

## Product Outline: TK-SPA101WS-01, 10.1inch-wide PCAP Touch Module

| Item           | Specification                |                           |            |
|----------------|------------------------------|---------------------------|------------|
|                | Display Size<br>(Resolution) | Touch Panel<br>Technology | Series     |
| TK-SPA101WS-01 | 10.1" (WSVGA)                | PCAP                      | Simple set |

### 1 Assembly

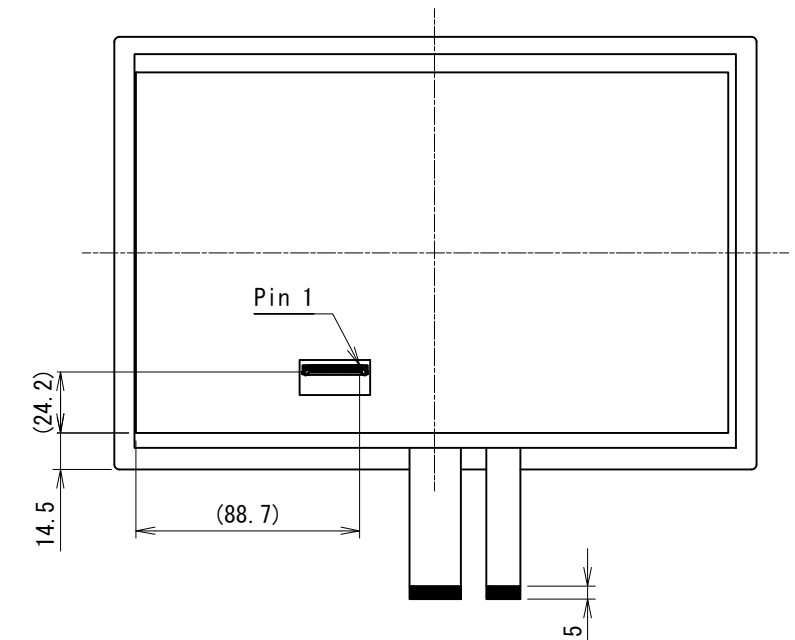
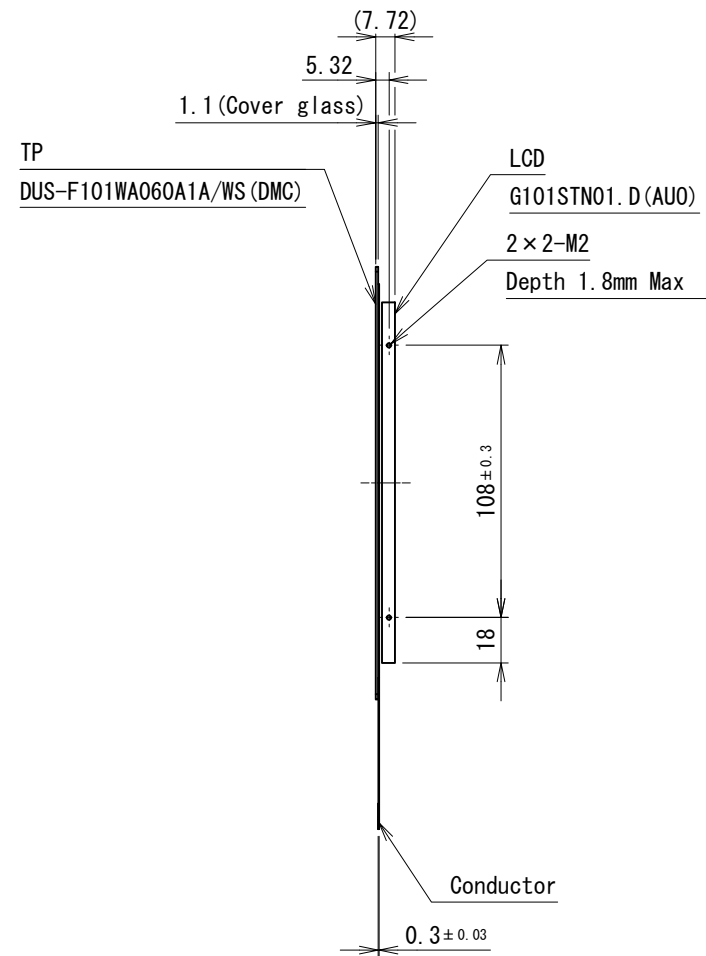
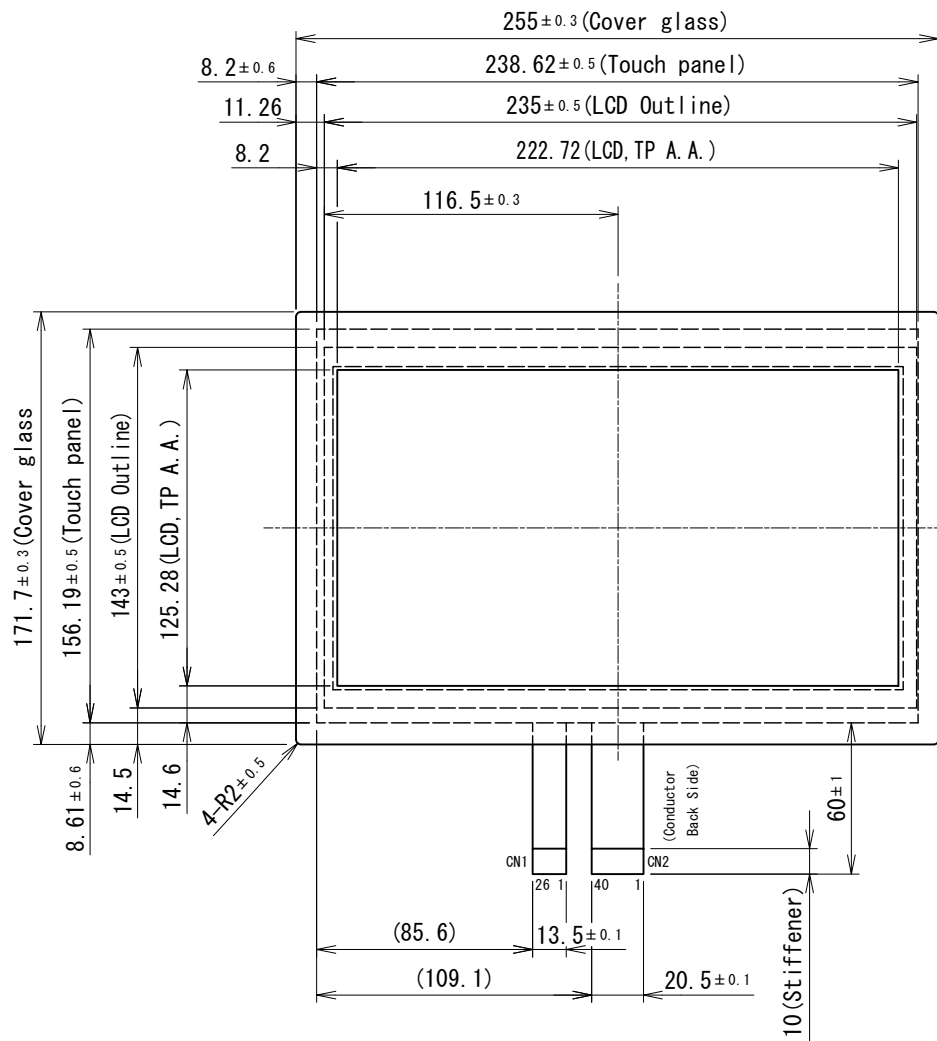
| Item             | Specification | Manufacturer | Product model       |
|------------------|---------------|--------------|---------------------|
| LCD              | 10.1"         | AUO          | G101STN01.D         |
| Touch Panel      | PCAP          | DMC          | DUS-F101WA060A1A/WS |
| Touch Controller | -             | DMC          | DUS1200             |

### 2 Outline Specifications

| Item             |   | Specification                           | Unit                  |      |
|------------------|---|---|-----------------------|------|
| Display          | Display Device  | 10.1" TFT LCD                           | -                     |      |
|                  | Display Area (Active Area)                              | 222.72(W)×125.28(H)                     | mm                    |      |
|                  | Resolution  | 1024(W)×600(H)                          | -                     |      |
|                  | Pixel Pitch   | 0.2175(W)×0.2088(H)                     | mm                    |      |
|                  | Support Color   | 262K/16.7M                              | color                 |      |
|                  | Luminance (Typ.)  | 450 (LCD only)<br>390(With touch panel) | cd/m <sup>2</sup>     |      |
|                  | Viewing Angle (Typ.)                                    | Vertical                                | 60 / 60 (Upper/Lower) | deg. |
|                  |   | Horizontal                              | 70 / 70 (Left/Right)  |      |
|                  | Interface   | LVDS (18/24bit)                         | -                     |      |
|                  | Backlight   | LED, Backlight driver included          | -                     |      |
| Backlight life*1 | Min 50,000  | hour                                    |                       |      |
| Touch panel      | Touch Panel Technology                                  | Projected capacitive touch panel        | -                     |      |
|                  | Input   | Finger                                  | -                     |      |
|                  | Number of Multi-touch Points                            | 5 points                                | -                     |      |
|                  | I/F   | USB 2.0                                 | -                     |      |
|                  | Supported OS  | Windows XP/7/8/8.1/10(DMT-DD)<br>Linux  | -                     |      |
|                  | Operating Life (Input by finger)                        | 50 million                              | time                  |      |
| Module           | Bonding Method  | Air-gap bonding                         | -                     |      |
|                  | External Dimensions<br>(Protruding parts not included.) | 255(W)×171.7(H)×7.72(D)                 | mm                    |      |
|                  | Operating Temperature                                   | -10~60                                  | °C                    |      |

\*1 The time until the backlight brightness decreases to 50% of the initial value when it is continuously lit with the maximum brightness under the ambient temperature of 25°C.

|     |             |                     |             |                |
|-----|-------------|---------------------|-------------|----------------|
| SYM | 改訂日<br>DATE | 改訂内容<br>DESCRIPTION | ページ<br>PAGE | 担当<br>DESIGNED |
|     | 2021.03.26  | 新規図面登録              | -           | M.Mitani       |



- NOTES
1. タッチ方式：投影型静電容量方式
  2. カバ-ガラス：厚さ1.1mm
  3. LCD Connector：IPEX 20455-040E-12R (IPEX or compatible)
  4. 指示無き寸法公差は、±0.5mmとする。

|                 |             |               |                 |             |                         |                        |                           |
|-----------------|-------------|---------------|-----------------|-------------|-------------------------|------------------------|---------------------------|
| 製図日<br>ISSUED   | 2021.03.26  | 部署<br>SECTION | Technical Dept. | 尺度<br>SCALE | CAD登録名<br>CAD FILE NAME | OUTLINE_TK-SPA101WS-01 | RoHS対応品<br>RoHS compliant |
| 承認<br>APPROVED  |             | 検図<br>CHECKED |                 | 1:3         | 製品名<br>MODEL            | TK-SPA101WS-01         |                           |
|                 |             | 製図<br>DRAWN   |                 | 単位<br>UNIT  | 図名<br>TITLE             | OUTLINE                | ページ<br>PAGE               |
| T.Okada         | S.Yoshimoto | M.Mitani      | M.Mitani        | mm          |                         |                        | 1 / 1                     |
| <br>株式会社 シーズウェア |             |               | A3              |             | 図番<br>DWG No.           | SM3-002229-10          |                           |