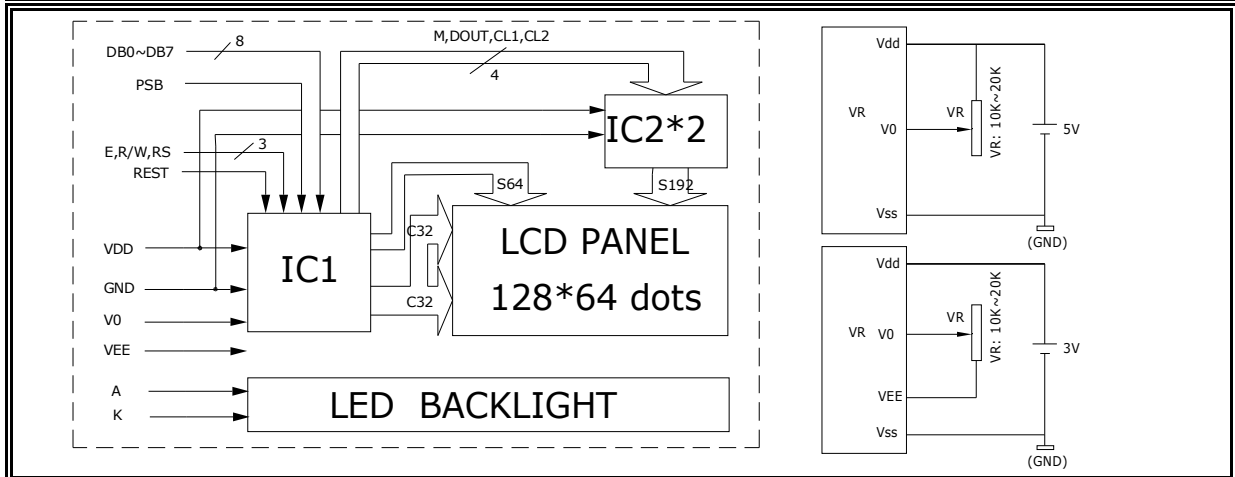
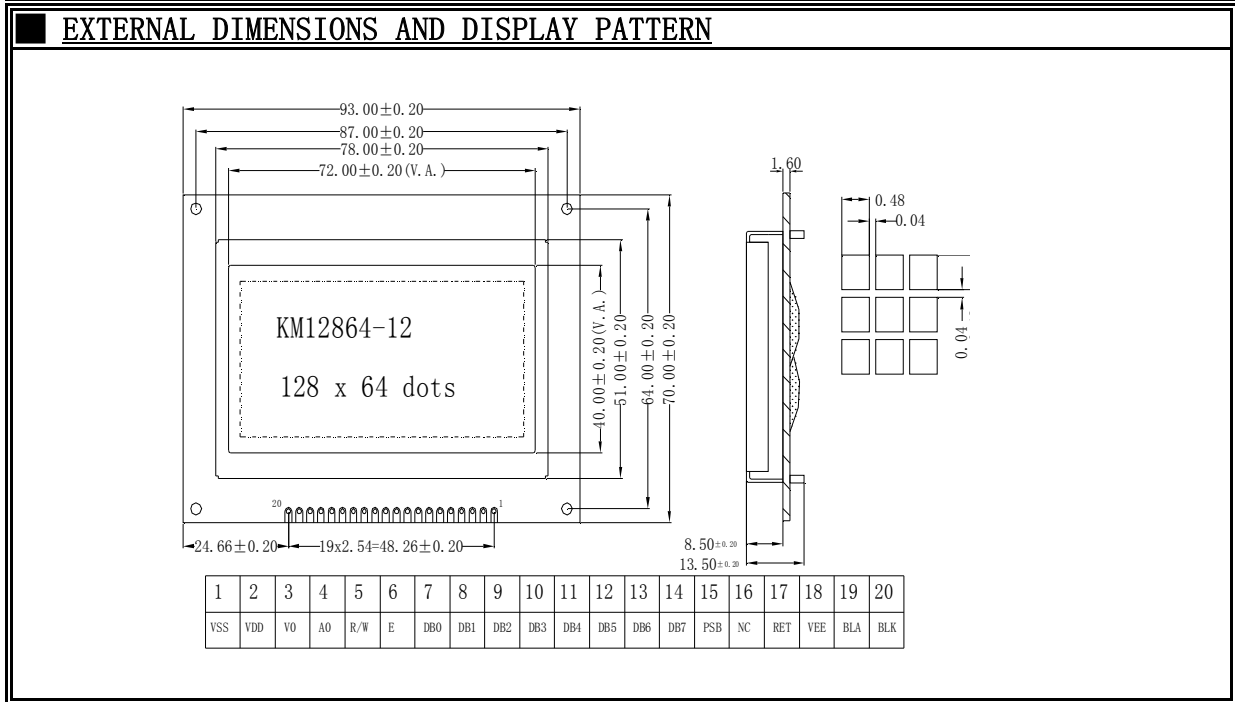


| | | | | | | | | | |
|-------------------------------|----------|-----|-----|------|----------------|----|------|------------|--|
| SZ Wayeah LCM serial products | | | | | | | | KM12864-12 | |
| Option | LCD TYPE | | | | BackLight TYPE | | | Controler | |
| | TN | HTN | STN | FSTN | LED | EL | CCFL | ST7920 | |
| | | | ✓ | | ✓ | | | | |

| Mechanical data | | | Absolute Maximum Raring | | | | | |
|-----------------|----------------|------|-------------------------|-------|------|--------|------|------|
| ITEM | W x H x D | Unit | ITEM | Symb. | Min. | Type | Max. | Unit |
| Module Size | 93.0x70.0x13.0 | mm | Supply Voltage | VDD | 3.0 | 5.0 | 5.5 | V |
| View-area | 72.0 x 40.0 | mm | LCD drive voltage | V0 | -3.0 | 4.8 | 0 | V |
| Respective | 128 x 64 | dots | Input voltage | Vi | 0 | 0.7VDD | VDD | V |
| Dot Size | 0.48 x 0.48 | mm | Operate temp. | Top | -20 | 25 | +70 | °C |
| Dot Pitch | 0.52 x 0.52 | mm | Storage temp. | Tsg | -30 | 25 | +80 | °C |



INTERFACE

| NO. | NAME | NO. | NAME | NO. | NAME | NO. | NAME |
|-----|------|-----|------|-----|------|-----|------|
| 1 | VSS | 7 | DB0 | 13 | DB6 | 19 | BLA |
| 2 | VDD | 8 | DB1 | 14 | DB7 | 20 | BLK |
| 3 | V0 | 9 | DB2 | 15 | PSB | | |
| 4 | RS | 10 | DB3 | 16 | NC | | |
| 5 | R/W | 11 | DB4 | 17 | RET | | |
| 6 | E | 12 | DB5 | 18 | VEE | | |