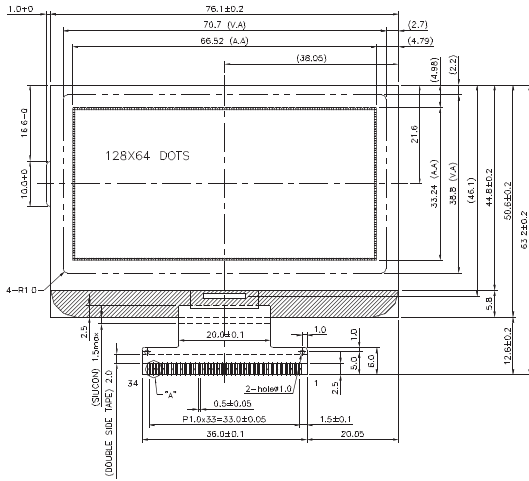
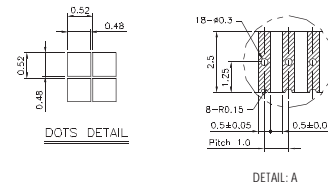
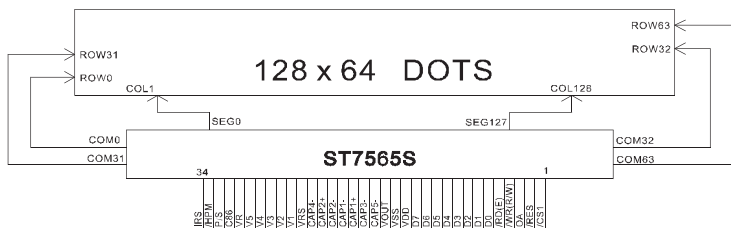
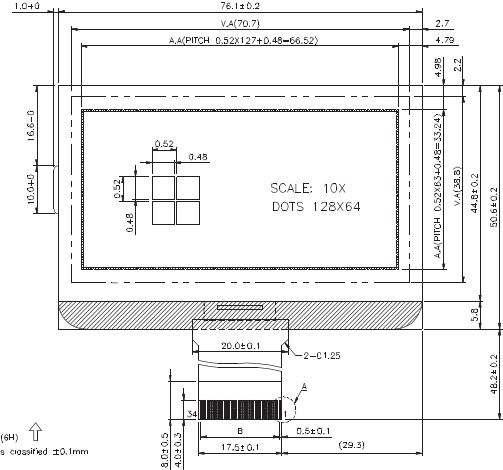


## RE12864-004



## RE12864-004-C1



### Features:

- Resolution: 128S\*64C Dots
- Duty ratio:1/64
- LCD option: STN, FSTN
- Backlight option(H2/H1mm): None(-/1.9), LED(6.5/9.7)
- Controller IC:ST7565S

### Optional:

- RE12864LRU-004-H-P1:With PCB, dimension same as RG12864-O
- RE12864URF-004-H for blue LED backlight version
- FPC cable for ZIF connector available

### Pin Assignment

Pin no.	Symbol	Function
1	/CS1	Chip selection
2	/RES	Reset
3	A0	Selection to display or control data
4	WR(R/w)	Read/write selection
5	RD(E)	Read enable
6~10	D0~D7	Data bus
11	VDD	Power supply
12~18	VSS	Ground
19	VOUT	DC/DC converter
20	CAP	Capacitor selection to DC/DC voltage
21	VRS	Power supply for LCD voltage regulator
22~29	V1~V5	Multi-level power supply for LCD
30	VR	Contrast adjust
31	C86	Switch to 6800 or 8080 MPU interface
32	P/S	Selection to parallel/serial data input
33	HPM	Power control terminal
34	IRS	Selection to voltage

### Absolute Maximum Rating

Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	5.0	V
LCD driving supply voltage	Vdd-Vee	25°C	-4.0	-13.0	V
Input Voltage	Vin	25°C	-0.3	Vdd+0.3	V

### Electrical Characteristics

Item	Symbol	Condition	Min.	Typical	Max.	Units		
Power supply voltage	Vdd-VSS	25°C	3.2	3.3	3.4	V		
LCD operation voltage	Vop	Top	N	W	N	W	V	
		-20°C	-	-	-	-	V	
		0°C	-	-	-	-	V	
		25°C	-	9.8	-	10.0	-	V
		50°C	-	-	-	-	-	V
		70°C	-	-	-	-	-	V
LCM current consumption (No B/L)	Idd	Vdd=3.3V	-	0.5	1.3	mA		
Backlight current consumption	LED/Y.G	V B/L=4.2V	-	80	-	mA		
	LED/Blue	V B/L=3.3V	-	80	-	mA		