

Mechanical Data

Item	Standard Value	Unit
Module Dimension	80.0x54.0	mm
Viewing Area	70.7x38.3	mm
Dot Pitch	0.52x0.52	mm
Dot Size	0.48x0.48	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=3.0V	---	0.6	1.0	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	10.0	10.2	10.4	V
		0°C	---	---	---	
		25°C	9.8	10.0	10.2	
		50°C	---	---	---	
70°C	9.6	9.8	10.0			
LED Forward Voltage	VF	25°C	3.4	3.5	3.6	V
LED Forward Current	IF	25°C	14.4	16	25	mA

Feature

1. Built-in controller (ST7565P or Equivalent)
2. 1/65 duty cycle
3. +3.3V power supply
4. RX12864D3: Outline dimension is different and with 6 LED dices

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

COG type

RX12864D2/D3 COG 128x64 dots

Dimension drawing

