



### Feature

1. Built-in controller Samsung- (KS0713)
2. 1/65 duty cycle
3. +3V power supply

### Pin Assignment

Pin	Symbol	Function
1	VDD	Power supply for logic
2	VSS	GND
3	CS1B	Chip select input pin
4	CS2	Chip select input pin
5	RES	Reset
6	RS	Register select signal
7	R/W	H/L Read/Write signal
8	E	H→L Enable signal
9	DB0	Data bus line
10	DB1	Data bus line
11	DB2	Data bus line
12	DB3	Data bus line
13	DB4	Data bus line
14	DB5	Data bus line
15	DB6	Data bus line
16	DB7	Data bus line
17	MI	H:6800-Series L:8080-Series
18	P/S	H:Parallel L:serial

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	56.0 x 84.0 x 1.9	mm
Viewing Area	52.0 x 36.0	mm
Dot Size	0.35 x 0.4	mm
Dot Pitch	0.37 x 0.42	mm

### Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-2.4	--	3.5	V
Input Voltage	VI	-0.3	--	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

### Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	L level	$0.8V_{DD}$	--	$V_{DD}$	V
	VIO	H level	--	--	--	V
Supply Current	IDD	VDD=+5V	--	--	--	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	--	--	10.5	V
		0°C	--	--	--	
		25°C	--	8.4	--	
		50°C	--	7.0	--	
		70°C	--	--	--	