



CrystalFontz America, Incorporated

GRAPHIC LCD MODULE SPECIFICATIONS



CrystalFontz Model Number	CFAG12864B-TMI-V
Hardware Version	Revision "A", September 2005
Data Sheet Version	Revision 1.0, December 2006
Product Pages	www.crystalfontz.com/products/12864b
Customer Name	
Customer Part Number	

CrystalFontz America, Incorporated

12412 East Saltese Avenue
Spokane Valley, WA 99216-0357

Phone: (888) 206-9720

Fax: (509) 892-1203

Email: techinfo@crystalfontz.com

URL: www.crystalfontz.com



REVISION HISTORY

HARDWARE	
2005/09/01	Current Hardware Version: vA

DATA SHEET	
2006/12/15	New Data Sheet: v1.0

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MAIN FEATURES

- ❑ 128 x 64 dots graphic LCD module has a large display area in a compact 75.0 (W) x 52.7 (H) x 8.9 (D) millimeter package (2.95" (W) x 2.07" (H) x .35" (D)).
- ❑ White edge LED backlit with STN negative transmissive mode LCD. Displays illuminated light dots on a blue background.
- ❑ Built-in controllers Samsung PN S6B0107B (formerly Samsung PN KS0107B, see [APPENDIX C: SAMSUNG S6B0107 64 CH COMMON DRIVER \(Pg. 28\)](#)) and Samsung S6B0108B (formerly Samsung PN KS0108B, see [APPENDIX D: SAMSUNG S6B0108 64 CH SEGMENT DRIVER \(Pg. 29\)](#)).
- ❑ 8-bit parallel interface.
- ❑ Wide temperature operation: -20°C to +70°C.
- ❑ RoHS compliant.

MODULE CLASSIFICATION INFORMATION

CFA G 128 64 B - T M I - V*

1 2 3 4 5 6 7 8 9

1	Brand	CrystalFontz America, Inc.
2	Display Type	G – Graphic
3	Number of Dots (Width)	128 dots
4	Number of Dots (Height)	64 dots
5	Model Identifier	B
6	Backlight Type & Color	T – LED, white
7	Fluid Type, Image (positive or negative), & LCD Glass Color	M – STN negative, blue
8	Polarizer Film Type, Wide Temperature (WT) Range, & View Angle (O’Clock)	I – Transmissive, WT, 6:00 ¹
9	Special Code	V – Built-in negative voltage generator (on the board) * – May have additional manufacturer's codes at this location.

¹For more information on View Angle, see [Definition of 6 O’Clock and 12:00 O’Clock Viewing Angles \(Pg. 15\)](#).



ORDERING INFORMATION

PART NUMBER	BUILT-IN NEGATIVE VOLTAGE GENERATOR	FLUID	LCD GLASS COLOR	IMAGE	POLARIZER FILM	BACKLIGHT
CFAG12864B-TMI-V	Yes	STN	blue	negative	transmissive	white edge LEDs
<i>Additional variant (same form factor, different LCD mode or backlight):</i>						
CFAG12864B-TFH-V	Yes	FSTN	light	positive	transflective	white edge LEDs
CFAG12864B-WGH-N	No	STN	light	positive	transflective	white EL lamp
CFAG12864B-WGH-V	Yes	STN	light	positive	transflective	white EL lamp
CFAG12864B-YYH-N	No	STN	yellow-green	positive	transflective	yellow-green edge LEDs
CFAG12864B-YYH-V	Yes	STN	yellow-green	positive	transflective	yellow-green edge LEDs

MECHANICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

ITEM	SIZE
Number of Dots	128 x 264 dots
Module Dimensions	75.0 (W) x 52.7 (H) x 8.9 (D) mm
Viewing Area	60.0 (W) x 32.6 (H) mm
Active Area	55.0 (W) x 27.48 (H) mm
Dot Size	.39 (W) x .39 (H) mm
Dot Pitch	.43 (W) x .43 (H) mm
Weight	36 grams (typical)

