

SSD1306 Datasheet by DFRobot

View All Related Products | Download PDF Datasheet

Products related to this Datasheet

OLED 2864 DISPLAY MODULE(.NET GA TOY0007

GRAVITY I2C OLED-2864 DISPLAY DFR0486

3 Software Configuration

SSD1306 has internal command registers that are used to configure the operations of the driver IC. After reset, the registers should be set with appropriate values in order to function well. The registers can be accessed by MPU interface in either 6800, 8080, SPI type with D/C# pin pull low or using I^2 C interface. Below is an example of initialization flow of SSD1306. The values of registers depend on different condition and application.

Set Contrast Control 81h, 7Fh Disable Entire Set MUX Display On Ratio A8h, 3Fh A4h mnology Inc. Set Display Set Normal Display Offset A6h D3h, 00h Set Display Set Osc Start Line Frequency 40h D5h 80h

Figure 2 : Software Initialization Flow Chart

(e changes without not suitability of its pruse of any redamar Solomon Systech reserves the right to make changes without notice to any products herein. Solomon Systech makes no warranty, Solomon Systech reserves the right to make changes without notice to any products herein. Solomon Systech makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Solomon Systech assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any, and all, liability, including without limitation consequential or incidental damages. "Typical" parameters can and do vary in different applications. All operating parameters, including "Typical" must be validated for each customer application by the customer's technical experts. Solomon Systech does not convey any license under its patent rights nor the rights of others. Solomon Systech products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the Solomon Systech products could create a situation where personal injury or death may occur. Should Buyer purchase or use Solomon Systech products for any such unintended or unauthorized application, Buyer shall indemnify and hold Solomon Systech and its offices, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Solomon Systech was negligent regarding the design or manufacture of the part.

logy Iuc.

All Solomon Systech Products complied with six (6) hazardous substances limitation requirement per European Union (EU) "Restriction of Hazardous Substance (RoHS) Directive (2002/95/EC)" and China standard "白子信息产品污染控制棒型影子 (SJ/T11364-2006)" with control Marking Symbol . Hazardous Substances test report is available upon requested.

http://www.solomon-systech.com

Solomon Systech Jan 2009 P 6/6 Rev 0.4 | SSD1306 App note

> Toll Free: 1-800-344-4539 Phone: 218-681-6674 Fax: 218-681-3380