



SOLUTIONS ENGINEERING

165 x 64 Graphics LCD Module CFG 168 000

Manufactured using SMD and TAB components, this very thin module offers a resolution midway between standard 128 x 64 and 240 x 64 models. With its Hitachi HD66108 driver/controller, the module is easily connected to an 8-bit microprocessor. Ideal for handheld instrumentation.

Specifications

Type: STN, yellow, positive, reflective
Resolution: 165 x 64 pixels
Pixel size: 0.38 x 0.38 mm²
Pixel pitch: 0.42 mm
Active area: 69.26 x 26.84 mm²
Viewable area: 73.8 x 31.08 mm²
Module dimensions : 80.3 (H) x 37.88 (W) x 8.2 (T) mm³

Optimum viewing angle: 12 O'Clock

Contrast ratio: 5 at $\theta = \phi = 0^\circ$

Operating temperature: + 5° to + 40° C

Storage temperature: - 10° to + 60° C



Response times:

Temperature	t _r	t _d
0° C	210 ms	1100 ms
20° C	105 ms	330 ms

Driver/Controller: Hitachi HD66108 with HD61203 common driver

Operating voltage: 5 V

MUX: 1:64 **Bias:** 1:7 **f_{CLK}:** 6 x frame frequency (6 x 70 Hz ... 6 x 90 Hz)

I/O: 20 pin flex

Pin assignment :

Pin	Signal
1	NC
2	NC
3	VDD
4	D0
5	D1
6	D2
7	D3
8	D4
9	D5
10	D6

Pin	Signal
11	D7
12	RD
13	WR
14	RS
15	CS
16	RST
17	GND
18	CLK
19	NC
20	NC

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