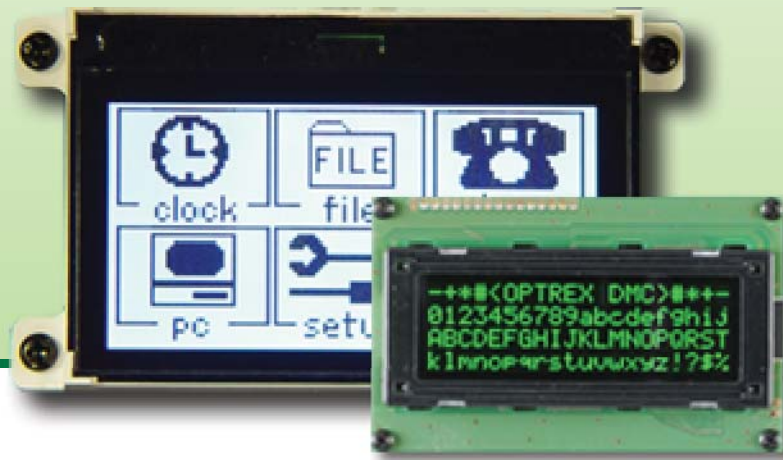


STEP up to Higher Performance Monochrome Graphic & Character LCDs



Optrex STEP LCD products deliver remarkable readability in any ambient light environment condition, with exceptional performance over a wide operating temperature range. Multiple LED colors are available to choose from to meet your application needs.

A Higher Standard for STN

Step up to higher performance in passive matrix monochrome graphic and character LCDs.

Key Features:

- Wide operating temperature (-20 to +70°C) standard
- High contrast ratio up to 80:1
- High brightness up to 100 nits
- High ambient-light legibility
- Built-in controllers
- Selectable interface

Backward Compatible

The new LCDs are available in industry-standard configurations and compatible with existing Optrex LCDs to provide an easy upward migration path for design.

RoHS Compliant*

All modules are built in complete compliance with the European Union's RoHS (Reduction of Hazardous Substances) directive that restricts the use of certain substances such as lead, mercury and cadmium in electronic equipment.

Range of Colors

A wide variety of colors are available to suit every application.



Graphic LCDs

Featuring built-in controllers, standard operating temperatures of -20° to 70°C, and a luminance of up to 100 nits, these are the “next step” in STN graphic displays.



F-51852



F-51851



F-51854

Part #	Size	Color Background	Dot Format	Module Dimension (mm)	Interface
F-51852	2.8"		128 x 64	89.7 x 49.8 x 6 (low profile)	Selectable 8-bit Parallel or Serial
F-51852	2.8"		128 x 64	89.7 x 49.8 x 11.8	Selectable 8-bit Parallel or Serial
F-51854	4.7"		160 x 128	129.0 x 102.0 x 13.5	8-bit Parallel
F-51851	5.2"		240 x 64	135.2 x 51.7 x 9.8	8-bit Parallel

Character LCDs

Offering a 5V power supply, standard operating temperatures of -20° to 70°C, and a luminance of up to 70 nits, these LCDs are the new generation in STN character displays.

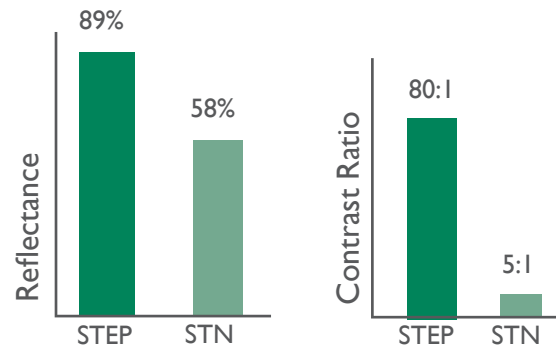


C-51847



C-51505

A Higher Standard for STN



Part #	Color	Dot Format	Module Dimension (mm)	Interface
C-51848	W G B	16 character x 2 line	122.0 x 44.0 x 14.6	8-bit Parallel
C-51505	W G B B B	20 character x 2 line	116.0 x 37.0 x 15.7	8-bit Parallel
C-51847	W G B	20 character x 4 line	98.5 x 61.0 x 15.6	8-bit Parallel
C-51850	W G B	40 character x 2 line	182.0 x 34.5 x 15.1	8-bit Parallel
C-51849	W G B	40 character x 4 line	190.0 x 54.0 x 14.6	8-bit Parallel

Detailed Product Information

www.optrex.com/products/step.asp

Optrex America, Inc.
46723 Five Mile Road
Plymouth, Michigan 48170

Telephone: (734) 416-8500
Fax: (734) 416-8520

Released Feb. 2009 | Copyright © 1998-2010 Optrex America, Inc.

These specifications are subject to change without notice. Please check with OPTREX prior to designing equipment using this information.

* RoHS compliance is based upon Optrex America's understanding of RoHS and Optrex America's knowledge of the materials used by the manufacturer in its products.

All trademarks are the property of their respective owners.