



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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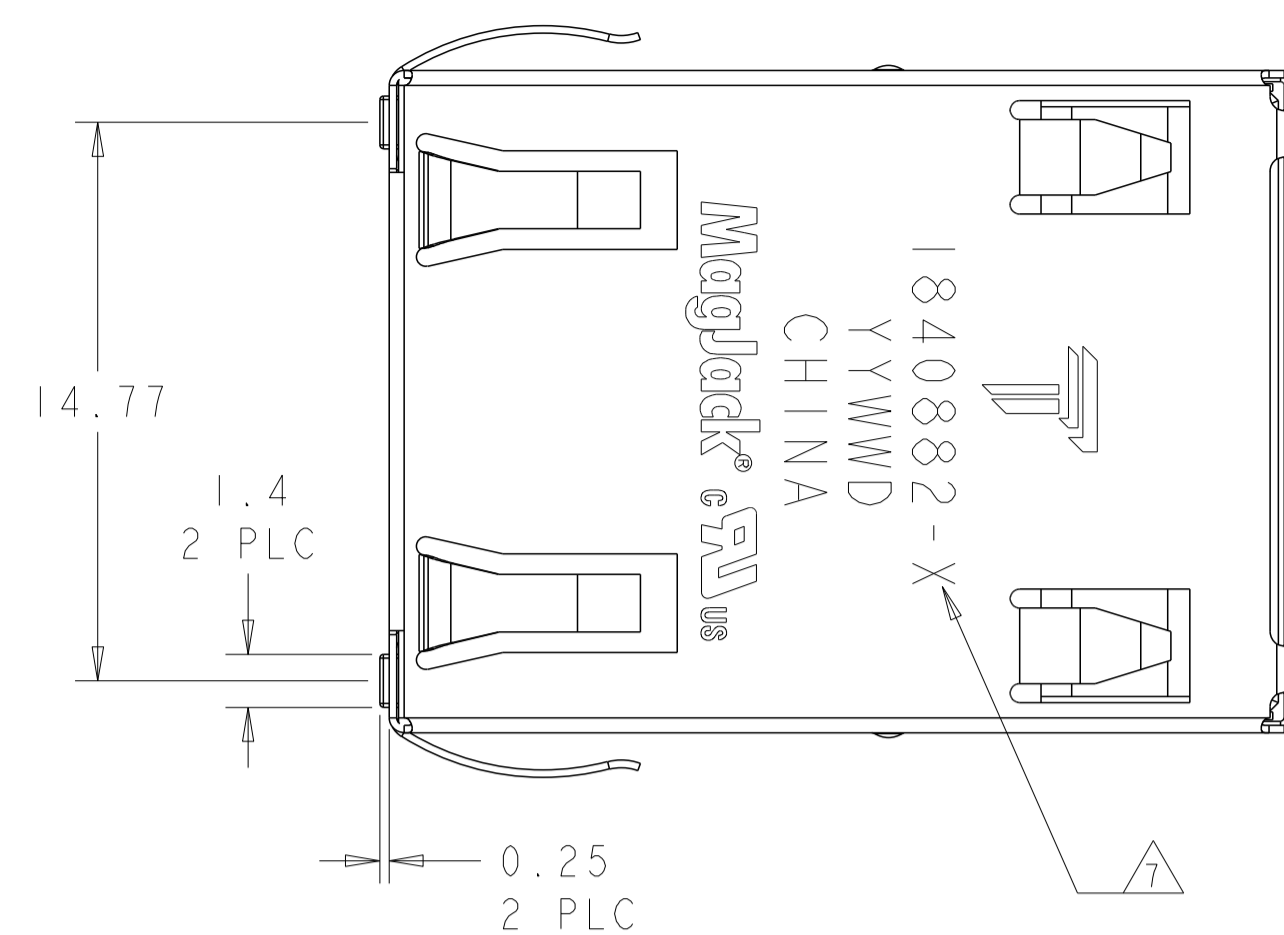
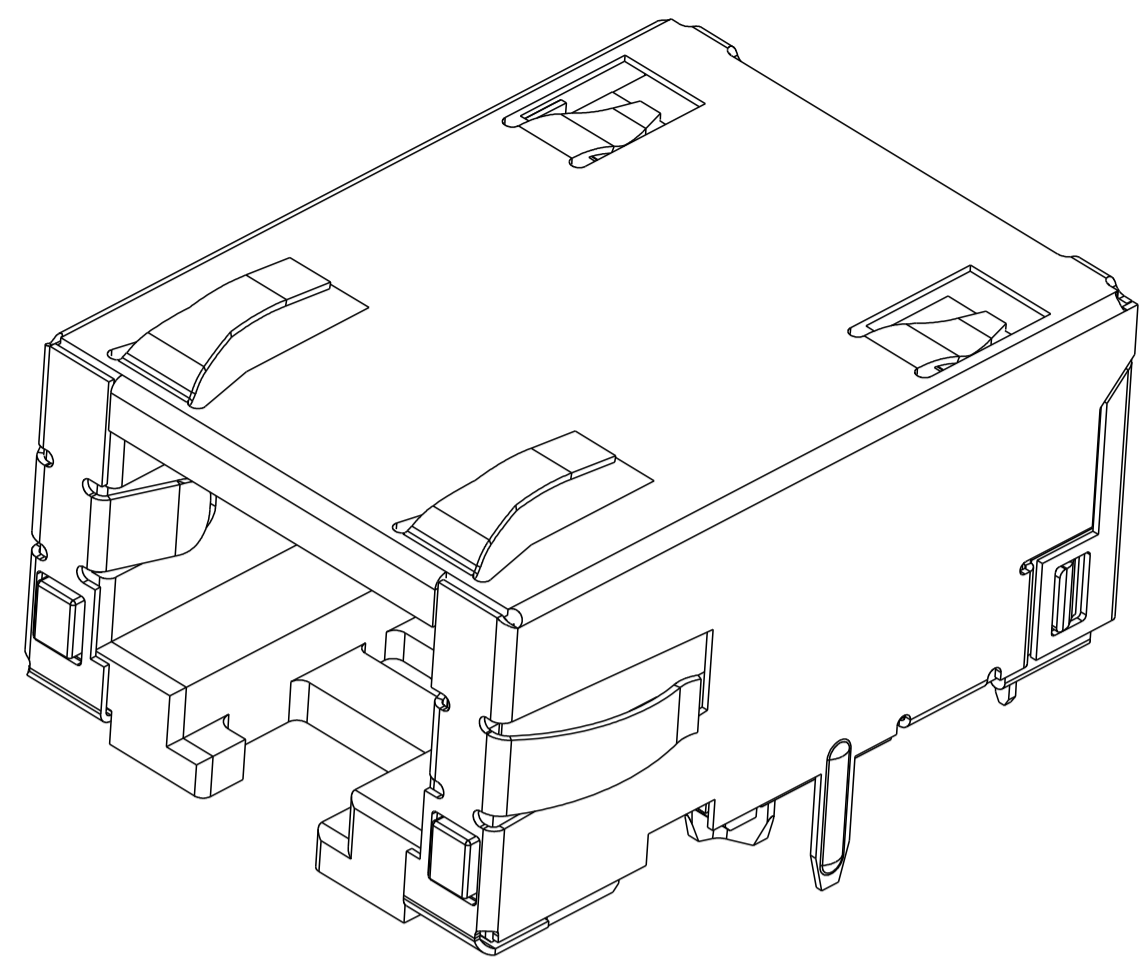
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

| REVISIONS | | | | |
|-----------|-----------|------------------------------------|-----|------|
| REV | DATE | DESCRIPTION | BY | APPV |
| D | 24APR2013 | LOGO CHANGE | TY | KZ |
| E | 08JAN2015 | COMPANY LOGO CHANGE AND EC-1409035 | TYR | TYN |



1. MATERIALS:
- HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
 - SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 0.76 um MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2 um MIN SAC ALLOY LEAD FREE SOLDER
 - CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, 3 um 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 PIPE: POLYETHER SULFONE

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 (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

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

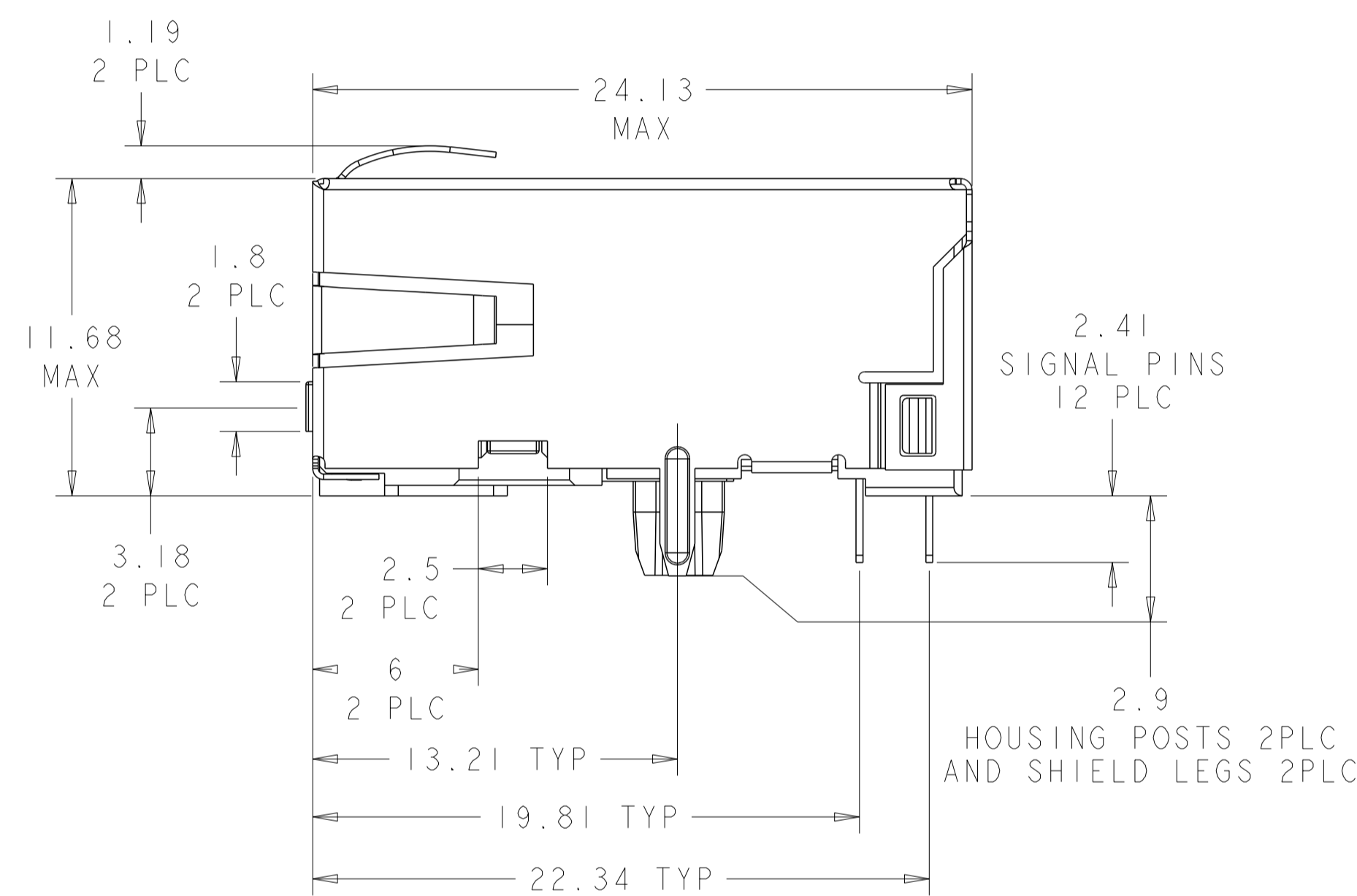
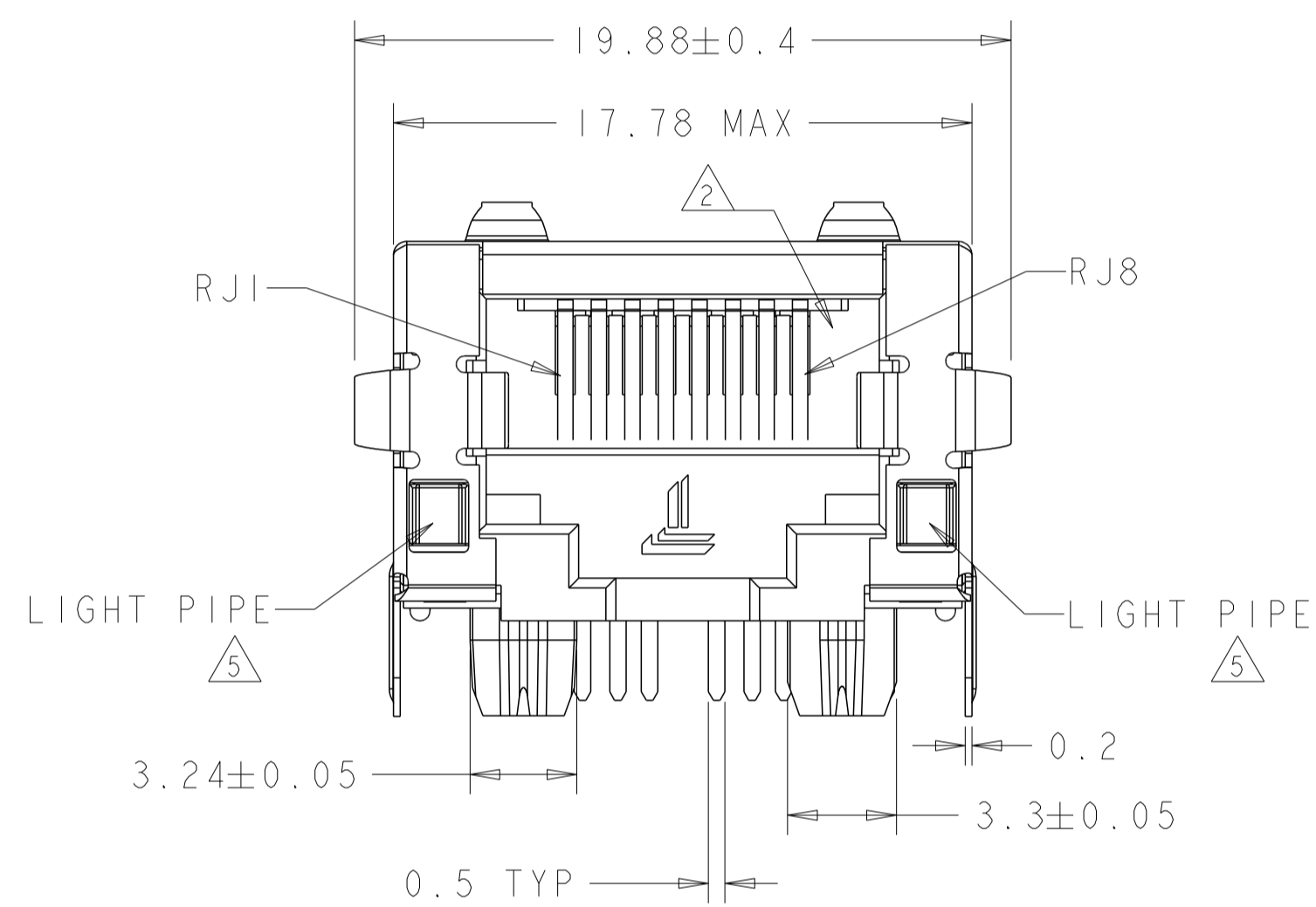
5. LIGHT PIPES ARE USED TO TRANSMIT LIGHT OF SMD LED'S MOUNTED ON CUSTOMER BOARD.

6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

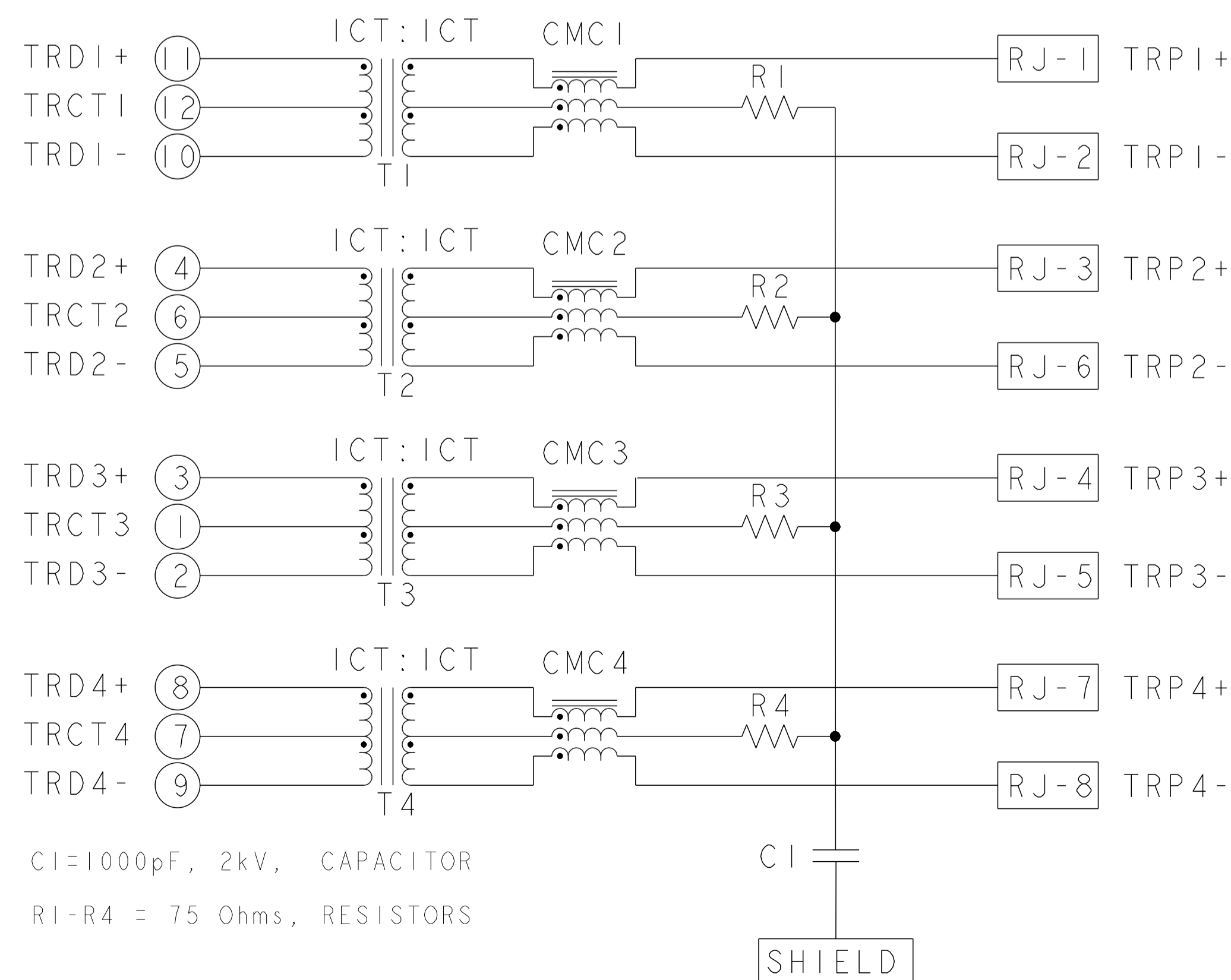
7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN

8. PART SHOULD BE COMPLIANT TO WAVE SOLDERING PROCESS ONLY, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

9. PART SHOULD BE COMPLIANT TO BOTH 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, AND IR REFLOW SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE 260°C MAX, DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-60 SECONDS.

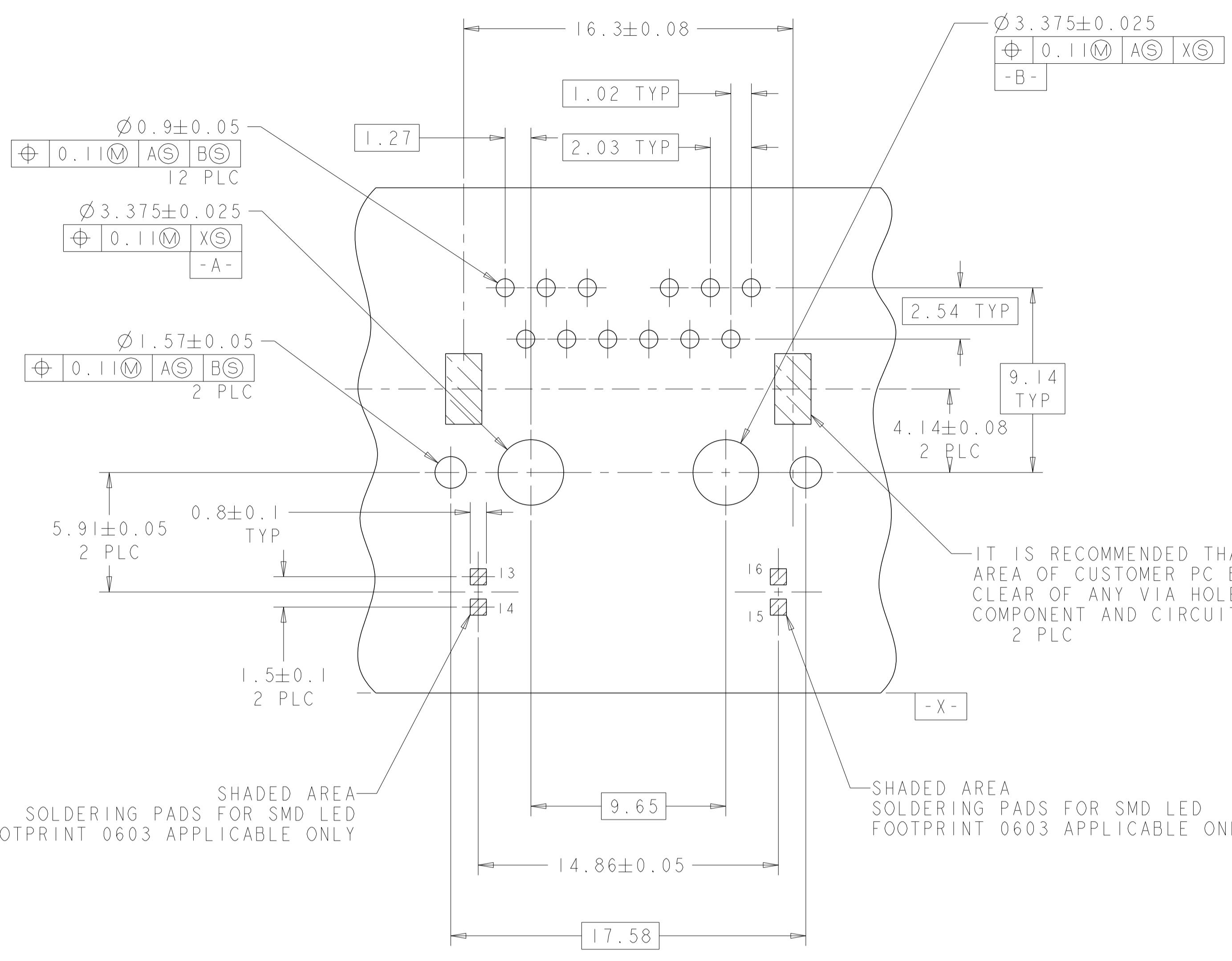


8G18 GIGABIT CIRCUIT 3 4

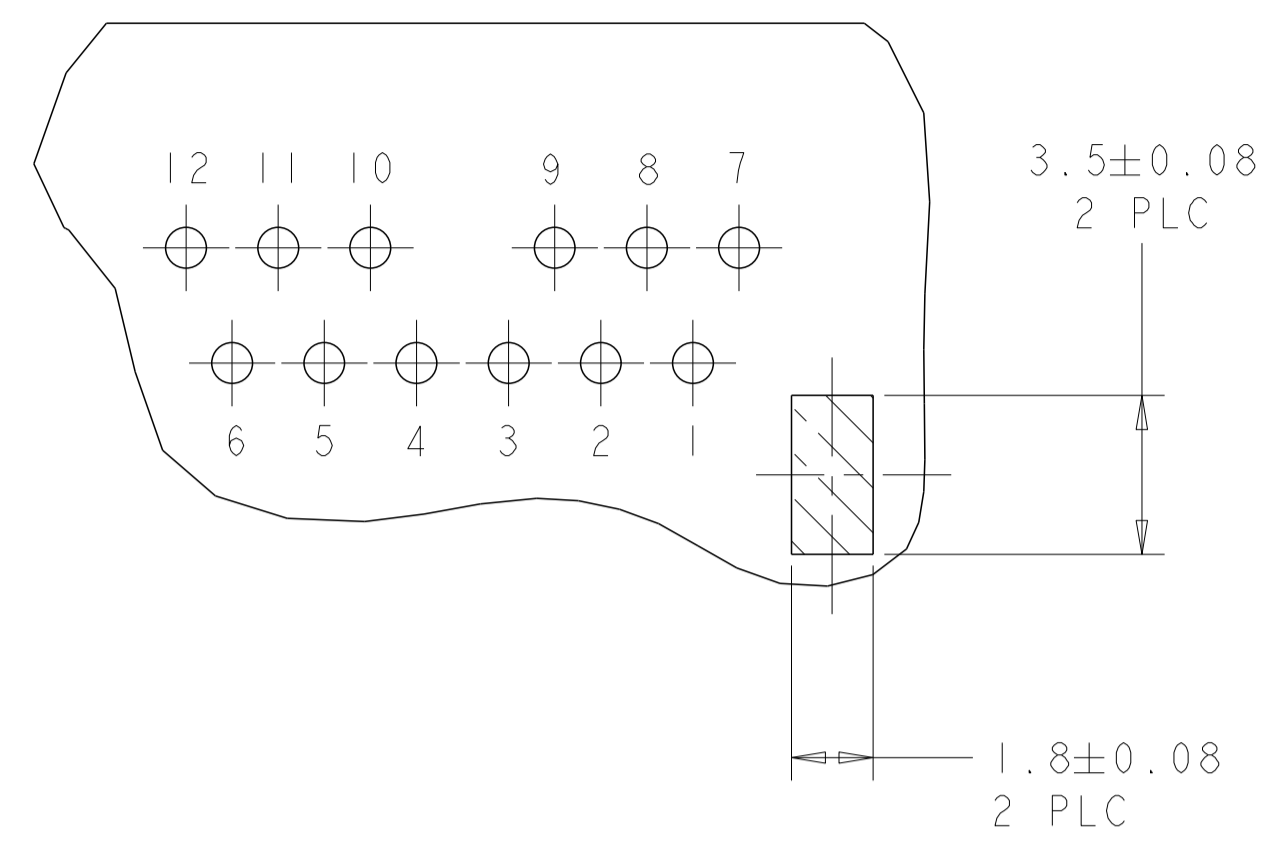


| | | |
|----------------|-----------|-----------|
| WAVE 8 | WITH TRAY | 1840882-2 |
| BOTH 9 | WITH REEL | 1840882-1 |
| SOLDER PROCESS | PACKAGE | PART NO. |

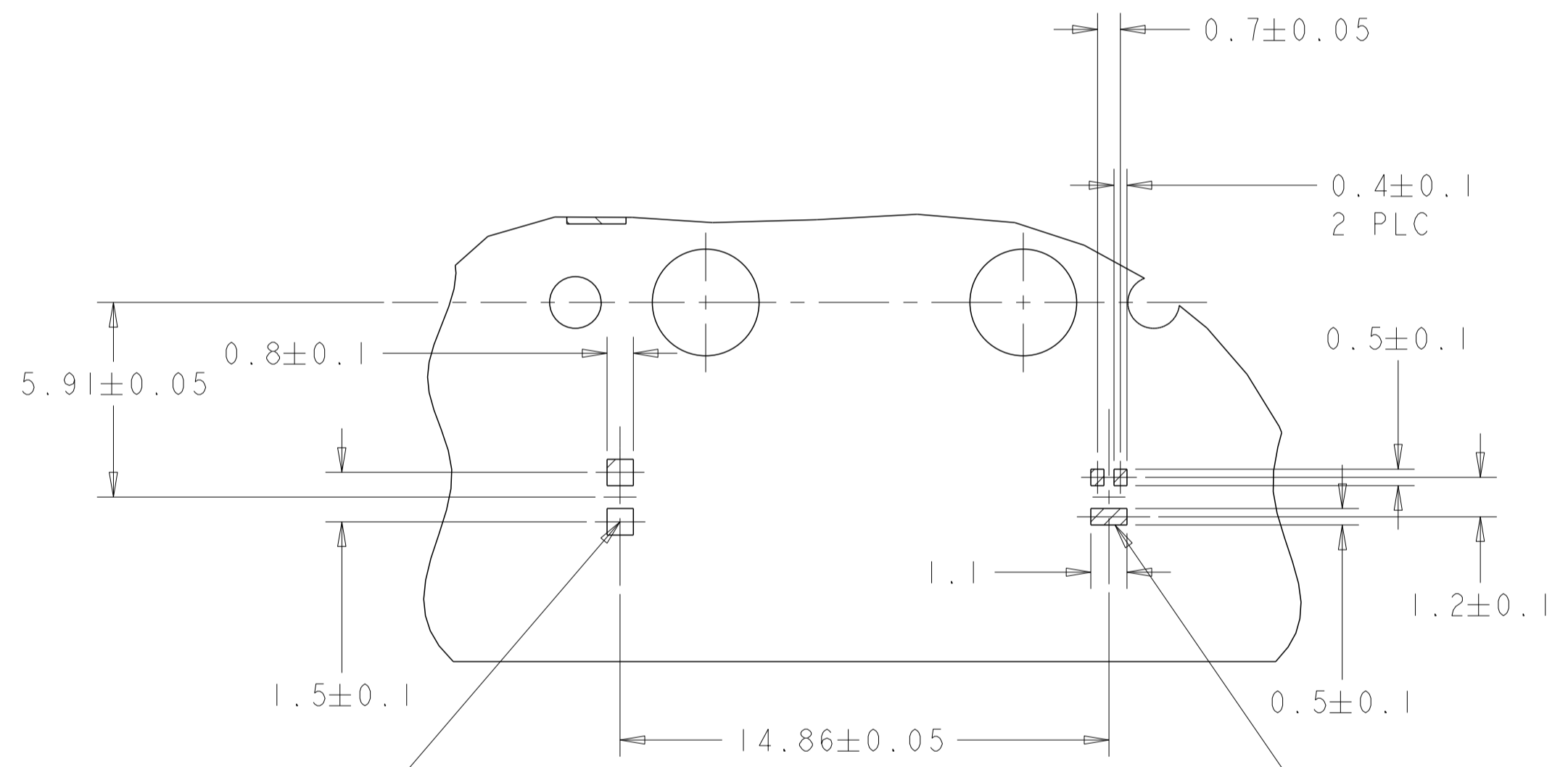
| | | | |
|--|--|-----------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN: ROY LIU/COLIN ZHOU 17NOV2010 | DONGGUAN CHINA |
| DIMENSIONS: mm | | CHK: TOWER YU 17NOV2010 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: HEI TH ZHU 17NOV2010 | a bel group |
| 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° | | MODEL NAME: MAGJACK | |
| PRODUCT SPEC: 108-2207 | | APPLICATION SPEC: - | DESC: 1X1 8G18 GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHT PIPE |
| SCALE: 5:1 | | SHEET: 1 OF 2 | REV: E |



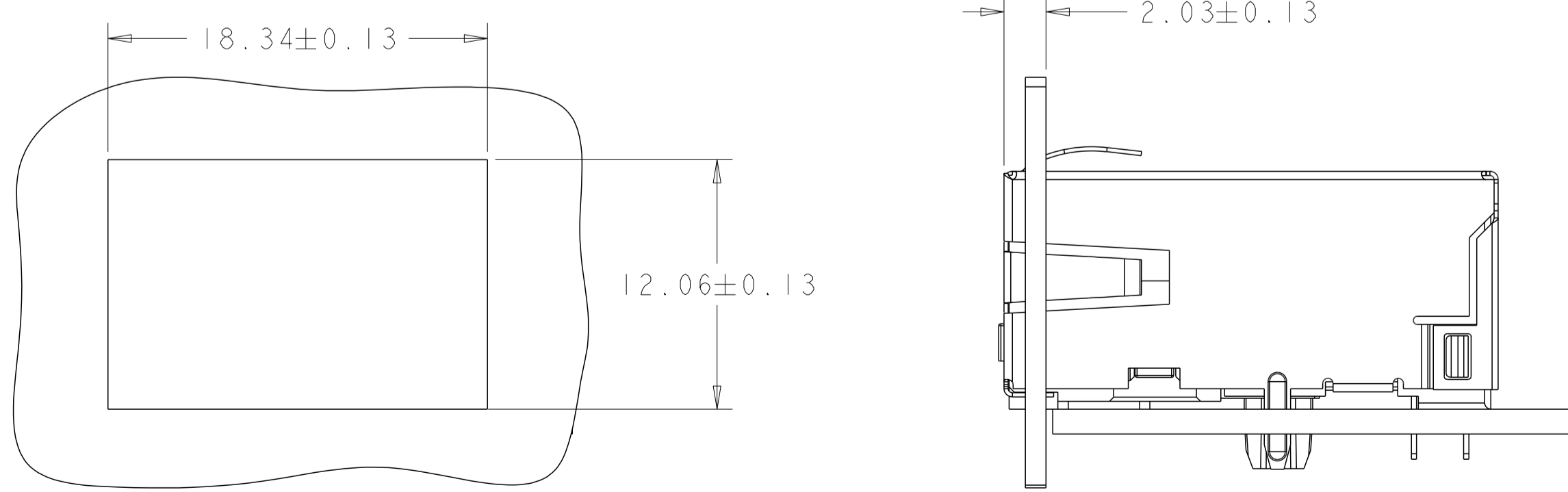
SUGGESTED PCB LAYOUT FOR SINGLE COLOR LED (COMPONENT SIDE)




PIN DESIGNATIONS



SUGGESTED PCB LAYOUT FOR BI-COLOR LED (COMPONENT SIDE)



SUGGESTED PANEL OPENING

| | | | | | |
|---|--|----------------------------------|--|---|----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN ROY LIU/COLIN ZHOU 17NOV2010 | |  trp CONNECTOR a bel group | DONGGUAN CHINA |
| DIMENSIONS: mm | | CHK TOWER YU 17NOV2010 | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD KEITH ZHU 17NOV2010 | | DESC IX1 8G18 GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHT PIPE | |
| 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ± | | MODEL NAME MAGJACK | | SIZE CAGE CODE DRAWING NO RESTRICTED TO | |
| PRODUCT SPEC 108-2207 | | APPLICATION SPEC | | A1 C=1840882 | |
| CUSTOMER DRAWING | | | | SCALE 5:1 SHEET 2 OF 2 REV E | |