



320 x 256 Graphics LCD Module CFG 206 000

SOLUTIONS ENGINEERING

With about the same overall dimensions as standard 320 x 240 LCD units, this module provides that extra bit of resolution with a larger viewable area. The module is designed for very low power consumption and can be provided with STN or FSTN glass. An EL backlight and/or an integrated touch screen are also available. Ideal for portable devices, instrumentation panels, etc.

Specifications

Type: STN or FSTN, yellow, positive, transfective
Resolution: 320 x 256 pixels
Pixel size: 0.35 x 0.35 mm²
Pixel pitch: 0.39 mm
Active area: 124.76 x 99.80 mm²
Viewable area: 129.78 x 104.82 mm²
Module dimensions: 138 (W) x 116 (H) x 11.5 (T) mm³

Optimum viewing angle: 6 O'Clock

Operating temperature: 0° to + 40° C
Storage temperature: - 20° to + 60° C

Drivers : Seiko-Epson 1742 and 1743

Power consumption: $V_{LCD} = 28 V, I = 4 mA$
 $V_{CC} = 5 V, I = 800 \mu A$



Operating voltages: 5 V and 28 V **MUX:** 1:256 **Bias:** 1:17

I/O: 14 pins

Pin assignment:

Pin	Signal
1	Frame
2	DF
3	LOAD
4	CP
5	/DOFF
6	UD0
7	UD1

Pin	Signal
8	UD2
9	UD3
10	V _{CC}
11	GND
12	V _{LCD}
13	NC
14	NC

Options :

- EL backlight, blue-green, approx. 7 cd/m², separate power supply connection
- Touch screen, analog resistive, high linearity (1%)

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