



Parameter	Specification	Unit	Pin No.	Symbol	I/O	Description
LCD size	7.0(Diagonal)	inch	1	NC	-	No connection.
Resolution Ratio	1280(H)×768(V)	pixels	2-3	VDD	P	Ground.
Pixel Pitch	0.1191(H)×0.1191(V)	mm	4	NC	-	No connection.
Active Area	152.45(H)×91.47(V)	mm	5	XRES	I	Reset signal input. (Active Low).
Module Size	162.5(W)×104.4(H)×12.64(D)	mm	6	NC	-	No connection.
Display Mode	Normally Black / Transmissive		7	GND	P	Ground.
Interface	LVDS 8bit		8	RXIN0N	I	LVDS Negative differential data signal.
Display Colors	16.7M	Colors	9	RXIN0P	I	LVDS Positive differential data signal.
View Direction	ALL	O'clock	10	GND	P	Ground.
Power Supply	3.3	V	11	RXIN1N	I	LVDS Negative differential data signal.
Power Consumption	LCD=0.3(Typ.) @vdd=3.3V BL=3.8(Typ.) @IBL=210mA	W	12	RXIN1P	I	LVDS Positive differential data signal.
Weight	180 (Typ.)	g	13	GND	P	Ground.
Luminance	1000 (Typ.)	cd/m ²	14	RXCLKN	I	LVDS Negative clock signal.
Driver IC	BU76R32CH-C3BW		15	RXLCKP	I	LVDS Positive clock signal.
Operating Temperature	-30~+85	°C	16	GND	P	Ground.
Storage Temperature	-40~+90	°C	17	RXIN2N	I	LVDS Negative differential data signal.
			18	RXIN2P	I	LVDS Positive differential data signal.
			19	GND	P	Ground.
			20	RXIN3N	I	LVDS Negative differential data signal.
			21	RXIN3P	I	LVDS Positive differential data signal.
			22	GND	P	Ground.
			23	SCL	I	Serial Clock. Write: Data is latched at rising edge. Read: Data is outputted at falling edge.
			24	SDI	I	Serial Data Input. When XCS is H, input data is ignored.
			25	SDO	O	Serial Data Output
			26	XCS	I	Chip Select Signa. Active Low.
			27	NTC-	I	Heat sensor cathode.
			28-29	NC	-	No connection.
			30	GND	P	Ground.
			31-32	LEDK	P	Power supply for LED cathode input.
			33	HVR	I	Vertical and Horizontal Flip. L:No Effect on TB Setting for Vertical Flip and RL Setting for Horizontal Flip; H:Invert Settings of TB and RL(RIGHT TO Left and Bottom to Top),Switching timing is synchronized with VSYNC.
			34	NC	-	No connection.
			35	NTC+	I	Heat sensor anode.
			36-38	NC	-	No connection.
			39-40	LEDA	P	Power supply for LED anode input.

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	2.8	3.3	3.6	V
Power Supply current	IDD	--	90	120	mA
Differential Input Voltage for LVDS Receiver Threshold	H	VIH	0.7VDD	-	VDD
	L	VIL	0	-	0.3VDD

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	VF	--	18.0	--	V
Forward Current	IF	--	210	240	mV
LED Lifetime	-	-	50K	-	Hrs