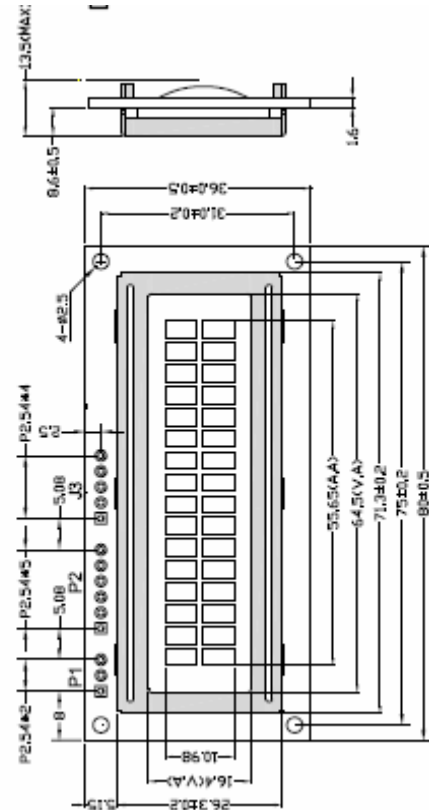
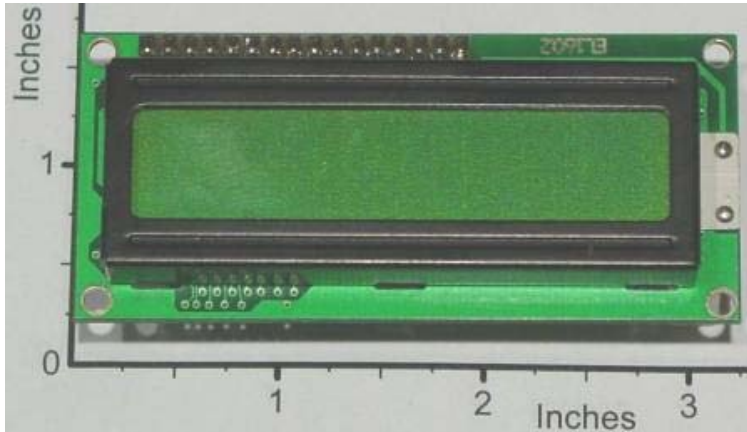


Si14LCD2L16CH, 2-Line by 16-Character LCD Display Module with 5V RS232 Port

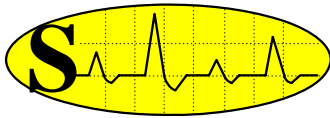


PIN ASSIGNMENT	
1	IRX
2	VSS
3	VDD

LCD type	<input type="checkbox"/> FSTN positive	<input type="checkbox"/> FSTN Negative
	<input type="checkbox"/> STN Yellow Green	<input checked="" type="checkbox"/> STN Blue
		<input type="checkbox"/> STN-Gray
View direction	<input checked="" type="checkbox"/> 6 O'clock	<input type="checkbox"/> 12 O'clock
Rear Polarizer	<input type="checkbox"/> Reflective	<input checked="" type="checkbox"/> Transmissive
Backlight Type	<input type="checkbox"/> LED	<input type="checkbox"/> EL
	<input type="checkbox"/> CCFL	<input checked="" type="checkbox"/> Internal Power
		<input type="checkbox"/> External Power
Backlight Color	<input type="checkbox"/> Yellow-Green	<input type="checkbox"/> Amber
	<input type="checkbox"/> Blue-Green	<input checked="" type="checkbox"/> White
Temperature Range	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Wide
DC to DC circuit	<input type="checkbox"/> Build-in	<input checked="" type="checkbox"/> Not Build-in
EI Driver IC	<input type="checkbox"/> Build-in	<input checked="" type="checkbox"/> Not Build-in
Touch screen	<input type="checkbox"/> With	<input checked="" type="checkbox"/> Without
Font type	<input checked="" type="checkbox"/> English-Japanese	<input type="checkbox"/> English-Eur open
	<input type="checkbox"/> English-Russian	<input type="checkbox"/> Other

2. MECHANICAL SPECIFICATIONS

Module size	80.0mm(L)*36.0mm(W)* Max135(H)mm
Viewing area	64.5mm(L)*16.4mm(W)
Character size	3.0mm(L)*5.23mm(W)
Character pitch	3.51mm(L)*5.75mm(W)
Weight	Approx.



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#### 4. Absolute maximum ratings

Item	Symbol	Standard			Unit
Power voltage	$V_{DD}-V_{SS}$	0	-	7.0	V
Input voltage	$V_{IN}$	VSS	-	VDD	
Operating temperature range	$V_{OP}$	-20	-	+70	°C
Storage temperature range	$V_{ST}$	-30	-	+80	

#### 8. Electrical characteristics

DC characteristics

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Input voltage	$V_{DD}$		4.7	5.0	5.5	
Supply current	$I_{DD}$	$T_a=25^{\circ}C, V_{DD}=5.0V$	-	125	-	mA
Input leakage current	$I_{LKO}$		-	-	1.0	uA
"H" level input voltage	$V_H$		2.2	-	$V_{DD}$	V
"L" level input voltage	$V_L$	Twice initial value or less	0	-	0.6	
"H" level output voltage	$V_{OH}$	LOH=0.25mA	2.4	-	-	
"L" level output voltage	$V_{OL}$	LOH=1.6mA	-	-	0.4	

#### RS232 Communication

To enter the RS232 mode, both jumpers, R1 and R2 are removed.

The RS232 signal must be 5V, TTL compatible. The communication format is 8-bit data, one stop bit, no parity and no hand shaking. The default BAUD rate is 9600, and it is changeable with a command function, once the BAUD rate is changed, it will be saved in the system memory, and it can be reversed back to default BAUD rate if either I<sup>2</sup>C or SPI protocol is selected.