



*Phoenix Display International, Inc.*

# PRODUCT PREVIEW

## 1.5" 128 X 128 Monochrome

# TN/STN

Graphics  
Liquid Crystal Display

### Small Size Graphics

The PDIG-12812828G(R)-VA is Monochrome with a 128 x 128 resolution. All our graphic displays products can be modified to add touch panels or removed upon request (there may or may not be tooling associated with touch-panel changes)

### Product Application(s)

The products usage:

- Testing and Measurement
- Hand Held mobile
- Communication
- Military
- Consumer Devices

## SPECIFICATIONS

### MODULE

|                       |                              |
|-----------------------|------------------------------|
| Part Number           | PDIG-12812828G(R)-VA         |
| Overall Dimensions    | 52.0mm x 37.5mm x 9.8mm      |
| Power Supply          | 3.3V                         |
| Backlight System      | LED Y/G                      |
| Display Type          | STN, Positive, Transflective |
| Format                | 128 x 128                    |
| Active Area           | 29.6mm x 26.86mm             |
| Dot Size              | 0.19mm x 0.19mm              |
| Pixel Pitch           | 0.02mm x 0.02mm              |
| Operating Temperature | -20°C to 70°C                |
| Driver Attach         | COG                          |
| Brightness            |                              |
| Controller            | ST7541                       |





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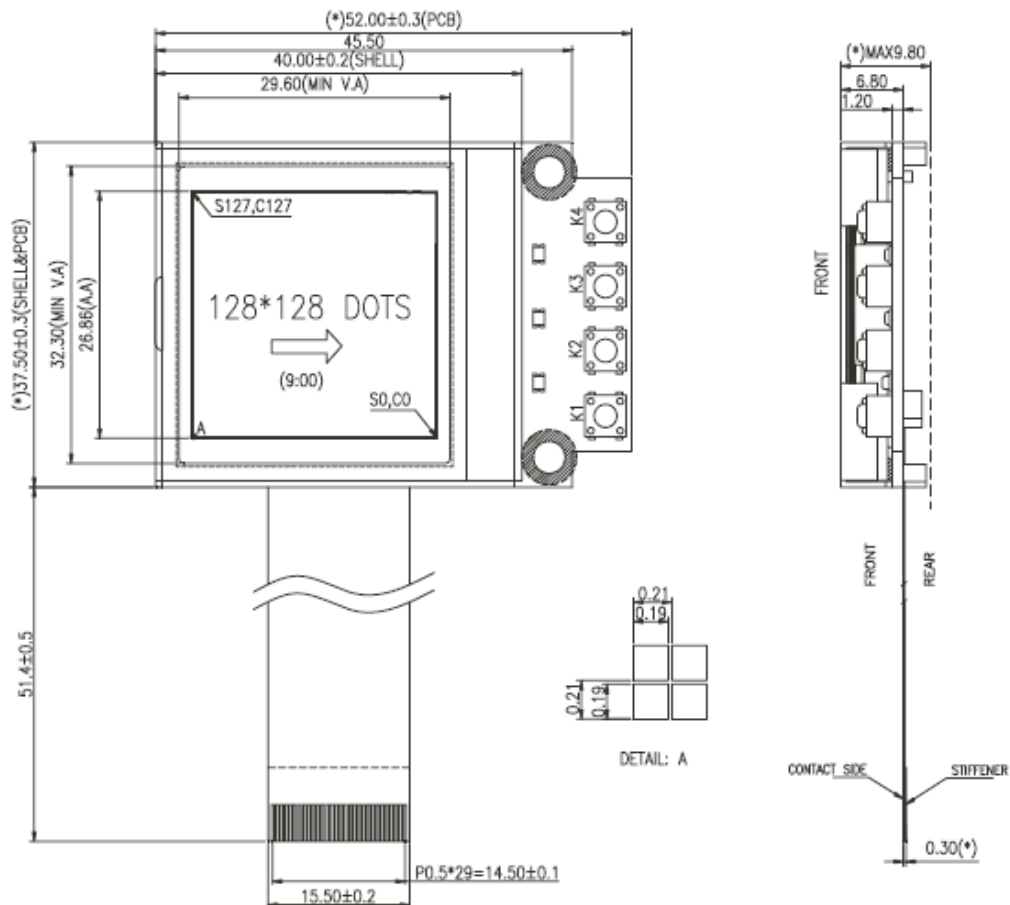
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### DIMENSIONAL DRAWING



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### PIN ASSIGNMENT

|        |     |         |     |       |       |       |     |       |         |     |      |      |      |     |     |
|--------|-----|---------|-----|-------|-------|-------|-----|-------|---------|-----|------|------|------|-----|-----|
| PIN    | 1   | 2       | 3   | 4     | 5     | 6     | 7   | 8     | 9       | 10  | 11   | 12   | 13   | 14  | 15  |
| SYMBOL | GND | DB0     | DB1 | GND   | DB2   | DB3   | GND | DB4   | DB5     | GND | DB6  | DB7  | GND  | /WR | /RD |
| PIN    | 16  | 17      | 18  | 19    | 20    | 21    | 22  | 23    | 24      | 25  | 26   | 27   | 28   | 29  | 30  |
| SYMBOL | GND | LCD_ADD | GND | CSLCD | CSLED | CSKEY | GND | LEDBL | LCD_RST | GND | 3.3V | 3.3V | 3.3V | GND | GND |

