



## “Family TFT” & Capacitive Touch: Preferred Models

### Standard TFT Modules with 40-pin family interface (RGB)

Below displays are rated for operating temperature range -20/+70°C and backlight lifetime 20.000 hrs. All of them can be equipped with optional capacitive touchscreens. LED lifetime 50.000k hours is available on request.

#### Display features

- Identical 40 pin interface for all sizes
- No external LCD supply voltage required
- Standard backlight lifetime 20k hrs

#### Options

- Capacitive touchscreen
- Backlight lifetime 50k hrs
- High brightness versions
- Others on request

#### Advantages

- Easy up- and downsizing of existing displays
- 3 years support guarantee
- Standard accessories: HDMI interface board, MCU and adapter boards

| Size (inch) | Model             | Resolution (RGB dots) | Outline Dimensions (in mm, w/o connector) | Active Area (mm) | Backlight (cd/m2) | Remark                              |
|-------------|-------------------|-----------------------|---|------------------|-------------------|-------------------------------------|
| 3,5         | TF19387-35-320240 | 320 x 240             | 76,9 x 63,9 x 3,3                         | 70,08 x 52,56    | 500               |                                     |
| 3.5         | TF19400-35-320240 | 320 x 240             | 76,9 x 63,9 x 3,3                         | 70,08 x 52,56    | 500               | Backlight 50k hrs                   |
| 3,5         | TF19441-35-320240 | 320 x 240             | 83,8 x 70,5 x 4,9                         | 70,08 x 52,56    | 430               | Capacitive Touch                    |
| 4,3         | TF19350-43-480272 | 480 x 272             | 105,5 x 67,2 x 2,8                        | 95,04 x 53,86    | 300               |                                     |
| 4,3         | TF19310-43-480272 | 480 x 272             | 105,5 x 67,2 x 3,95                       | 95,04 x 53,86    | 500               |                                     |
| 4.3         | TF19399-43-480272 | 480 x 272             | 105,5 x 67,2 x 3,95                       | 95,04 x 53,86    | 450               | Backlight 50k hrs                   |
| 4,3         | TF19442-43-480272 | 480 x 272             | 119,02 x 77,87 x 5,85                     | 95,04 x 53,86    | 400               | Capacitive Touch                    |
| 5,0         | TF19305-50-800480 | 800 x 480             | 120,7 x 75.8 x 3,1                        | 108,0 x 64,8     | 250               |                                     |
| 5,0         | TF19414-50-800480 | 800 x 480             | 118,5 x 77,55 x 3,5                       | 108 x 64,8       | 530               |                                     |
| 5,0         | TF19443-50-800480 | 800 x 480             | 129,0 x 85,8 x 5,8                        | 108,0 x 64,8     | 450               | Capacitive Touch                    |
| 7,0         | TF19294-70-800480 | 800 x 480             | 164,9 x 100,0 x 5,94                      | 154,08 x 85,92   | 1000              |                                     |
| 7.0         | TF19393-70-800480 | 800 x 480             | 164,9 x 100,0 x 5,94                      | 154,08 x 85,92   | 750               | Capacitive Touch                    |
| 7.0         | TF19401-70-800480 | 800 x 480             | 164,9 x 100,0 x 5,94                      | 154,08 x 85,92   | 210               | Capacitive Touch, Backlight 50k hrs |
| 7,0         | TF19444-70-800480 | 800 x 480             | 181,08 x 112,92 x 8,67                    | 154,08 x 85,92   | 900               | Capacitive Touch                    |

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## TFT-Displays & Capacitive Touch: Standard Models

### Standard TFT Displays with various interfaces

Further to our preferred models we offer a wide range of products. The following displays are either supplied as standard versions or basis for semi customized solutions, e.g. with special interfaces and/or backlights.

*Note: While displays sized 2.8" and larger have MOQ 500+ pcs, small displays usually have high MOQ requirements.*

| Size (inch) | Model                               | Resolution (RGB dots) | Outline Dimensions (in mm, w/o connector) | Active Area (mm) | Backlight (cd/m <sup>2</sup> ) | Remarks                     |
|-------------|-------------------------------------|-----------------------|---|------------------|--------------------------------|-----------------------------|
| 1,5         | TS19396-15-128128                   | 128 x 128             | 34,61 x 39,02                             | 27,26 x 27,26    | TBD                            | MOQ 20k pcs                 |
| 2,0         | TS19329-20-176220                   | 176 x 220             | 38,08 x 51,7 x 2,2                        | 31,68 x 39,6     | 200                            | MOQ 20k pcs                 |
| 2,4         | TS19334-24-320240                   | 320 x 240             | 55,16 x 48,49 x 2,4                       | 48,48 x 36,36    | 200                            | MOQ 20k pcs<br>SPI, MCU     |
| 3,5         | TS19293-35-320240                   | 320 x 240             | 76,9 x 63,9 x 4,635                       | 70,08 x 52,56    | 300                            | 50k Hrs<br>Backlight        |
| 3,5         | TS19290-35-320240                   | 320 x 240             | 76,9 x 63,9 x 3,955                       | 70,08 x 52,56    | 700                            | 30k Hrs<br>Backlight        |
| 3,5         | TS19257-35-320240                   | 320 x 240             | 77,8 x 64,5 x 3,04                        | 70,08 x 52,56    | 300                            | SPI, MCU                    |
| 4,99        | TS19423-50-7201280                  | 720 x 1280            | 66,1 x 119,9 x 1,68                       | 62,1 x 110,04    | 420                            | MIPI                        |
| 7,0         | TS19396-70-800480                   | 800 x 480             | 164,9 x 100,0 x 5,7                       | 154,08 x 85,92   | 400                            | RGB (50pins),<br>Anti-Glare |
| 7,0         | Neues mit<br>YTS700RLAK-01-<br>105N | 800 x 480             | 164,9 x 100,0 x 5,64                      | 154,08 x 85,92   | 1070                           | RGB (50pins),<br>Anti-Glare |
| 10,1        | TS19377-A1-1280800                  | 1280 x 800            | 229,5 x 149,2 x 4,5                       | 216,96 x 135,6   | 250                            | LVDS,<br>LED driver         |

### Standard Capacitive Touchscreens

Touchscreens are rated for operation at -20/+70 °C and have I2C interface.

Optionally we can supply touch sensors with or without controller. Standard sensors can be integrated with customized front lens.

| Size (inch) | Model    | Outline Dimensions (in mm, w/o controller & connector) | Active Area (mm) | Touch Controller | Multitouch Capability |
|-------------|----------|--|------------------|------------------|-----------------------|
| 3,5         | C3523-35 | 77,8 x 64,5  | 71,08 x 53,6     | FT6236           | No                    |
| 4,3         | C3524-43 | 115,74 x 74,5  | 95,84 x 54,5     | FT5436           | 5 fingers             |
| 5,0         | C3525-50 | 129,0 x 85,8   | 109,0 x 65,8     | FT5436           | 5 fingers             |
| 7,0         | C3526-70 | 174,4 x 113,44   | 153,4 x 82,44    | FT5526           | 5 fingers             |

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