

● Interface Pin Function

PIN	Symbol	IO	Functions
1	GND	P	Power ground
2	LEDA	P	Power for LED backlight anode
3	LEDK4	P	Power for LED backlight cathode
4	LEDK3	P	Power for LED backlight cathode
5	LEDK2	P	Power for LED backlight cathode
6	LEDK1	P	Power for LED backlight cathode
7	GND	P	Power ground
8	NC	-	No connection
9	IM0	I	Select the MCU interface mode
10	RESET	I	Reset signal
11	D15	I/O	Data input
12	D14	I/O	Data input
13	D13	I/O	Data input
14	D12	I/O	Data input
15	D11	I/O	Data input
16	D10	I/O	Data input
17	D9	I/O	Data input
18	D8	I/O	Data input
19	D7	I/O	Data input
20	D6	I/O	Data input
21	D5	I/O	Data input
22	D4	I/O	Data input
23	D3	I/O	Data input
24	D2	I/O	Data input
25	D1	I/O	Data input
26	D0	I/O	Data input
27	RD	I	Read signal
28	WR	I	Write signal
29	RS	I	Command/date Select
30	CS	I	Chip select
31	NC	-	No connection
32	VDDI	P	Low voltage power supply for interface logic circuits
33	VCI	P	High voltage power supply for analog circuit blocks
34	NC	-	No connection
35	NC	-	No connection
36	NC	-	No connection
37	NC	-	No connection
38	NC	-	No connection
39	GND	P	Power ground

● Electrical Characteristics

Item	Symbol	Min.	Typ.	Max.	Unit	Remark
Power supply	VCI	2.4	2.75	3.3	V	
	IOVCC	1.65	1.8	3.3	V	
	IDD	--	--	30	mA	
Input Voltage for logic	H Level	V_{IH}	0.7x IOVCC	--	IOVCC	V
	L Level	V_{IL}	VSS	--	0.3x IOVCC	V
Output Voltage for logic	H Level	V_{OH}	0.8x IOVCC	--	IOVCC	V
	L Level	V_{OL}	VSS	--	0.2x IOVCC	V
Power consumption	8 Color Mode	--	16.8	22.5	mW	
	Sleeping Mode	--	140	165	uW	