

AVNET EMBEDDED SPECIFICATION.

Datasheet
Varitronix
MGLS10032B

Specification of LCD Module type

MGLS – 10032B

1. General Description

- Small Form Factor Full Graphics 100 x 32 pixels
- Optional Integral Controller/Driver type T6963C not available on all resolutions(application note available on request)
- STN, FSTN** Positive and Negative mode**
- Optional LED Backlight (note including Backlight will increase height of module (see drawing)
- Variety of Backlight colours Green, White**, Blue**, Red**, Amber **
- Temperature Ranges 0 to 50°C, -20 to 70°C**
- View angle 6 o'clock other options on special request**

** Items marked are non standard options, and may carry factory MOQ. Please check with your local sales office for availability of the options.

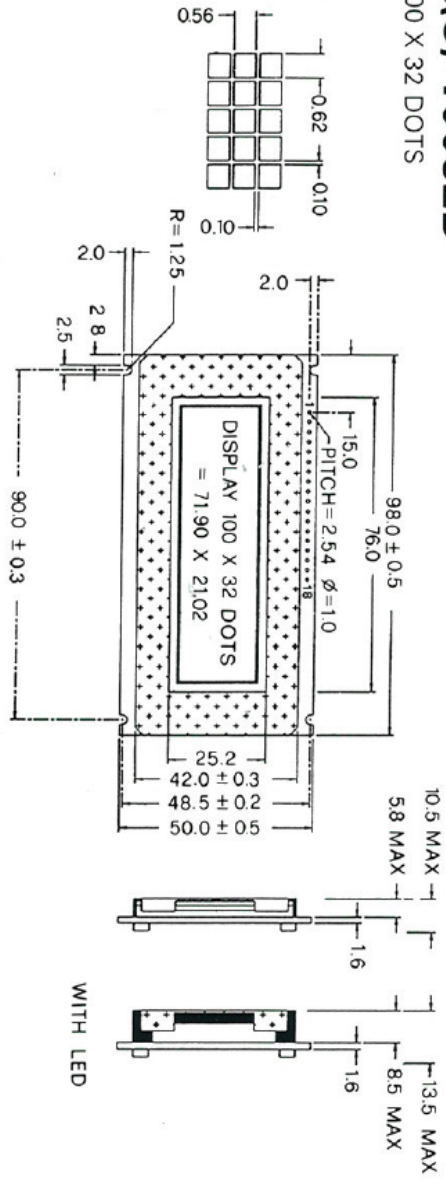
2. Mechanical Specifications

Table 1

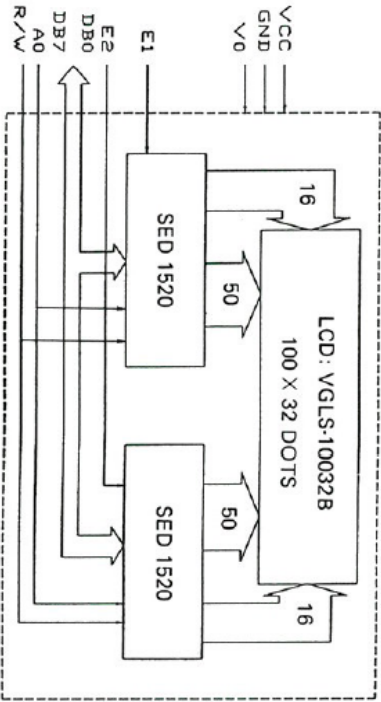
Parameter	Specifications	Unit
Outline Dimensions	98.0 (W) x 50.0 (H) x 13.5 (D) max NOTE Depth (D) is lower without Backlight	mm
View Area VA	76.0 (W) x 25.2 (H)	mm
Format	100 (W) x 32 (H) Pixels	
Pixel Size	0.62 (W) x 0.56 (H)	mm
Pixel Spacing	0.10 (W) x 0.10 (H)	mm
Pixel Pitch	0.72 (W) x 0.66 (H)	mm
Active Area	71.90 (W) x 21.02 (H)	mm

MGL(S)-10032B

100 X 32 DOTS



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
GND	VCC	V0	A0	R/W	E1	E2	NC	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	LED-	LED+



3. Interface Signals

Table 2

Pin No.	Symbol	Description
1	VSS	Ground(0V).
2	VDD	Power supply for logic (+5V).
3	V0	Power supply for LCD driver.
4	A0	Data/Command Select Input: 'High': Display data on DB0-DB7. 'Low' : Display control data on DB0-DB7.
5	R/W	Chip interface with 68 family MPU: Read/Write control signal input pin. R/W = "High" : Read control signals. R/W = "Low" : Write control signals.
6	E1	For first LCD driver SED1520: Chip interfaced with 68 family MPU: Input. Active high. Enable clock signal input for the 68 family MPU.
7	E2	For second LCD driver SED1520: Chip interfaced with 68 family MPU: Input. Active high. Enable clock signal input for the 68 family MPU.
8	NC	No Connection.
9	DB0	Data input/output (LSB).
10	DB1	Data input/output.
11	DB2	Data input/output.
12	DB3	Data input/output.
13	DB4	Data input/output.
14	DB5	Data input/output.
15	DB6	Data input/output.
16	DB7	Data input/output (MSB).
17	LED+	Anode of LED backlight.
18	LED-	Cathode of LED backlight.

Typical ordering code MGLS 10032B LV LED03

This is STN Display (S), Transflective, Green Mode , Yellow Green LED Edge style Backlight , Standard Temperature Range (LV), 6 o'clock View.

Full part number and full specification will be confirmed dependant on the option selected i.e.

Display type, LED Type and Colour, Temperature Range etc

END

AVNET EMBEDDED OFFICES.

DENMARK

Avnet Embedded
Avnet Nortec A/S
Ellekær 9
2730 Herlev
Phone: +45 3678 6250
Fax: +45 3678 6255
denmark@avnet-embedded.eu

FINLAND

Avnet Embedded
Avnet Nortec Oy
Tiilenpolttajankuja 3 A B
1720 Vantaa
Phone: +358 207 499260
Fax: +358 942 597446
finland@avnet-embedded.eu

FRANCE

Avnet Embedded
Avnet EMG France SA
Immeuble 154, Parc Chene 2
5, allée du General Benoist
69000 Bron
Phone: +33 4 72 81 02 30
Fax: +33 4 72 81 02 34
bron@avnet-embedded.eu

Avnet Embedded
Avnet EMG France SA
6-8, rue Ambroise Croizat
ZAE Les Glaises
91127 Palaiseau Cedex
Phone: +33 1 64 47 29 29
Fax: +33 1 64 47 99 99
palaiseau@avnet-embedded.eu

Avnet Embedded
Avnet EMG France SA
ZA la Hallerais le Semiramis
2, allée du Communal
35770 Vern sur Seiche
Phone: +33 2 99 77 37 00
Fax: +33 2 99 77 33 38
rennes@avnet-embedded.eu

GERMANY (AUSTRIA, CZECH REPUBLIC, HUNGARY, POLAND, SWITZERLAND)

Avnet Embedded
Avnet EMG GmbH
Gruber Straße 60c
85586 Poing
Phone: +49 8121 775 500
Fax: +49 8121 775 550
poing@avnet-embedded.eu

Avnet Embedded
Avnet EMG GmbH
Lötscher Weg 66
41334 Nettetal
Phone: +49 8121 775 500
Fax: +49 8121 775 550
nettetal@avnet-embedded.eu

ITALY (PORTUGAL, SPAIN)

Avnet Embedded
Avnet EMG Italy SRL
Via Manzoni, 44
20095 Cusano Milanino
Phone: +39 02 66092 1
Fax: +39 02 66092 498
milano@avnet-embedded.eu

NETHERLANDS (BELGIUM, LUXEMBOURG)

Avnet Embedded
Avnet B.V.
Takkebijsters 2
4802 BL Breda
Phone: +31 76 5722400
Fax: +31 76 5722404
benelux@avnet-embedded.eu

SWEDEN (NORWAY)

Avnet Embedded
Avnet Nortec AB
Esplanaden 3 D
172 67 Sundbyberg
Phone: +46 8 564 725 50
Fax: +46 8 760 01 10
sweden@avnet-embedded.eu

UNITED KINGDOM (IRELAND)

Avnet Embedded
Avnet EMG Ltd.
Pilgrims Court, 15/17 West Street
Reigate, Surrey, RH2 9BL
Phone: +44 1737 227800
Fax: +44 1737 243872
uk@avnet-embedded.eu

All trademarks and logos are the property of their respective owners. This document provides a brief overview only and is not intended to be complete or binding offer. Product information, including information related to a product's specifications, uses or conformance with legal or other requirements, is obtained by Avnet from its suppliers or other sources deemed reliable and is provided by Avnet on an „As Is“ basis. Avnet makes no representation as to the accuracy or completeness of the product information and Avnet disclaims all representations, warranties and liabilities under any theory with respect to the product information, including any implied warranties of merchantability, fitness for a particular purpose, title and/or non-refrangement. All product information is subject to change without notice.

LOCAL AVNET EMBEDDED BUSINESSES:

axess
technology

An Avnet Embedded Business

tdc

An Avnet Embedded Business

trident

An Avnet Embedded Business