



| NO. | SIGNAL |
|-----|--------|
| 1   | V1     |
| 2   | V2     |
| 3   | V3     |
| 4   | V4     |
| 5   | VOUT   |
| 6   | VSS    |
| 7   | VDD    |
| 8   | DB7    |
| 9   | DB6    |
| 10  | DB5    |
| 11  | DB4    |
| 12  | DB3    |
| 13  | DB2    |
| 14  | DB1    |
| 15  | DB0    |
| 16  | E-RD   |
| 17  | RW-WR  |
| 18  | A0     |
| 19  | RST    |
| 20  | CSB    |

|                       |                                      |
|-----------------------|--------------------------------------|
| DISPLAY TYPE          | STN (GRAY)<br>POSITIVE<br>REFLECTIVE |
| OPERATING METHOD      | 1/100 DUTY<br>1/11 BIAS              |
| V <sub>Lcd</sub>      | 11.5V                                |
| VIEWING ANGLE         | 6:00                                 |
| OPERATION TEMPERATURE | -10° C TO 60° C                      |
| STORAGE TEMPERATURE   | -20° C TO 70° C                      |
| CONNECTOR TYPE        | COG/FPC                              |
| LCD Driver IC         | ST7528                               |
| BACKLIGHT             | WITHOUT                              |
| V <sub>dd</sub>       | 3.0V                                 |

**Note:**  
**1. Unspecified tolerance: ±0.2mm**  
**2. Rohs Compliant**

|                                    |        |             |      |              |
|------------------------------------|--------|-------------|------|--------------|
| REV.                               | SYMBOL | DCN NO.     | SIGN | DATE         |
|                                    |        |             |      | 06.05.19     |
| DRAWN                              |        | TITLE       |      | DRAWING NO.  |
| ME. CHECKED                        |        | MODULE SPEC |      | STR-TG0590   |
| EE. CHECKED                        |        |             |      | PRODUCT      |
| PE. CHECKED                        |        |             |      | TG0590       |
| PE. CHECKED                        |        |             |      | UNIT         |
| APPROVED                           |        |             |      | mm           |
| CUSTOMER'S APPROVAL                |        |             |      | SCALE        |
|                                    |        |             |      | NTS          |
|                                    |        |             |      | 3rd Angle    |
|                                    |        |             |      | SHEET 1 OF 1 |
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