

AVNET EMBEDDED SPECIFICATION.

Datasheet
Varitronix
MGLS24064

Specification of LCD Module type

MGLS – 24064

1. General Description

- Small Form Factor Full Graphics 240 x 64 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**

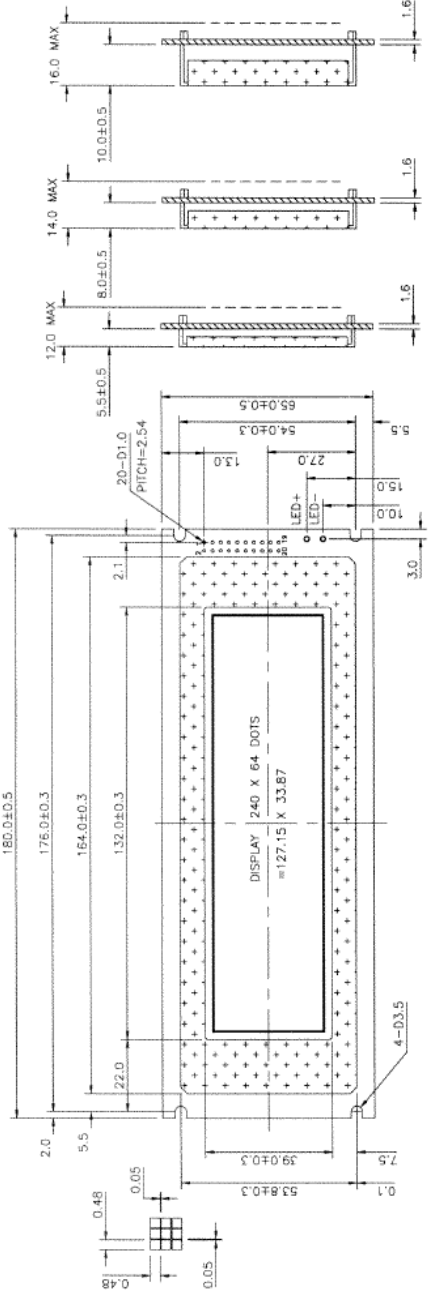
** Items marked are non standard options, and may carry factory MOQ. Please check with your local sales office for availability of the options.

2. Mechanical Specifications

Table 1

Parameter	Specifications	Unit
Outline Dimensions	180.0 (W) x 65.0 (H) x 15.0 (D) max NOTE Depth (D) is lower without Backlight	mm
View Area VA	132.0 (W) x 39.0 (H)	mm
Format	240 (W) x 64 (H) Pixels	
Pixel Size	0.48 (W) x 0.48 (H)	mm
Pixel Spacing	0.05 (W) x 0.05 (H)	mm
Pixel Pitch	0.53 (W) x 0.53 (H)	mm
Active Area	127.15 (W) x 33.87 (H)	mm

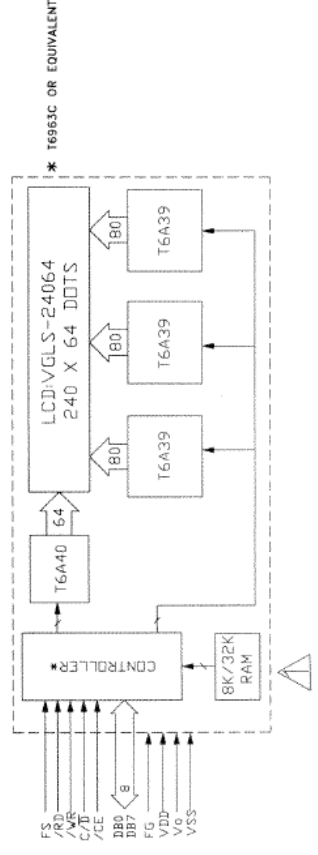
ISSUE	AMENDMENT	DATE
△	ADD 32K RAM	98.10.14



WITH LED03

WITH LED04

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FG	VSS	VDD	VO	/WR	/RD	/CE	C/D	NC	/RST	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	FS	NC



TITLE: SPECIFICATION OF MODULE	
PROJECT NO:	MGL(S)-24064
TOLERANCE UNLESS OTHERWISE SPECIFIED:	X.X ±0.3 X.XX ±0.1
DIMENSIONS IN	MM
MATERIAL:	FINISH:
SCALE:	DO NOT ON SCALE
THIRD ANGLE PROJECTION	THICKNESS:
NAME	SIZE
DATE	DATE
DRAWN	CHAN KAM FAI
CHECKED	CHAN KAM FAI
APPROVED	K.P. HO
ITEM NO.	MGLS24064-XX
DESCRIPTION:	MGLS24064
FILE NO:	SPEC MGL(S)-24064 REV 1
SHEET	OF

VE VARITRONIX LIMITED

3. Interface Signals

Table 2

Pin No.	Symbol	Description
1	FG	Frame ground (see note 1)
2	Vss	Ground (0V).
3	VDD	Power supply for logic (+5V)
4	Vo	Power supply for LCD drive
5	/WR	Data write. Write data to controller T6963C when "L".
6	/RD	Data read. Read data from controller T6963C when "L".
7	/CE	Chip enable of controller when "L".
8	— C / D	Command/Data read/write. "H" for command read/write and "L" for data read/write.
9	NC	Not connected
10	/RST	Controller reset when "L".
11	DB0	Data input/output (LSB)
12	DB1	Data input/output
13	DB2	Data input/output
14	DB3	Data input/output
15	DB4	Data input/output
16	DB5	Data input/output
17	DB6	Data input/output
18	DB7	Data input/output (MSB)
19	FS	Font select. "H" for 6 x 8 font & "L" for 8 x 8 font
20	NC	Not connected
-	LED(+)	Anode of LED backlight
-	LED(-)	Cathode of LED backlight

Note 1: This pin is electrically connected to the metal bezel (frame), but is otherwise not connected. User can choose to connect this pin to Vss or leave it open.

Typical ordering code MGLS 19264 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

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