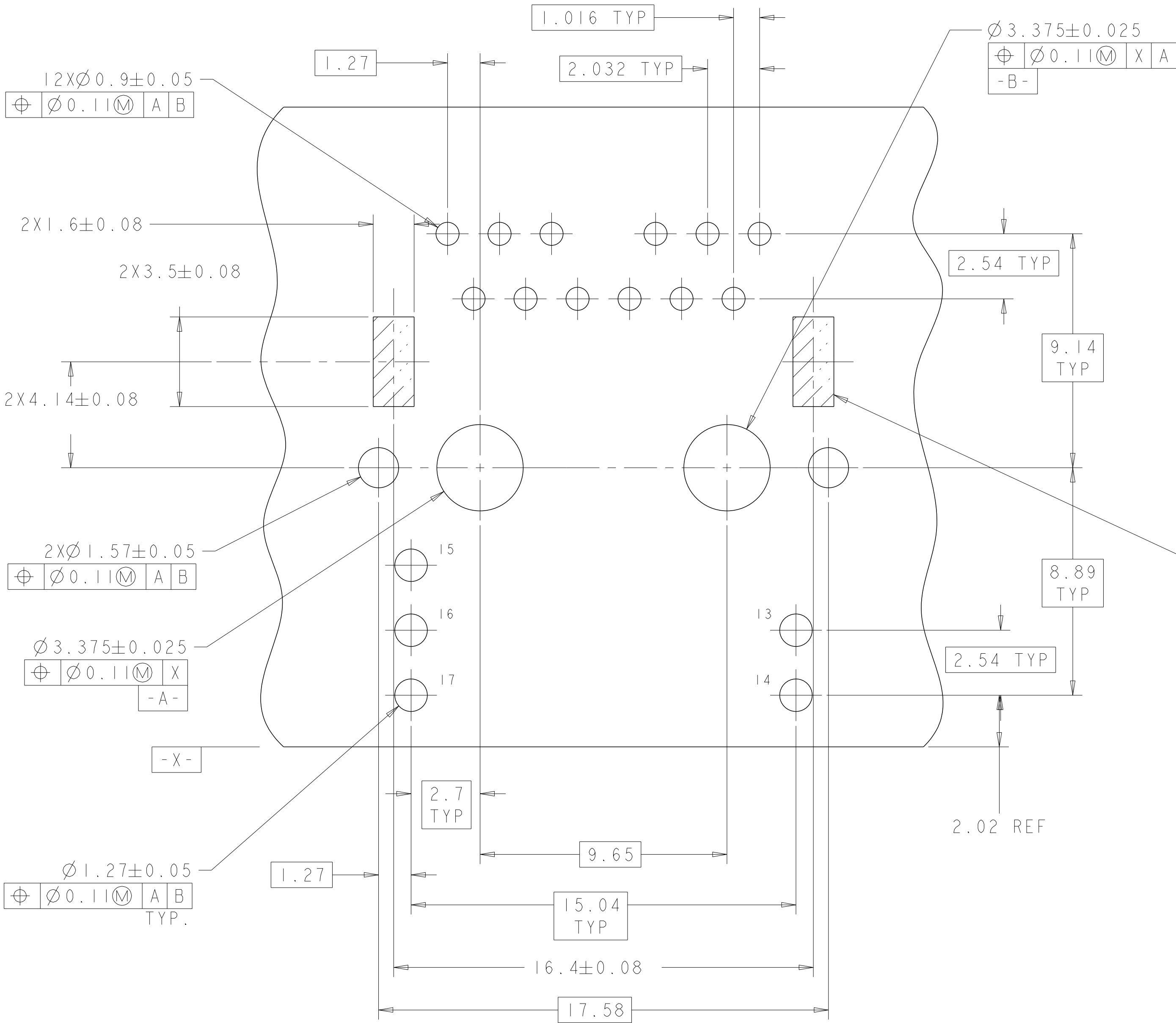
A

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C

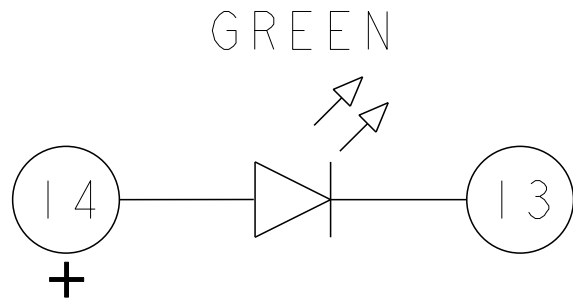
B

A

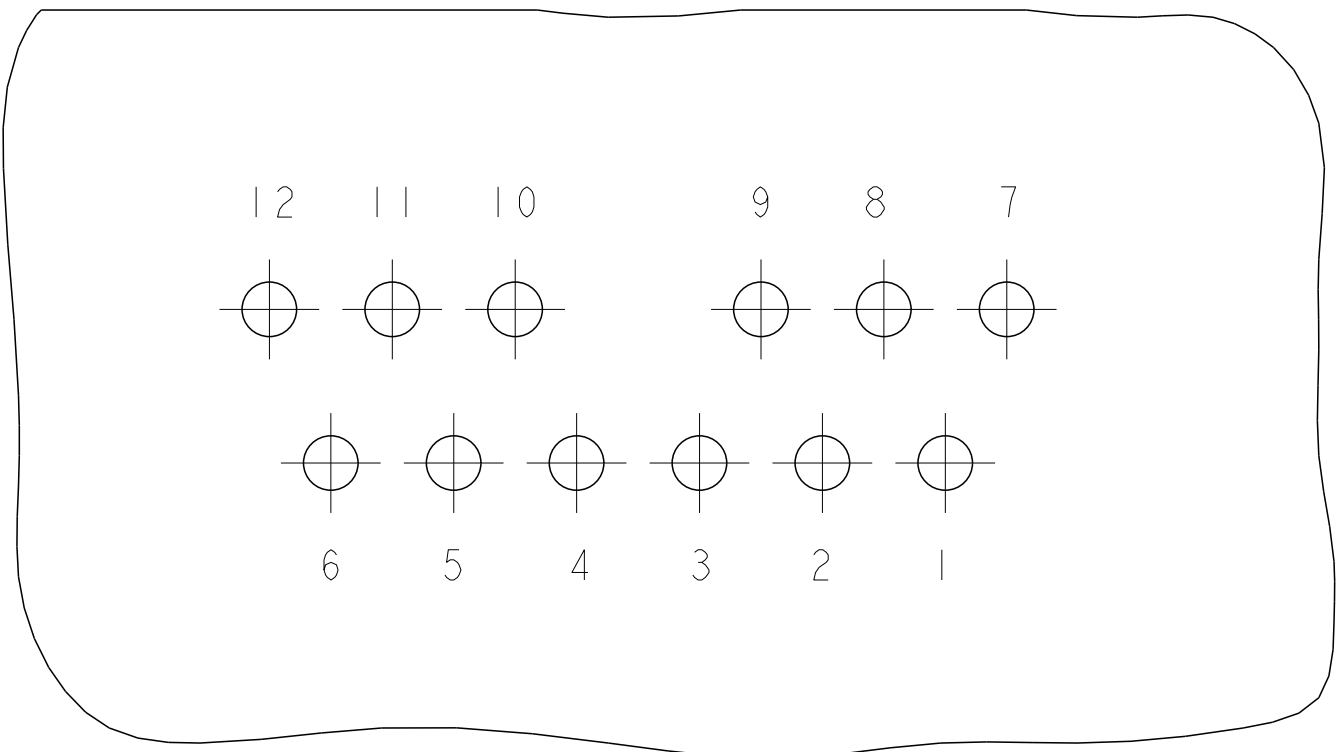
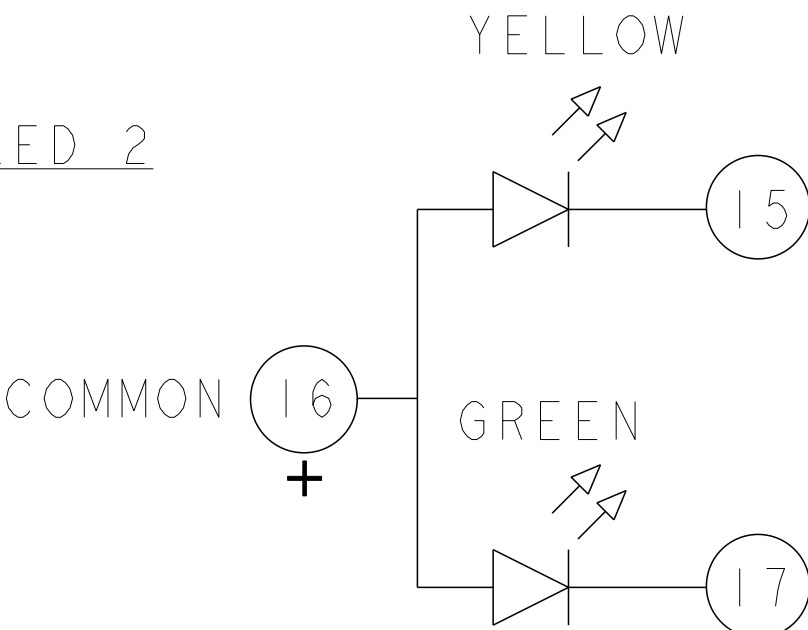


IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLE, COMPONENT AND CIRCUIT TRACE

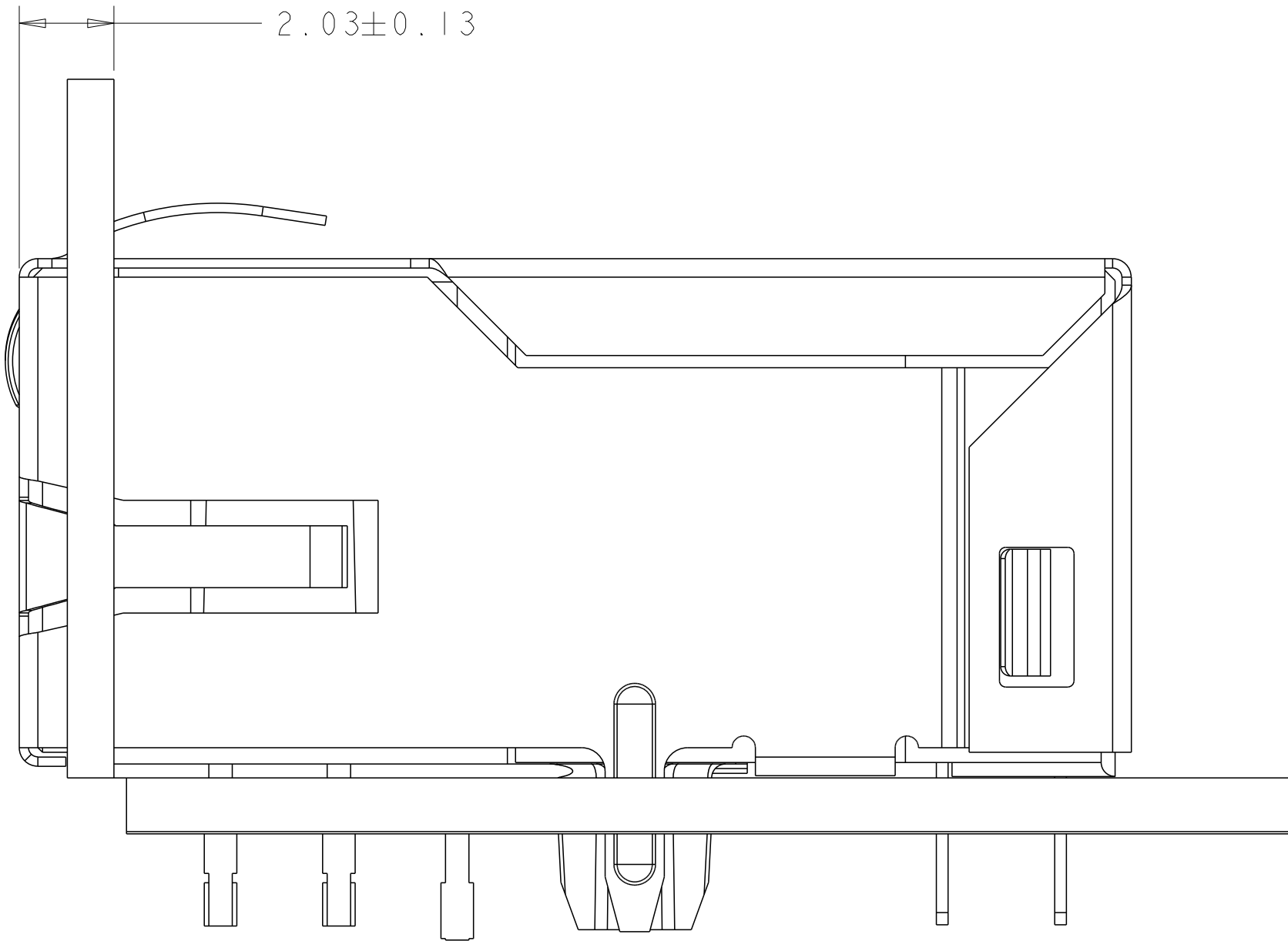
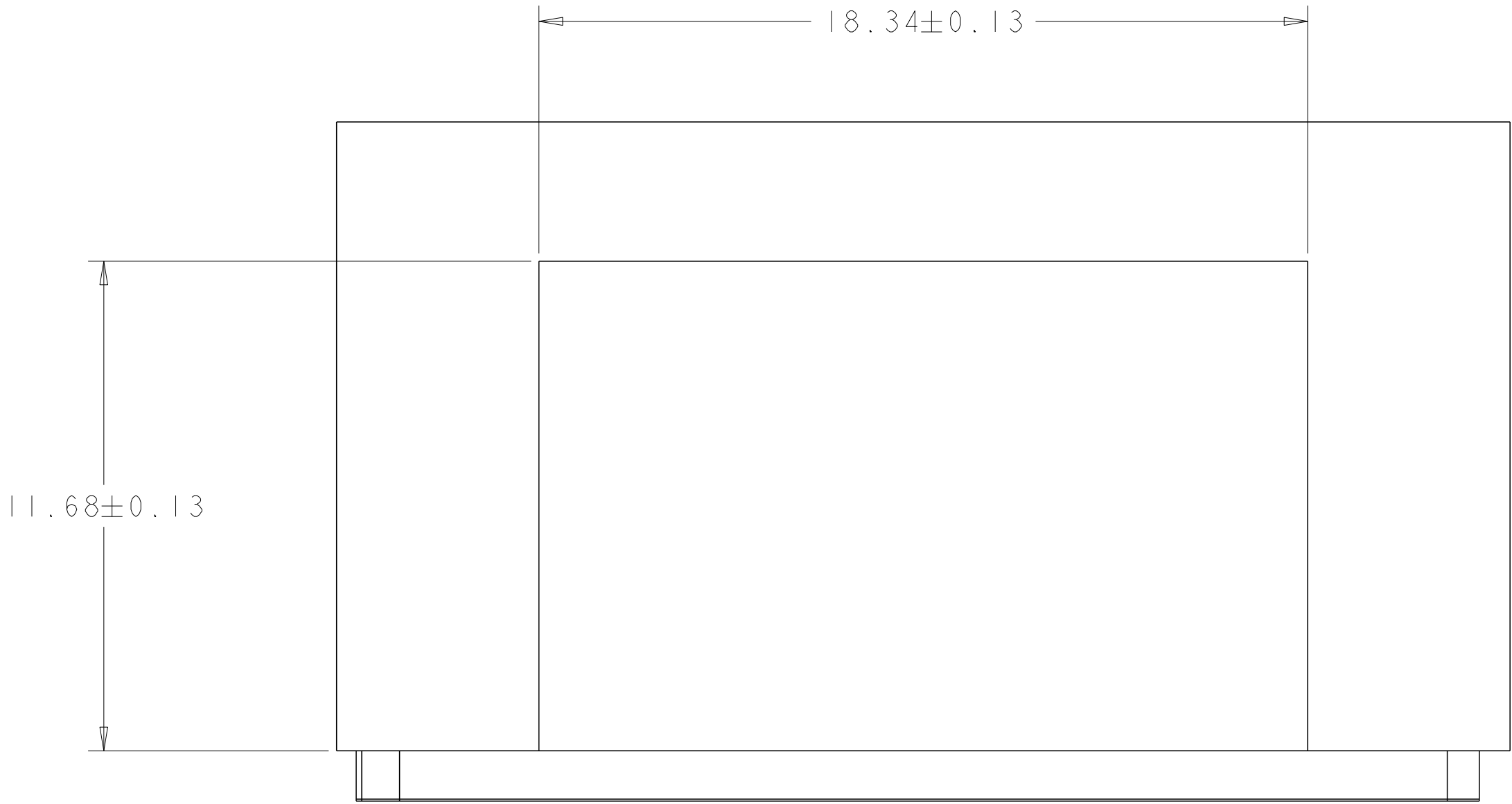
LED 1



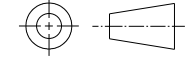
LED 2



PIN DESIGNATIONS



SUGGESTED PANEL CUTOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WILLIAM XIAO 26JUL2010		 trp CONNECTOR a bel group	DONGGUAN CHINA
		CHK TOWER YU 26JUL2010			
		APVD KEITH ZHU 26JUL2010			
		MODEL NAME			
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DESC		IXI 1G18ET GIGABIT TAB UP LOW PROFILE W/ LED	
mm	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±	MAGJACK			
		SINGLE NON-POE			
PRODUCT SPEC		CUSTOMER DRAWING			
108-2207	-	SIZE A1	CAGE CODE C=1840800	RESTRICTED TO -	
		SCALE 4:1	SHEET 2 OF 2	REV 4	