Sharp LM4Q30TA

Model	LM4Q30TA
Manufacturer	Sharp
Resolution	320x240
Number of Colors	Mono
Technology	DMTN-Mono
Interface	Digital

Filename	LC_LM4Q3.XXX
Bios code	A7
Bios/Table version	V1.0/V1.0
Used Controller	540/545
Date of adaption	7.99
Size	4,7"

Notes

LCD signal	LCD connector pin	Controller signal
CLK	3	CLK
S	1	FLM
CP1	2	LP
ENAB	11	M
VEE*	6	EVEE*
VDD	4	EVDD
GND	5,12	GND
D0	7	P3
D1	8	P2
D2	9	P1
D3	10	P0

Voltage description	Voltage level	Maximum current	Note
VDD	+3,3V DC	20mA	
VEE	+13 to +22V DC	5mA	

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.