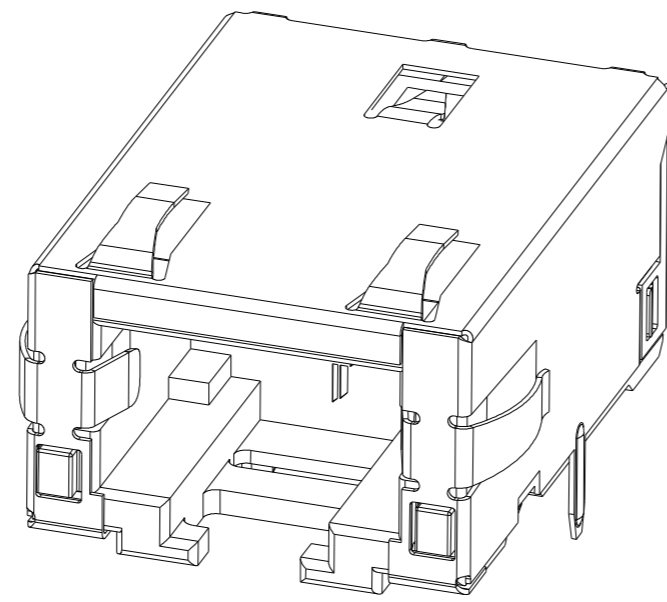
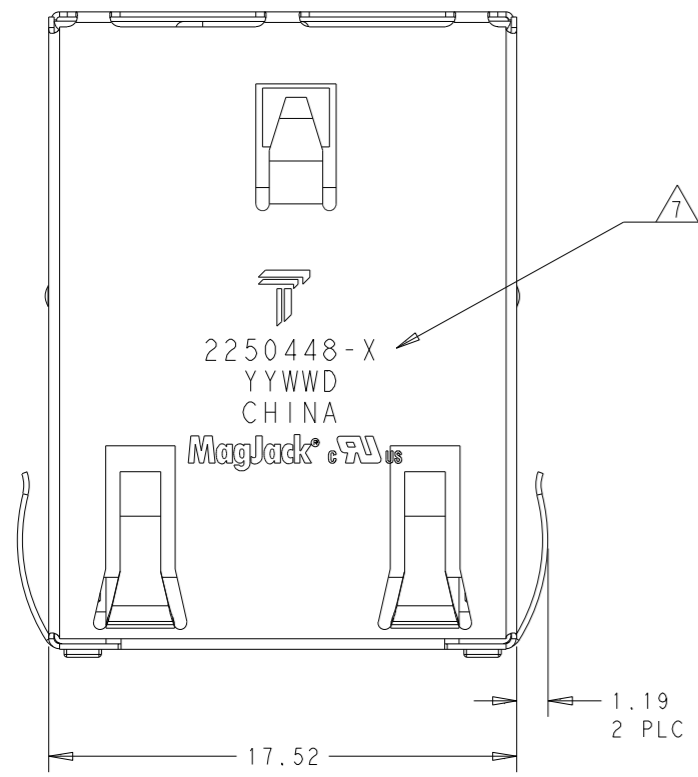


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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 | | | | |
|-----------|-----|----------------|-----------|----------|
| # | LTN | DESCRIPTION | DATE | OWN APVD |
| 2 | | SEE LAST SHEET | 02SEP2016 | DP TY |



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 TIN
 - CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 MIN GOLD PLATING AT MATING INTERFACE, 3 um MIN TIN PLATE ON SOLDER TAILS
 - MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 um 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: 1G/10G BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 160 uH MIN @ 100kHz, 0.1VRMS, FROM 0°C TO 70°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,

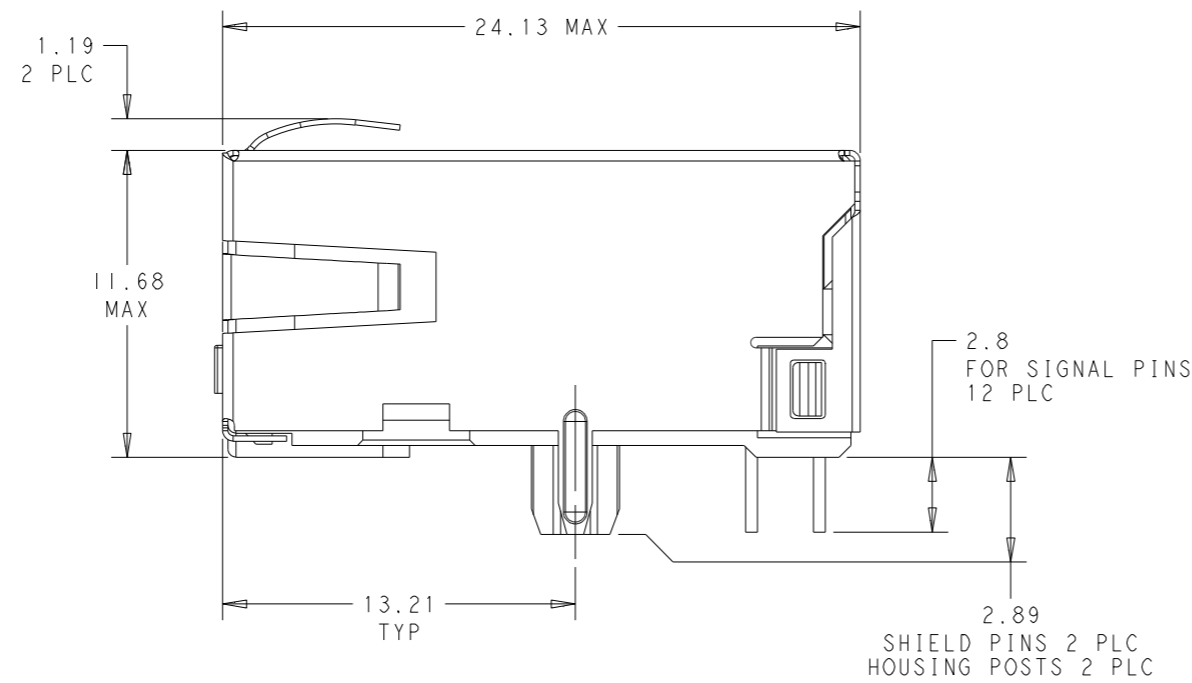
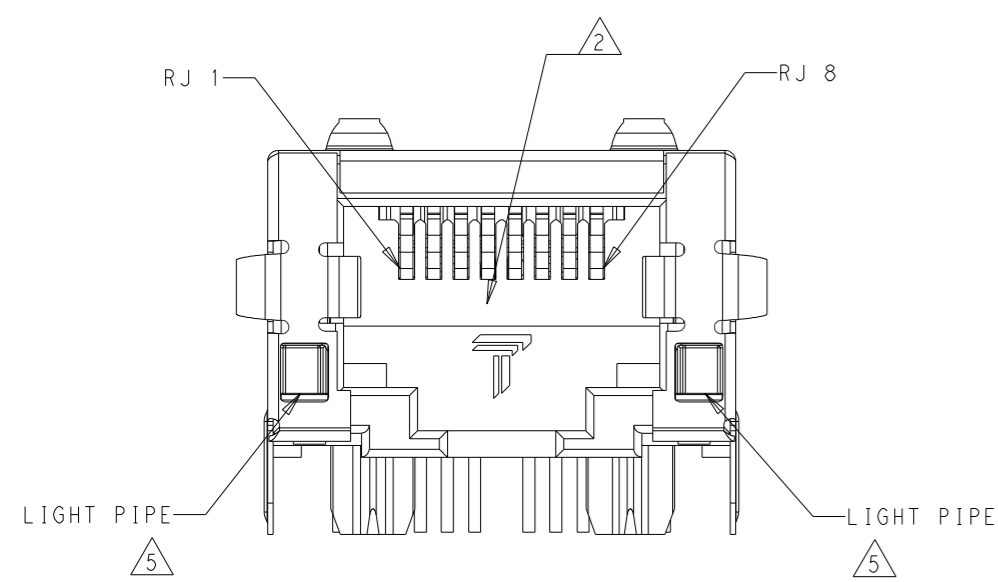
4. OPERATING TEMPERATURE: FROM 0°C TO 70°C

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

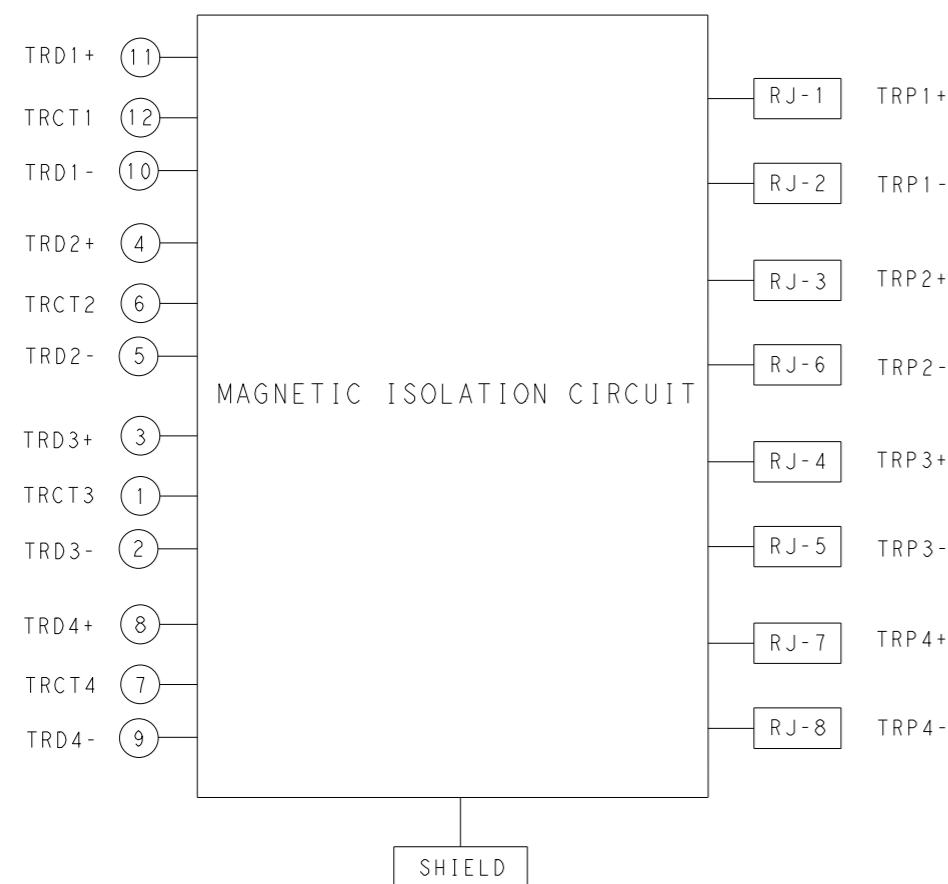
6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

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

8. THESE PARTS COMPLIANT 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



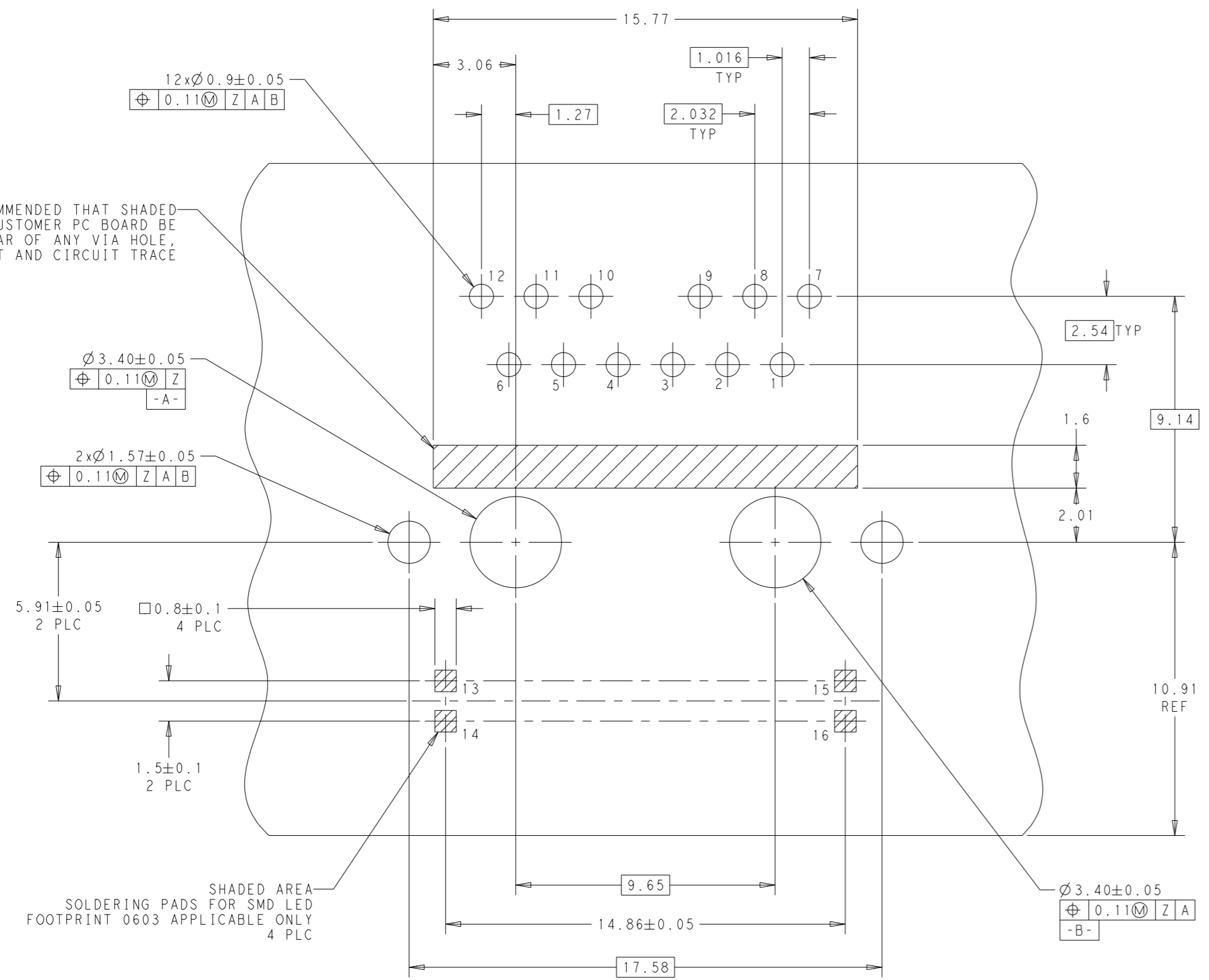
8TG13 10 GIGABIT CIRCUIT 3



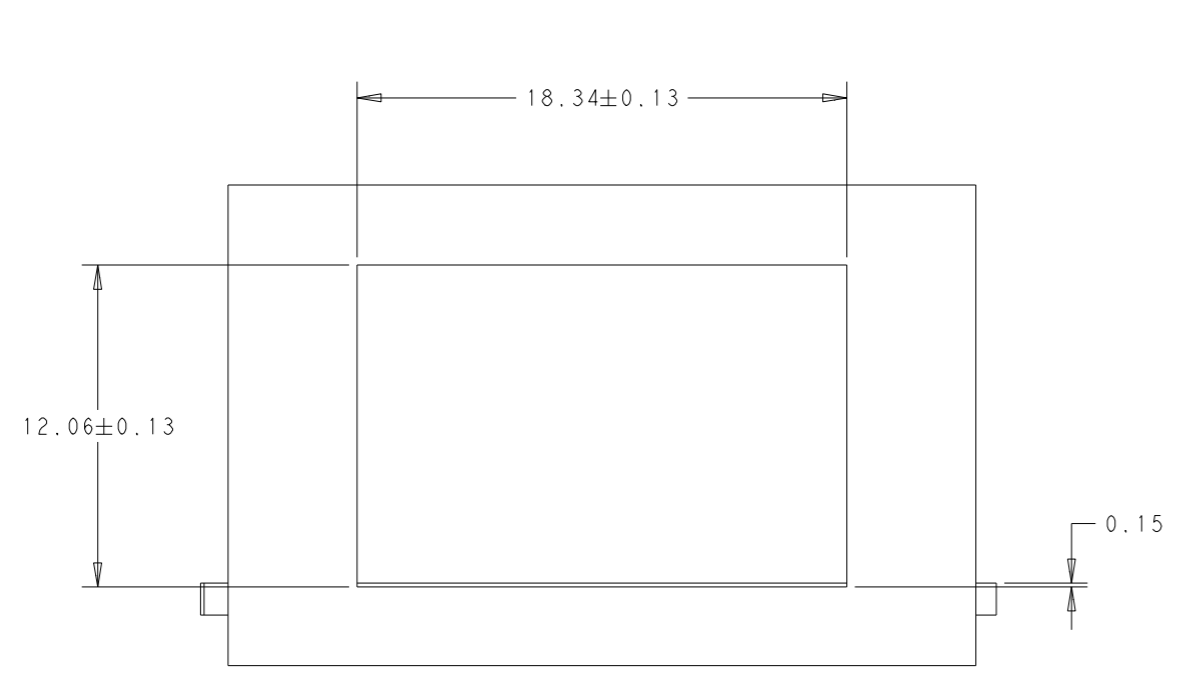
| | |
|----------------|-----------|
| TRAY | 2250448-1 |
| PACKAGE METHOD | PART NO. |

| | | | | | | | | | | | | | | | |
|--|------------------|--------------------------------------|----------------------|-------|-------|-------|-------|-------|---|-------|---|--------|---|---------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M | | OWN: DALE PAN / 29AUG2016 | DONGGUAN CHINA | | | | | | | | | | | | |
| DIMENSIONS: mm | | CHK: TOWER YU / BILL LIU / 29AUG2016 | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: TONY YUAN / 29AUG2016 | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>0 PLC</td> <td>±0.25</td> </tr> <tr> <td>1 PLC</td> <td>±0.25</td> </tr> <tr> <td>2 PLC</td> <td>±0.25</td> </tr> <tr> <td>3 PLC</td> <td>±</td> </tr> <tr> <td>4 PLC</td> <td>±</td> </tr> <tr> <td>ANGLES</td> <td>±</td> </tr> </table> | | 0 PLC | ±0.25 | 1 PLC | ±0.25 | 2 PLC | ±0.25 | 3 PLC | ± | 4 PLC | ± | ANGLES | ± | MODEL NAME: MAGJACK | DESC: 1X1 10G 8TG13 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 | ± | | | | | | | | | | | | | | |
| PRODUCT SPEC | APPLICATION SPEC | SIZE: A1 | RESTRICTED TO: - | | | | | | | | | | | | |
| CUSTOMER DRAWING | | SCALE: 5:1 | SHEET: 1 OF 3 REV: 2 | | | | | | | | | | | | |

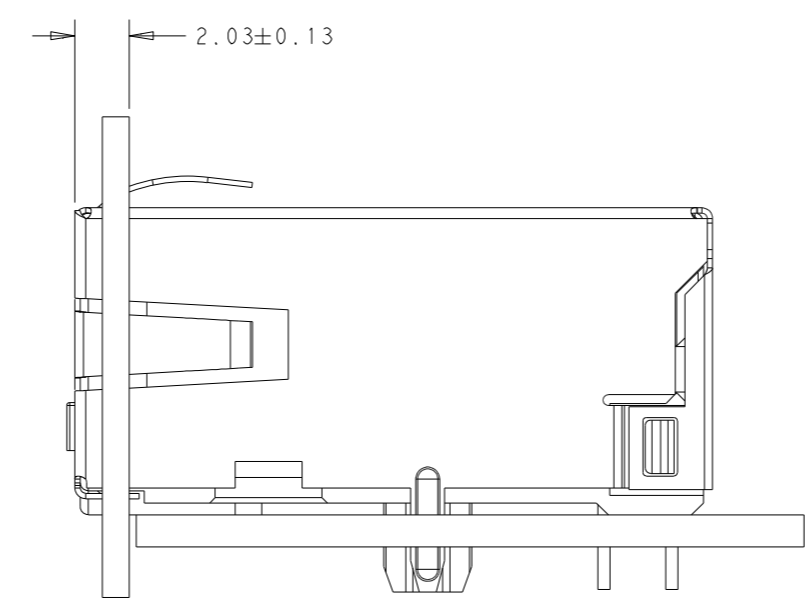
IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLE, COMPONENT AND CIRCUIT TRACE


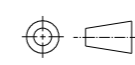


SUGGESTED PCB LAYOUT (COMPONENT SIDE)




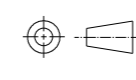
SUGGESTED PANEL CUTOUT



| | | | | |
|---|--|--|---|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M | | DWN DALE PAN/ 29AUG2016 CHK TOWER YU / BILL LIU 29AUG2016 APVD TONY YUAN 29AUG2016 |  trp CONNECTOR a bel group DONGGUAN CHINA | |
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: | MODEL NAME | DESC | RESTRICTED TO |
|  | 0 PLC ± 0.25 1 PLC ± 0.25 2 PLC ± 0.25 3 PLC \pm 4 PLC \pm ANGLES \pm | MAGJACK | 1X1 10G 8T G13 TAB DOWN LOW PROFILE NO LED W/ LIGHT PIPE | - |
| PRODUCT SPEC | APPLICATION SPEC | SINGLE NON-POE | SIZE CAGE CODE DRAWING NO A 1 C=2250448 | - |
| CUSTOMER DRAWING | | | SCALE 5:1 | SHEET 2 OF 3 REV 2 |

| C_2250448 | | | | | | 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) | |
| 29AUG2016 | 1 | INITIAL RELEASE | - | TY | - | - | - | - | |
| 02SEP2016 | 2 | ADD 4pcs EMI FINGERS ON OUTER SHIELD | CUSTOMER REQUEST | TY | - | - | - | - | |

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

| | | | | | | |
|---|---|-----------------------------|--|---------------------------------|---|--------------------|
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DWN DALE PAN / 29AUG2016 | CHK TOWER YU / BILL LIU / 29AUG2016 | APPROV TONY YUAN / 29AUG2016 |  trp CONNECTOR a bel group | DONGGUAN CHINA |
|  | 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± | MODEL NAME MAGJACK | DESC IXI 10G 8TG13 TAB DOWN LOW PROFILE NO LED W/ LIGHT PIPE | SIZE A 1 | CAGE CODE C=2250448 | RESTRICTED TO - |
| PRODUCT SPEC - | APPLICATION SPEC - | SINGLE NON-POE | | CUSTOMER DRAWING | SCALE 5:1 | SHEET 3 OF 3 |
| | | | | REV 2 | | |