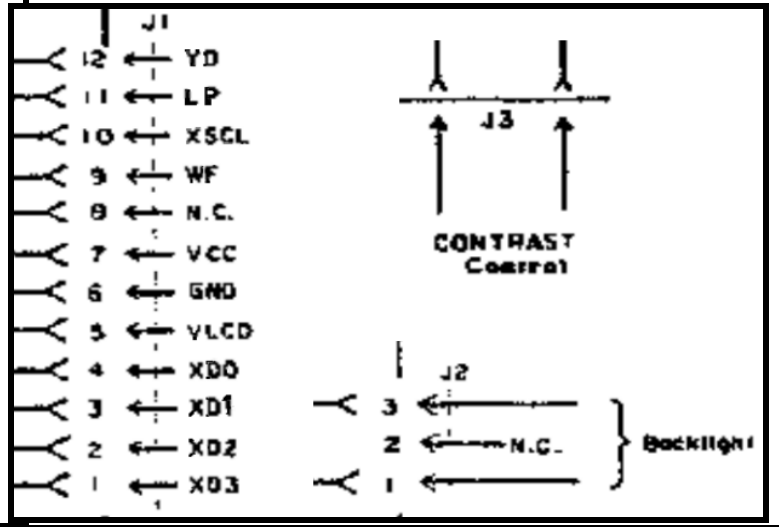


Original-Display: Sharp LM24010J

Monochrom, schwarze Pixel auf grünem Grund, 240x128 Pixel, 4-Bit-Bus (OHNE eigenen Grafikcontroller wie T6963 etc.)



NICHT zu verwechseln, mit ebenfalls als LM24010 (?!)bezeichneten 320x200 LCDs, oder gar farbigen mit 640x480 Dots...



Passen würde wohl ein recht ähnliches: Sharp **LM24010Z** - dessen wichtigste Daten:

Parameter	Specifications	Unit
Outline dimensions *1	176 (W) × 96 (H) × 22MAX (D)	mm
Effective viewing area	134 (W) × 76 (H)	mm
Display format	240 (W) × 128 (H) full dot	-

Item	Symbol	Rating			Unit
		MIN.	TYP.	MAX.	
Frame cycle	TFRM	12.5		14.3	ms
CP ₂ clock cycle	TCP ₂	500			ns
"H" level clock width	tCWH	230			ns
"L" level clock width	tCWL	230			ns
"H" level latch clock width	tLWH	130			ns
Date set up time	tSU	100			ns
Date hold time	tH	100			ns
CP ₂ ↑ clock allowance time from CP ₁ ↓	tS ₁₂	0			ns
CP ₁ ↑ clock allowance time from CP ₂ ↓	tS ₂₁	0			ns

Pin No.*1	Symbols	Description	Level
1	S	Scan start-up signal	"H"
2	CP1	Input data latch signal	H→L
3	CP2	Data input clock signal	H→L
4	NC	-	*2
5	NC	-	
6	VDD	Power supply for logic and LCD (+)	-
7	VSS	Ground potential	-
8	VEE	Power supply for LCD (-)	-
9	D1	Display data signal	H (ON), L (OFF)
10	D2		
11	D3		
12	D4		
13	GND	Power supply for CCFT	*3
14	NC	-	-
15	Vout	Power supply for CCFT	*3
16	VR1	Variable resistor (VEE potential)	*4
17	VR2	Variable resistor (Vref potential)	*4



SHARP LM24010U
MADE IN JAPAN
NO138CH
JCI-C1H

OKI JAPAN
M5298
6Y09

OKI JAPAN
M5298
6Y09

LH5022
SHARP
JAPAN
8639 A

LH5022
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8639 A

IR8E01
SHARP
8737 A

B7L00127

A733
P24XC