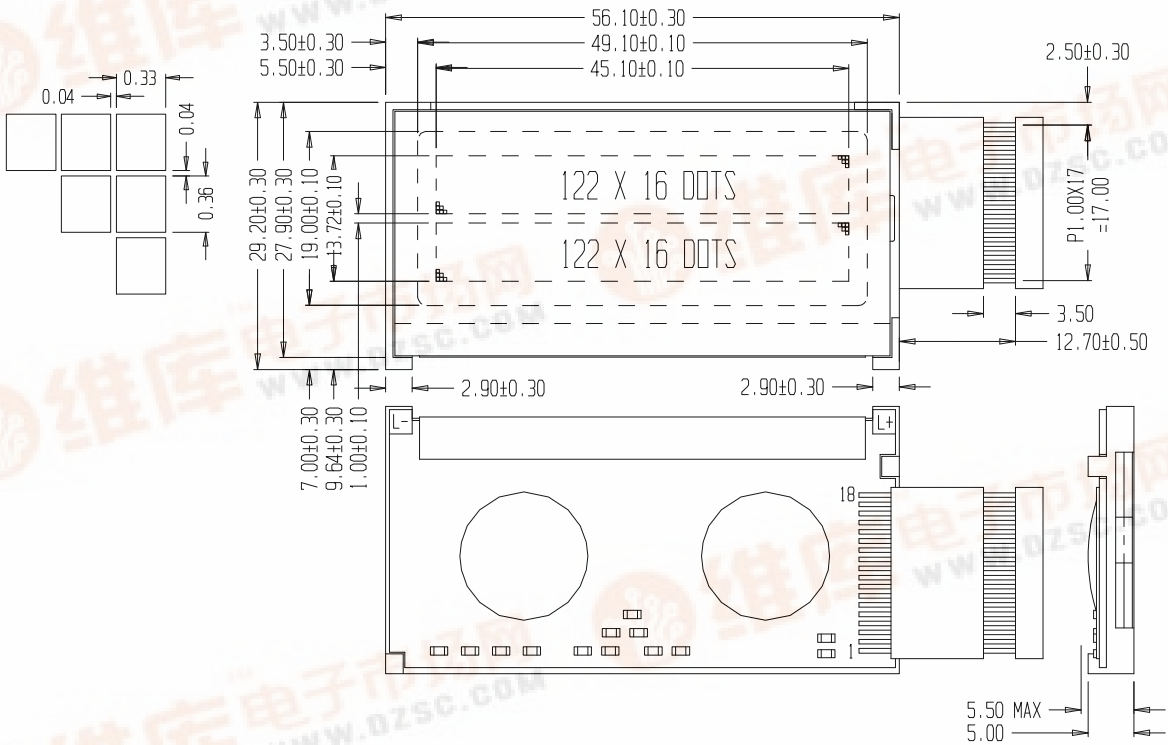


TEIDEC LCD MODULE MG-12232-3

! Physical data

| Item                | Contents                                        | Unit    |
|---------------------|-------------------------------------------------|---------|
| LCD type            | STN                                             | ---     |
| LCD duty            | 1/32                                            | ---     |
| LCD bias            | 1/5                                             | ---     |
| Viewing direction   | 6                                               | o'clock |
| Module size (WxHxT) | 56.1 x 29.2 x 5.5MAX (2.21" x 1.15" x 0.22"MAX) | mm      |
| Viewing area (WxH)  | 49.1 x 19 (1.93" x 0.75")                       | mm      |
| Number of dots      | 122 x 32                                        | dots    |
| Dot size (WxH)      | 0.33 x 0.36 (0.013" x 0.014")                   | mm      |
| Dot pitch (WxH)     | 0.37 x 0.40 (0.015" x 0.016")                   | mm      |

! External dimensions



! Block diagram

|     |     |    |     |    |    |    |    |     |     |     |     |     |     |     |     |     |     |
|-----|-----|----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1   | 2   | 3  | 4   | 5  | 6  | 7  | 8  | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  |
| VDD | VSS | V5 | RST | E1 | E2 | RW | A0 | DB0 | DB1 | DB2 | DB3 | DB4 | DB5 | DB6 | DB7 | SLA | SLK |

