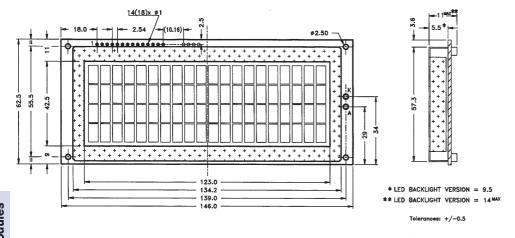
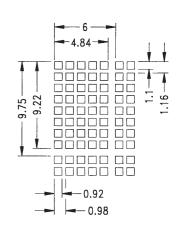
BT 42008

4 Lines x 20 Characters





Dimensions [mm]

Dot Size

■ MECHANICAL DATA

Parameter	Width x Height x Depth	Unit
Outline Dimensions	146 x 62.5 x 10 (with LED: 13.5)	mm
Effective viewing area	123.0 x 42.5	mm
Dot Size	0.92 x 1.10	mm
Dot Pitch	0.98 x 1.16	mm
Character Matrix	5 x 7	dots
Character Size	4.84 x 8.06	mm
Character Pitch	6.0 x 9.75	mm
Weight	Approximate 100 (with LED: 120)	g

■ ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	$v_{DD}(v_{DD}\text{-}v_{SS})$	0	7.0	٧
Supply Voltage (LCD Driver)	$V_{EE} (V_{DD} - V_0)$	0	13.5*	V
Input Voltage	v_{l}	V_{SS}	V_{DD}	V
Operating Temperature	T _{OP}	See Page 11		°C
Storage Temperature	T _{ST}	See Page 11		°C

^{*} AV-Types See Page 13

■ ELECTRICAL CHARACTERISTICS

Condition: Ta = 25°C, V_{DD} = 5.0 $^{\pm}$ 0.25 V					
Parameter	Symbol	Min.	Тур	Max.	Unit
Input Voltage HIGH	V _{INH}	2.2			V
Input Voltage LOW	V_{INL}			0.6	V
Output Voltage HIGH	V_{OH}	2.4			V
Output Voltage LOW	v_{OL}			0.4	V
Supply Current (Logic)	I_{DD}		1.5		mA
Supply Current (LCD Driver)	10		0.5		mA
Duty Ratio			1 / 16		

■ LED BACKLIGHT (STANDARD COLOR GREEN)

Parameter	Symbol	Min.	Тур	Max.	Unit
Supply Voltage	٧ _F	3.8	4.0	4.2	٧
Supply Current	I _F [at 25°C]		540	810	mA
Lamp Style			04		
LED Segments			54		pcs

■ PIN TABLE

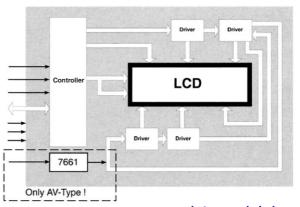
Pin	Symbol	Signal Description		
1	V_{SS}	GND (0 V)		
2	V_{DD}	Power Supply (5 V)		
3	V ₀ *	Supply Voltage (LCD Driver)		
4	RS	Register Select - LOW = Instruction, High = Data		
5	R/W	Read / Write LOW = MPU to LCM, HIGH = LCM to MPU		
6	E	Enable R / \overline{W} = LOW: Data are taking over at falling edge of E R / \overline{W} = HIGH: Data can be read at E = 1		
7 to 14	DB ₀ to DB ₇	Data Bus - Software selectable 4 or 8 Bit Mode		
15	NC	Not Connected	Only AV-Type	
16	NC	Not Connected	Only AV-Type	
17	VEE*	Negative Voltage Output	Only AV-Type	
18	NC	Not Connected	Only AV-Type	
A	+V _{LED}	Anode of LED Unit		
K	-V _{LED}	Cathode of LED Unit		
	* AV-Type: do	not connect		

^{*}AV-Type: do not connect

■ ADDITIONAL INFORMATION

- ◆ Display Connector Type without LED: 1 x 14 pin
- Display Connector Type with LED: See Drawing
- ◆ Controller Type SPLC 780 (1) or compatible

■ BLOCK DIAGRAM



Data Modul AG - Landsberger Str. 322 - 80687 München - Tel. 089-56017-0 - Fax 089-56017-119 - www.data-modul.de

