

Mechanical Data

Item	Standard Value	Unit
Module Dimension	55.2x39.8	mm
Viewing Area	45.2x27.0	mm
Dot Pitch	0.32x0.38	mm
Dot Size	0.28x0.34	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	---	5.0	V
Input Voltage	VI	-0.3	---	VDD+0.3	V

Note: VSS=0 Volt, VDD=3.3 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	2.7	3.0	3.3	V
Supply Current	IDD	VDD=3V	---	0.49	1	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	9.1	9.3	9.5	V
		0°C	---	---	---	
		25°C	8.8	9.0	9.2	
		50°C	---	---	---	
		70°C	8.4	8.6	8.8	
LED Forward Voltage	VF	25°C	3.4	3.5	3.6	V
LED Forward Current	IF	25°C	43.2	48	75	mA

Feature

1. Built-in controller (ST7565P or Equivalent)
2. 1/64 duty cycle
3. +3.3V power supply

Pin NO.	Symbol	Pin NO.	Symbol
1	IRS	18	CAP5+
2	/HPM	19	VOU
3	P/S	20	Vss
4	C86	21	VDD
5	VR	22	D7
6	V0	23	D6
7	V1	24	D5
8	V2	25	D4
9	V3	26	D3
10	V4	27	D2
11	VRS	28	D1
12	CAP4+	29	D0
13	CAP2-	30	/RD(E)
14	CAP2+	31	/WR(R/W)
15	CAP1+	32	A0
16	CAP1-	33	/RES
17	CAP3+	34	/CS1

COG
type

RX12864C2 COG 128x64 dots

Dimension drawing

