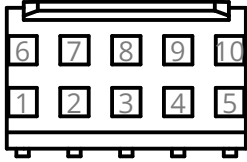


Power supply socket KK2 (male)

| Pin No. | Symbol    | Function                        |
|---------|-----------|---------------------------------|
| 1       | PTCC SUP+ | TEC controller supply input (+) |
| 2       | PTCC SUP- | TEC controller supply input (-) |



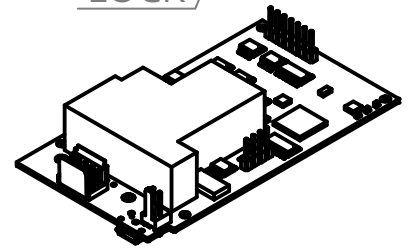
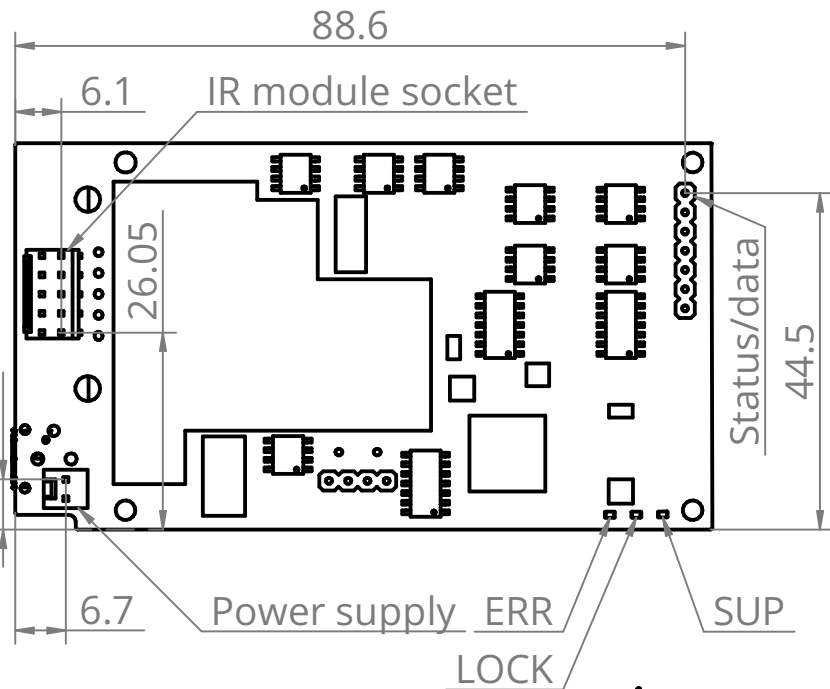
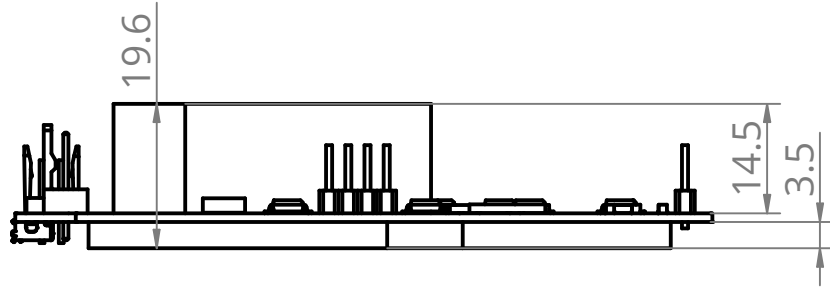
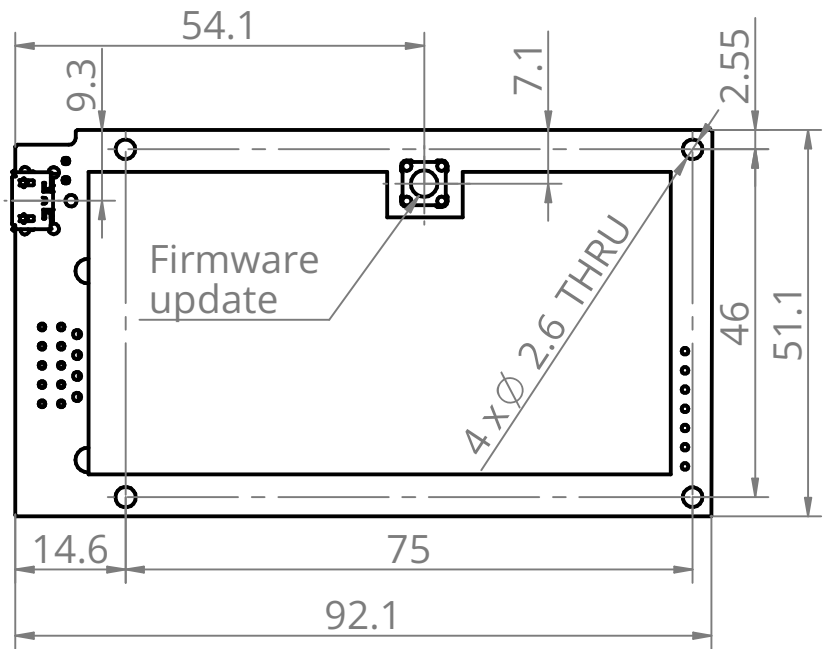
IR module power supply, TE cooler, thermistor and fan socket DUBOX 2x5 (male)

| Pin No. | Symbol | Function                                                    |
|---------|--------|-------------------------------------------------------------|
| 1       | TEC+   | TEC supply output (+)                                       |
| 2       | TEC-   | TEC supply output (-)                                       |
| 3       | GND    | IR module power supply ground                               |
| 4       | TH1    | Thermistor input (1)                                        |
| 5       | TH2    | Thermistor input (2)                                        |
| 6       | -Vsup  | IR module power supply output (-)                           |
| 7       | +5 V   | Fan and programmable preamp internal logic auxiliary supply |
| 8       | DATA   | Bidirectional data port                                     |
| 9       | +Vsup  | IR module power supply output (+)                           |
| 10      | GND-SH | Shield                                                      |



Status/data pin-header 1x7 (male)

| Pin No. | Symbol   | Function                                |
|---------|----------|-----------------------------------------|
| 1       | ERR-LED  | Error indicator                         |
| 2       | LOCK-LED | Temperature control loop lock indicator |
| 3       | SUP-LED  | Module power supply on indicator        |
| 4       | 3.3 V    | Auxiliary supply                        |
| 5       | TXD      | Transmitted data (RS-232)               |
| 6       | GND      | Common (signal) ground (RS-232)         |
| 7       | RXD      | Received data (RS-232)                  |



UNIT: mm  
GENERAL TOLERANCE:  
ISO 2768-mK

Scale  
1:1

Sheet  
1/1

Size  
A4

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Date  
20.03.2024

Drawing No.  
PTCC-01-OEM

Rev.  
2

Title  
PTCC-01-OEM TEC controller

