

Samtron/Samsung

20S204DA2

2x20, 5x7 CharSet, extra Cursor unter den Zeichen

Modulgröße: ?? x ?? mm

Dies ist kein offizielles Datenblatt sondern alles selbst ermittelt durch ausprobieren.

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Connector + Jumper

Connector20, 20-polig Pfostenstecker

Pin	Belegung	Info	Pin	Belegung	Info
1	? DB7		2	Vcc	
3	? DB6		4	Vcc	
5	? DB5		6	Vcc	
7	? DB4		8	Gnd	
9	? DB3		10	Gnd	
11	? DB2		12	Gnd	
13	? DB1		14	Gnd	
15	? DB0		16	/TEST	
17	? WR		18	? /SEL	
19	RxD	TTL Level	20	? BUSY	

Alle Signale mit einem “?” sind nur angenommen anhand Analogien zu anderen VFDs von Samsung.

Serial communication uses 1200 BPS 8 N 1 by default.

Jumper

A	B	C	Funktion
1	1	1	Factory Setting

0: Short 1: Open X: Don't Care

Protocol

Code	Bezeichnung	Beschreibung
DIM (0x04)	Dimming	DL DL dimming level value 100 % 0x80 .. 0xFF 60 % 0x60 .. 0x7F 40 % 0x40 .. 0x5F 20 % 0x00 .. 0x3F
BS (0x08)	Back Space	Cursor left, removing character
HT (0x09)	Horizontal Tab	Cursor right
CR (0x0D)	Carriage Return	Cursor left, same line
DP (0x10)	Display Position	POS POS position of cursor: 1 st line: 0x00 .. 0x13 2 nd line: 0x14 .. 0x27
DC1 (0x11)	Device Control 1	Normal Display Mode
DC2 (0x12)	Device Control 2	Vertical Scroll Mode
DC3 (0x13)	Device Control 3	Cursor On Mode
DC4 (0x14)	Device Control 4	Cursor Off Mode
DC5 (0x15)	Device Control 5	Cursor Blinking Mode
DC6 (0x16)	Device Control 6	Horizontal Scroll Mode
FA (0x18)	Font A	General European Font
FB (0x19)	Font B	Japanese Katakana Font
RST (0x1F)	Reset	Reset all settings, UDF, display content, etc
UDF (0x1B)	User Definable Font	CHR + PT1 + PT2 + PT3 + PT4 + PT5 CHR char code to define (0x00 .. 0x03) PT1 – PT5 Character pixel data