



**2<sup>Bit</sup> MICRO** 2 Bit Micro, LLC

2BM-10000+Vertical Pins

SCALE:

1:1

UNITS:

INCHES

DRAWN BY:

BRIAN

Copyright © 2009

2 Bit Micro, LLC.

DRAWING NUMBER:

2BM10000v00P1

DATE:

2009/11/12

HARDWARE REV:

0.0

SHEET:

1 of 1

### Mechanical Data

Item	Specification	Unit
Diagonal A/A Size	0.95	inches
Number of Pixels (W x H)	96xRGBx64	-
Dot Size	0.19 x 0.19	mm
Dot Pitch	0.21 x 0.21	mm
Active Area	20.14 x 13.42	mm
Panel Size	24.8 x 22.42	mm
Depth (pins)	0.218 (0.463)	inches
Width	1	inches
Height	1.1	inches

### Pin Configuration

No.	Symbol	Description
1	GND	Ground
2	EN_VP	Enable V <sub>PANEL</sub> Generation
3	$\overline{CS}$	Chip Select, active low
4	$\overline{RST}$	Reset, active low
5	D/ $\overline{C}$	High = Data, Low = Command
6	SCL	SPI Clock
7	MOSI	Serial Data Input
8	V <sub>DD</sub>	Power supply (+3.3v)

### Electromechanical Characteristics

Symbol	Parameter	Value	Unit
V <sub>DD</sub>	Supply Voltage	2.4 – 3.4	V
V <sub>MIN</sub>	Min. Input Voltage	2.4	V
V <sub>MAX</sub>	Max. Input Voltage	3.4	V
T <sub>OP</sub>	Operating Range	-20 - 70	°C
T <sub>STG</sub>	Storage Temp Range	-30 - 80	°C
V <sub>IH</sub>	High logic input level	0.8 * V <sub>DD</sub> – V <sub>DD</sub>	V
V <sub>IL</sub>	Low logic input level	0 – 0.1 * V <sub>DD</sub>	V
V <sub>OH</sub>	High logic output level	0.9 * V <sub>DD</sub> – V <sub>DD</sub>	V
V <sub>OL</sub>	Low logic output level	0 – 0.2 * V <sub>DD</sub>	V

\* For display control instructions, please refer to the datasheet for the controller (Solomon Systech SSD1332) or for the display (Crystalfontz CFAL9664B-F-B1). See [www.crystalfontz.com](http://www.crystalfontz.com) for details.