

Optrex 50036/Solomon LM6083

Model	50036
Manufacturer	Optrex
Resolution	640x480
Number of Colors	Mono
Technology	STN-Mono
Interface	Digital

Filename	LC_CGAMO.XXX
Bios code	HA
Bios/Table version	V1.0/V1.0
Used Controller	535/540/545/548
Date of adaption	5.95
Size	6"

Notes

LCD signal	LCD connector pin	Controller signal
CP	3	CLK
FLM	1	FLM
LP	2	LP
VEE*	8	EVEE*
VCC	6	EVDD
VSS	7	GND
Vadj	5	
D0	9	P3
D1	10	P2
D2	11	P1
D3	12	P0

Voltage description	Voltage level	Maximum current	Note
VCC	+5V DC	30mA	
VEE	-27V to -32V DC	15mA	

The voltages for the lcd have to be switched in correct power-up and -down sequence. Use EVEE pin on the board to switch the external generated VEE. On some boards, this output is in TTL level only. An external fet or relais is needed for save switching of VEE. **Never connect VEE direct to the board or LCD!** Ask Digital-Logic LCD-Support for further informations.

For contrast adjustment connect a 10kOhm potentiometer between VEE and VDD. Connect the wiper to Vadj of LCD.

This display is compatible to:

Solomon LM6083