

EDCON-COMPONENTS



Mechanical Data

Module Dimension	84,0 x 44,0mm
Viewing Area	64,6 x 13,8mm
Active Display Area	54,84 x 11,14mm
Mounting hole	79,0 x 36,0mm
Character Size H * L	5,38 x 2,94mm
Dot Size: H * L	0,62 x 0,54mm
Dot included cursor	5 * 8

Maximum Rating

Item	Symbol	Standard Unit			Unit
		min.	typ.	max,	
Power supply	VDD-VSS	-0,3	--	7	V
Input Voltage	VI	-0,3	--	VDD	V

Features

Built in controller
. +5V power supply / also (available for +3 V)
1/16 duty cycle
N.V. optional for +3V power supply
Operating Temperature normal: 0 ~ +50°C
Operating Temperature wide: -20 ~ +70°C

Electrical Characteristics

Item	Symbol	Condition	Standard Unit			Unit	
			min.	typ.	max,		
Input Voltage	VDD	VDD= +5V	4,7	5	5,3	V	
Supply Current	IDD	VDD= 5V	--	1,2	1,5	mA	
Recommend LC Driving Voltage for Normal Temperature Version modul	VDD- V0	-20°C	--	--	5,2	V	
		0°C	--	--	4,2	V	
		25°C	--	3,8	--	V	
		50°C	3,5	--	--	V	
		70°C	3,2	--	--	V	
LED Forw Volt	VF	25°C	--	--	--	V	
LED Forw Curr	IF	25°C	Array	--	100	--	V
			Edge	--	20	40	mA
EL Power Supply Current	IEL	Vol.=110VAC, 400Hz	--	--	5,0	mA	

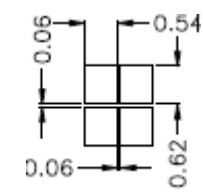
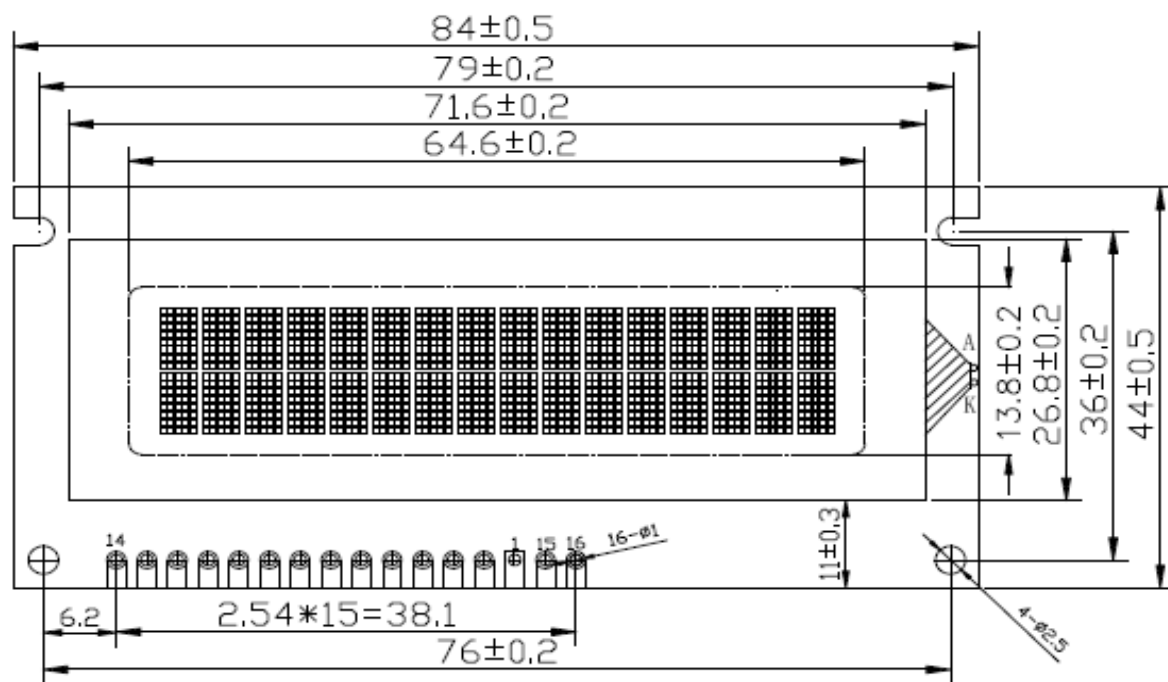
Pin	Symbol	Function
1	Vss	GND
2	Vdd	.+ 3V or +5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/W	H/L Read write signal
6	E	H → L Enable signal
7	DB0	H / L Data bus line
8	DB1	H / L Data bus line
9	DB2	H / L Data bus line
10	DB3	H / L Data bus line
11	DB4	H / L Data bus line
12	DB5	H / L Data bus line
13	DB6	H / L Data bus line
14	DB7	H / L Data bus line
15	LEDK	0V Backlight Kathode
16	LEDA	+.5V Backlight Anode

LCD-Display 16 x 2

Part No.: **J12003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	22.04.2014	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 3	

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Ordering Informations

Serie	Character	Lines	LCD Mode	Backlight Type	Temperature Mode	Viewing Direction	Character Language	Connector Special	ROHS	Packing
J12003	16	2	Y	N	N	A	1	xxx	R	TY

16= Character per line	2= Line per Display	B= TN Positive Gray	N= No Backlight	N= Normal	A= 6:00 Clock	1= Englisch European	xxx= for Special of Connecting , Cable, Connector	R= ROHS Conform	TY= Tray Packing
		N= TN Negative	B= EL Blue	W= Wide	B= 12:00 Clock	2= Englisch Japanese		N= NON ROHS Conform	
		G= STN Pos gray	D= EL Green			3= Englisch Cyrillic		IV= Individual Packing	
		Y= STN Pos Yellow/green	W= EL White			4= Hebrew			
		M= STN Neg Blue	Y= LED Yellow Green						
		F= FSTN Positive	A= LED Amber						
		T= FSTN Negative	R= LED Red						
		H= HTN Pos. Gray	G= LED Green						
		I= HTN Neg. Black	T= LED White						
	P= LED Blue								

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