

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 |     |                 |           |     |
|-----------|-----|-----------------|-----------|-----|
| #         | LTR | DESCRIPTION     | DATE      | DWN |
| 1         |     | INITIAL RELEASE | 21JUN2022 | TRY |
| 2         |     | SEE LAST SHEET  | 12JUL2022 | TRY |
| 3         |     | SEE LAST SHEET  | 17DEC2025 | TRY |

- △ MATERIALS:
- HOUSING: THERMOPLASTIC FLAMMABILITY, RATING, UL 94V-0
  - SHIELD: STAINLESS STEEL 0.15mm THICK, PREPLATED WITH 0.76 um MIN SEMI-BRIGHT NICKEL; SOLDER TABS POST PREPLATED WITH 3um TIN.
  - MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27um 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.

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

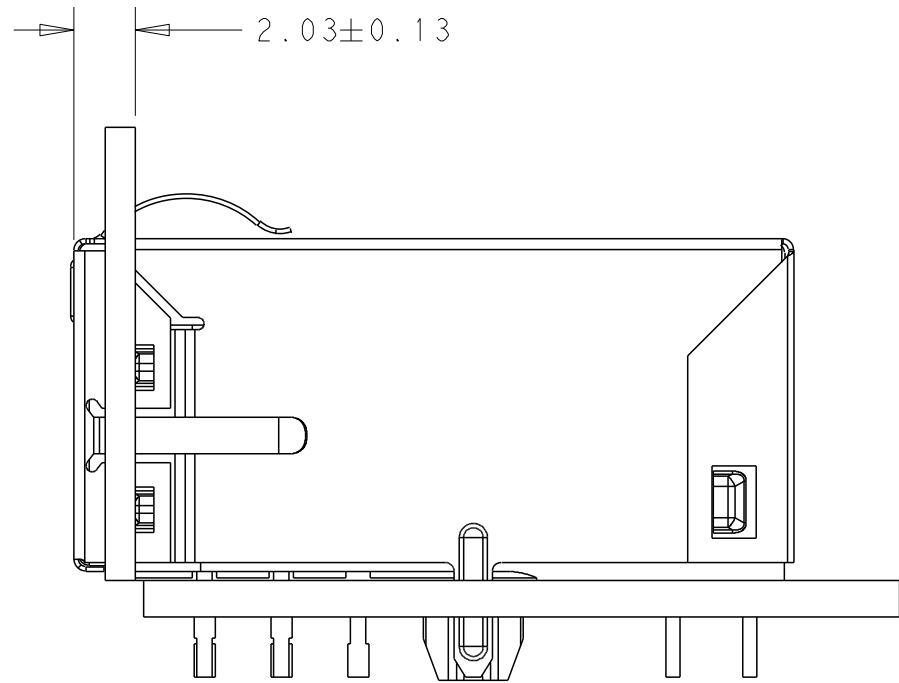
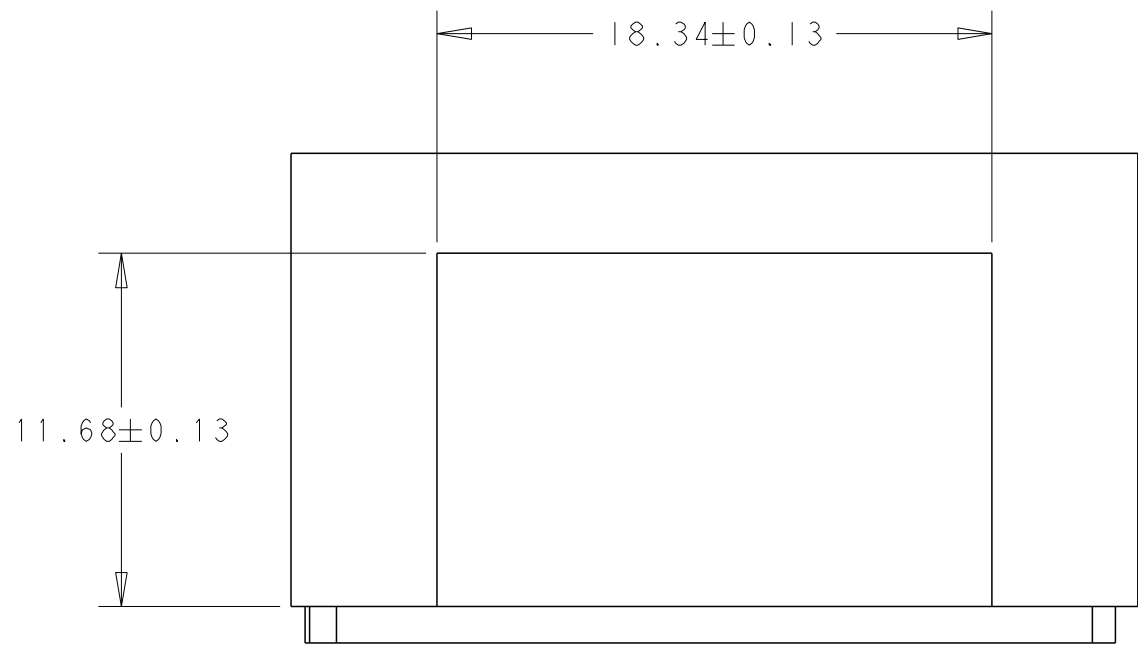
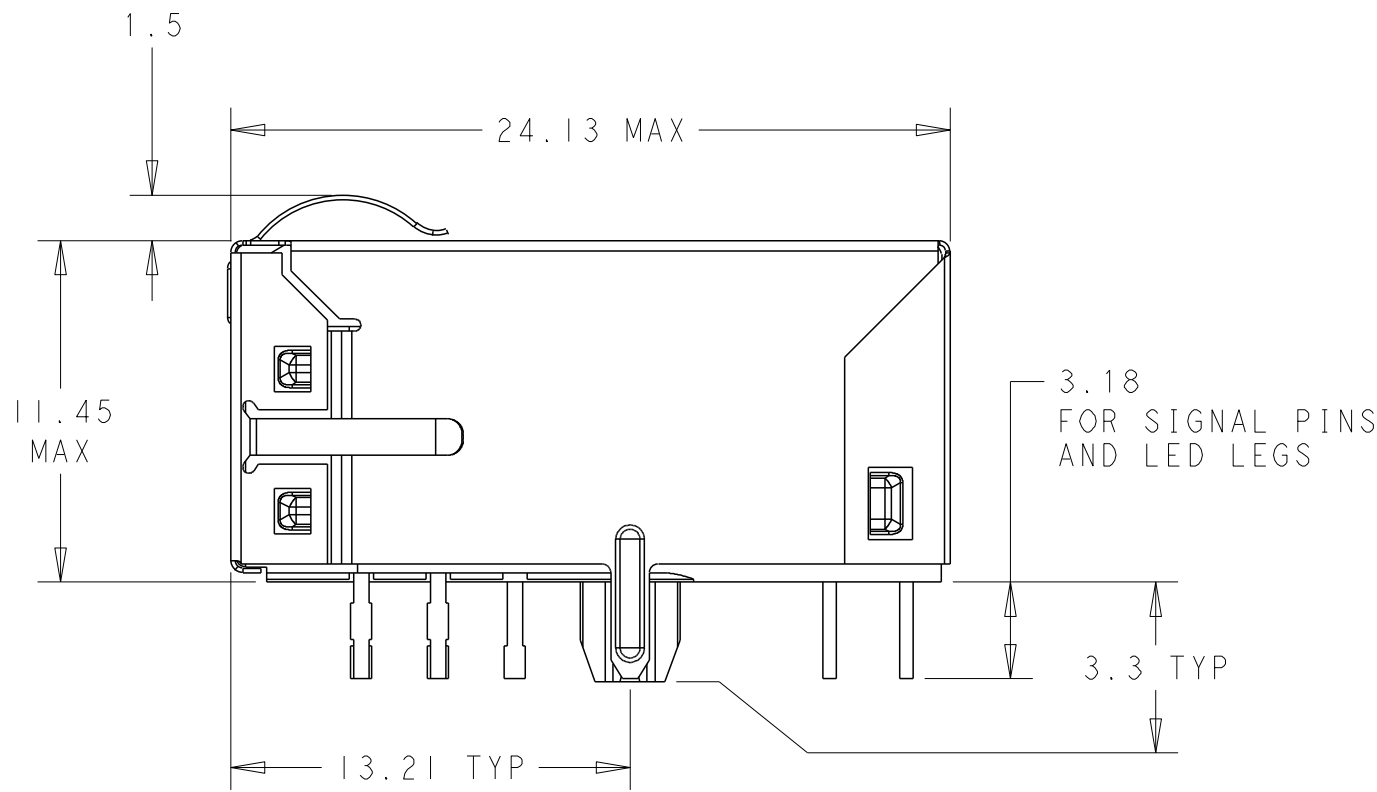
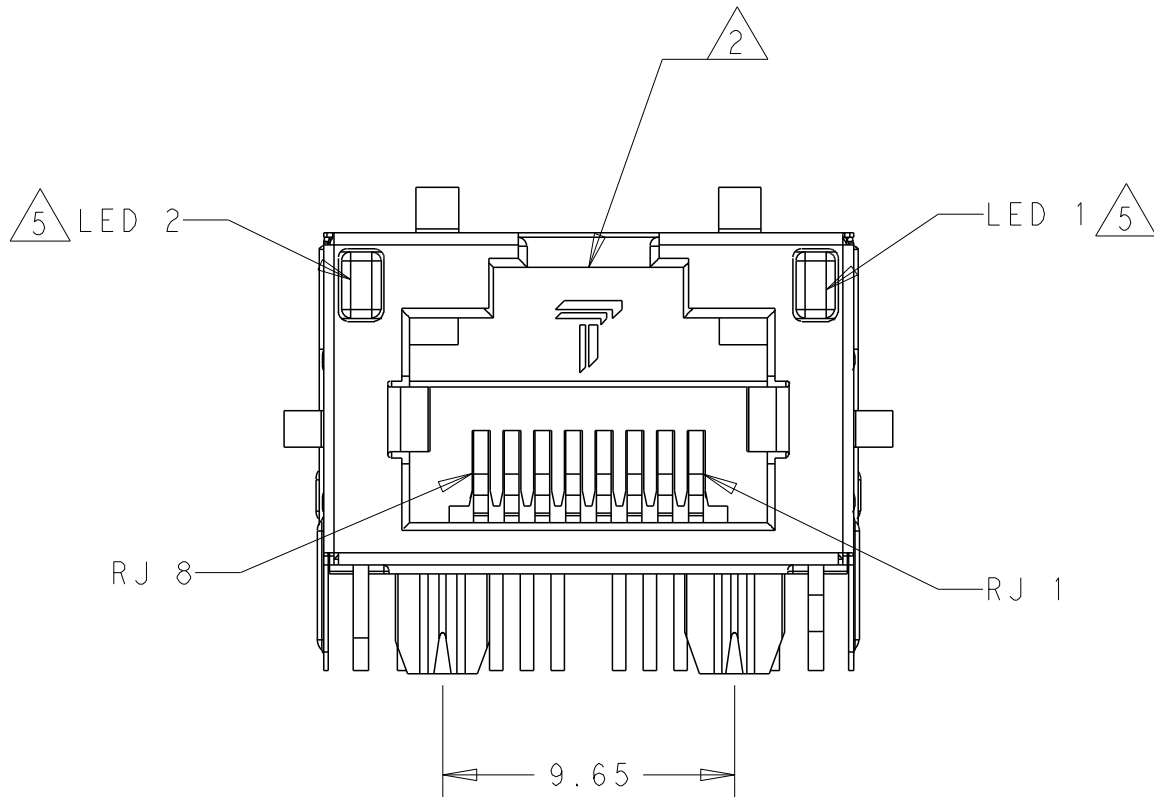
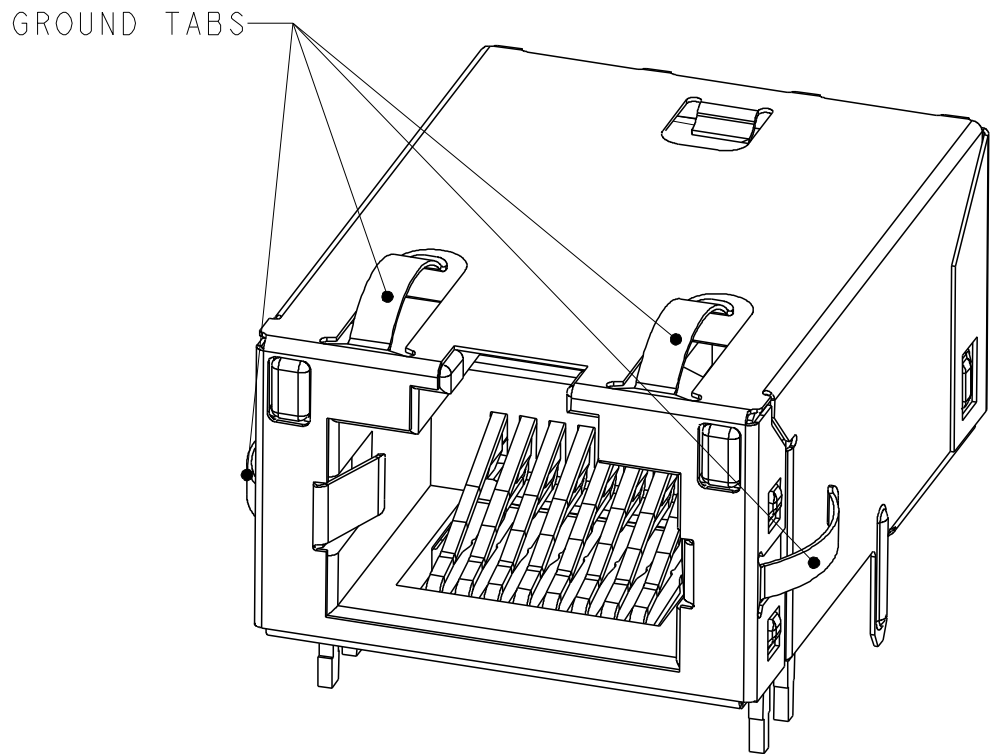
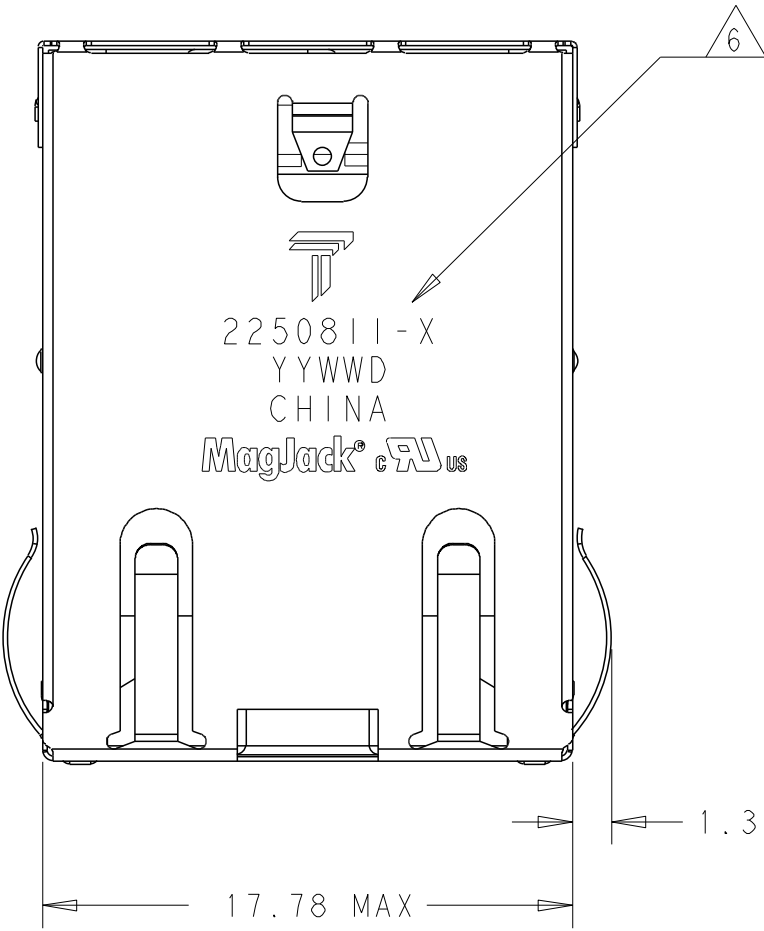
- △ MAGNETICS:
- APPLICATION: 1G/10G BASE-T EXTENDED TEMPERATURE
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
  - OPEN CIRCUIT INDUCTANCE (OCL): 160uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO 85°C, ALL FOUR PAIRS
  - ALL FOUR PAIRS BI-DIRECTINAL
  - PERFORMANCE @ 25°C: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

- △ OPERATING TEMPERATURE: FROM -40°C TO 85°C

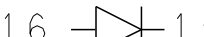
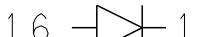
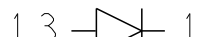
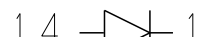
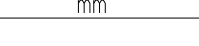
- △ LED IS WITH CONSTANT CURRENT AT APPROX 20mA.
- LED COLOR: DONINANT WAVELENGTH(λD), GREEN = 568±5nm TYP. at IF=20mA  
FORWARD VOLTAGE(VF), GREEN 2.2V TYP. at IF=20mA.  
DONINANT WAVELENGTH(λD), YELLOW = 588±5nm TYP. at IF=20mA  
FORWARD VOLTAGE(VF), YELLOW 2.1V TYP. at IF=20mA.

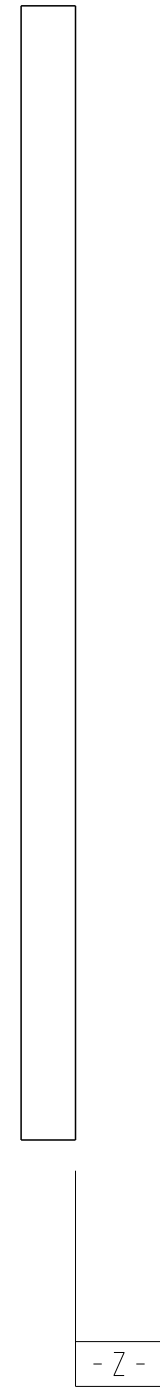
- △ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

- △ THESE PARTS ARE 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



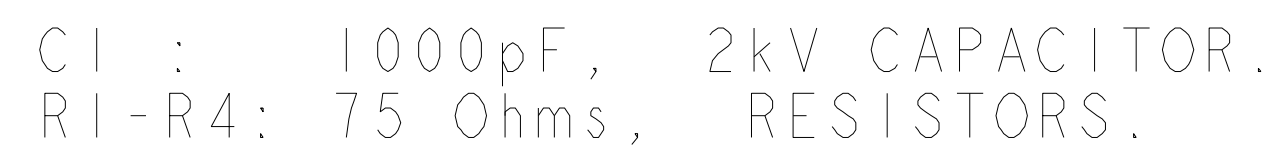
SUGGESTED PANEL CUTOUT

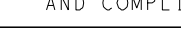
|                                                                                       |                   |                                                                                                                                           |                                                                                                                                |                                                                                             |                                                                                                                              |                                                                                             |                |
|---------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------|
| TRAY                                                                                  | WAVE SOLDERING    |                                                      | YELLOW                                                                                                                         | GREEN                                                                                       | -                                                                                                                            | GREEN                                                                                       | 2250811-1      |
| PACKAGE METHOD                                                                        | SOLDERING PROCESS |                                                                                                                                           | 16  15                                    | 16  17 | 13  14                                  | 14  13 | PART NO.       |
|                                                                                       |                   |                                                                                                                                           | LED 2                                                                                                                          |                                                                                             | LED 1                                                                                                                        |                                                                                             |                |
| THIS DRAWING IS A CONTROLLED DOCUMENT.<br>AND COMPLIANT TO ASME Y14.5M                |                   |                                                                                                                                           | DWN: TOWER YU / 21JUN2022<br>CHK: BILL LIU / 21JUN2022<br>APVD: TONY YUAN / 21JUN2022<br>MODEL NAME: MAGJACK<br>SINGLE Non-PoE |                                                                                             | <br><b>trp</b> CONNECTOR<br>a bel group |                                                                                             | DONGGUAN CHINA |
| DIMENSIONS:<br>mm                                                                     |                   | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±0.25<br>1 PLC ±0.25<br>2 PLC ±0.25<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±<br>APPLICATION SPEC |                                                                                                                                | DESC: 1X1 1TG27ET 10G EXTENDED TEMPERATURE<br>TAB UP LOW PROFILE W/ LED                     |                                                                                                                              | RESTRICTED TO                                                                               |                |
|  |                   |                                                                                                                                           |                                                                                                                                | SIZE: A1 CAGE CODE: C=2250811 DRAWING NO                                                    |                                                                                                                              | -                                                                                           |                |
| PRODUCT SPEC<br>108-104004                                                            |                   |                                                                                                                                           |                                                                                                                                | CUSTOMER DRAWING                                                                            |                                                                                                                              | SCALE: 4:1 SHEET 1 OF 3 REV: 3                                                              |                |



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|                                                                        |  |                                                                                                                            |  |                                                                                                      |  |
|------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.<br>AND COMPLIANT TO ASME Y14.5M |  | DWN: TOWER YU / XENIA WANG 21JUN2022<br>CHK: BILL LIU 21JUN2022<br>APPD: TONY YUAN 21JUN2022                               |  |  DONGGUAN CHINA |  |
| DIMENSIONS:<br>mm                                                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±0.25<br>1 PLC ±0.25<br>2 PLC ±0.25<br>3 PLC ±0.25<br>4 PLC ±<br>ANGLES ±° |  |                 |  |
| MODEL NAME:<br>MAGJACK                                                 |  | DESC: 1X1 ITG2TET 10G EXTENDED TEMPERATURE<br>TAB UP LOW PROFILE W/ LED                                                    |  | SIZE: A1                                                                                             |  |
| PRODUCT SPEC:<br>108-104004                                            |  | APPLICATION SPEC:<br>-                                                                                                     |  | DRAWING NO: C=2250811                                                                                |  |
| CUSTOMER DRAWING                                                       |  | SCALE: 4:1                                                                                                                 |  | SHEET 2 OF 3 REV 3                                                                                   |  |

| 2250811_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<br>(A,B,C,D,E,F) | WORK<br>IN PROCESS<br>(A,B,C,F) | SUPPLIER<br>ORDERS<br>(A,E,F) | OPEN CUST<br>ORDERS<br>(A,E,F) |
| 21JUN2022        | 1   | INITIAL RELEASE                         | -                  | TONY YUAN | -                          | -                               | -                             | -                              |
| 12JUL2022        | 2   | SHEET 1, A3, TITLE BLOCK: DELETE REFLOW | CORRECT ERROR      | TONY YUAN | -                          | -                               |                               | -                              |
| 17DEC2025        | 3   | SHEET 2, C6-C7: REMOVE THE SHADED AREA  | CORRECT VIEW ERROR | TONY YUAN | A                          | A                               | A                             | A                              |