

DIP

Displays with Pins

new!



2x16
EA DIP162-DN3LW

Graphic 128x64
EA DIP128-6N5LW



75x27mm

1x8
EA 8081-A3N



2x8
EA DIPS082-HN



40x20mm



Graphic 122x32
EA DIP122-5NLED



1x8
EA DIP081-CNLED

2x16
EA DIP162-DNLED



4x20
EA DIP204-4NLED



68x27mm



ELECTRONIC ASSEMBLY

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SMART MOUNTING !

Assembling is done within 2 steps only: **place - solder - ready**. There are no more cable, screw or pin header necessary. Economy is double: first in development because there's no need to design any mechanical fixing; later while production is going you save time piece by piece for non-mounting the display because there's nothing to screw on.

BIG DISPLAY - LESS DIMENSIONS

DIP modules are using the available space optimal. Or do you know any other display with well readable 5.05~11.48mm character height with such compact outline dimension? Traditional displays do have smaller type size at much bigger physical outline. How does it work? DIP modules do not need these senseless pcb border with mounting holes and through hole connector.

COMPATIBLE

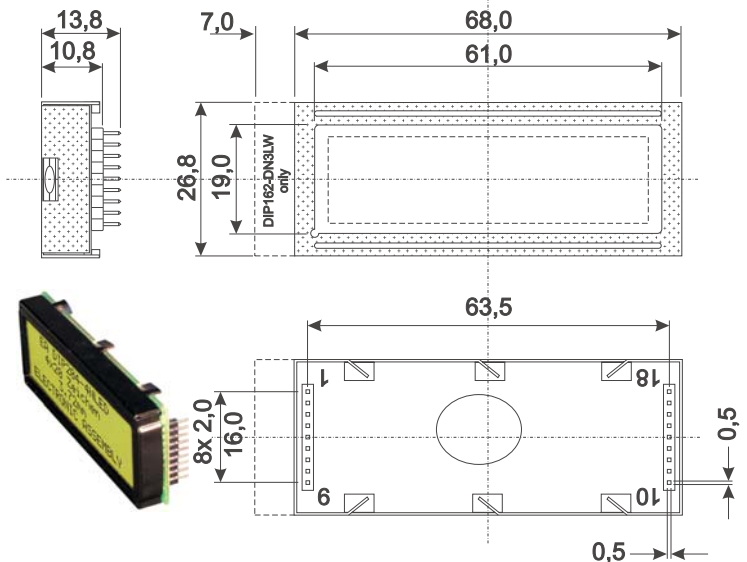
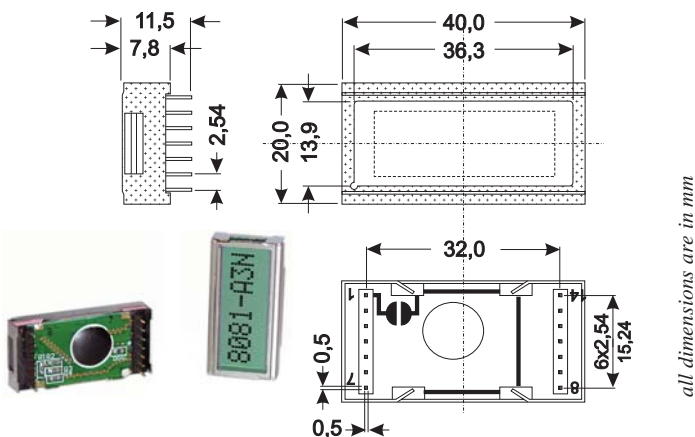
All modules from DIP series do have standard controller built in. Character displays are compatible to HD 44780 in pinout and software; graphic displays do have SED 1520 or KS 0107/0108 controller onboard. By the way modules of same series can replace each other because pinout and mechanical dimensions are compatible - adequate software supposed. Later on an upgrade from character to graphic display is possible at any time. The bigger sized modules do have a LED backlight built in (yellow/green or blue-white).



128x64 dots, 75x46mm

LOW POWER

Power consumption without backlight is typ. 1mA@5V and incl. blue-white backlight max. 60mA only. With yellow/green backlight typ. 150mA.



Small series				Small series			
Pin	Symbol	Level	Function	Pin	Symbol	Level	Function
1	VSS	L	Power supply 0V (GND)	8	D1	H / L	Display Data
2	VDD	H	Power supply +5V	9	D2	H / L	Display Data
3	VEE	-	Contrast voltage (0-0.5V)	10	D3	H / L	Display Data
4	RS	H / L	Command / Data	11	D4	H / L	Display Data
5	R/W	H / L	H=Read, L=Write	12	D5	H / L	Display Data
6	E	H	Enable (falling edge)	13	D6	H / L	Display Data
7	D0	H / L	Display Data, LSB	14	D7	H / L	Display Data, MSB

Big series				Big series			
Pin	Symbol	Level	Function	Pin	Symbol	Level	Function
1	VSS	L	Power supply 0V (GND)	10	D3	H / L	Display Data
2	VDD	H	Power supply +5V	11	D4	H / L	Display Data
3	VEE	-	Contrasts voltage	12	D5	H / L	Display Data
4	RS	H / L	Command / Data	13	D6	H / L	Display Data
5	R/W	H / L	H=Read, L=Write	14	D7	H / L	Display Data, MSB
6	E	H	Enable EA DIP122: left half	15	E2	H	Enable right half (EA DIP122 only)
7	D0	H / L	Display Data, LSB	16	RES	L	Reset (EA DIP122 only)
8	D1	H / L	Display Data	17	A	-	LED B/L. + (ext. resistor)
9	D2	H / L	Display Data	18	C	-	LED B/L. -

NEED MORE INFORMATIONS ?

At our web site you'll find more informations and a complete user manual: www.lcd-module.de/dip
Or fax the following inquiry:

Please fax an offer for
Part number / Quantity

Comany name

Your name

Street

Postal Code / City

Phone / Fax

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