

UJ Light Technologies

Feature

- 1. COG package
- 2. Built-in controller ST7567S

- 3. +3.3 V power supply
 4. 1/64 duty cycle
 5. On chip LCD booster
- 6. Option LED B/L

Mechanical Data

Item	Standard Value	Unit
Module Dimension	80.0 x 54.0 x 9.7	mm
View Area	70.7 x 38.8	mm
Dot Size	0.48 x 0.48	mm
Dot Pitch	0.52 x 0.52	mm



Pin Assignment

Pin No.	Symbol	Level	Description							
1	/CS1	_	This is the chip select signal							
2	/RFS		When /RES is set to "L," the settings are initialized.							
	/KES	'	The res	et operati	ion is p	erformed by the /RES signal level.				
			It determines whether the access is related to data or command.							
3	A0	1	A0="H": Indicates that signals on D[7:0] are display data.							
			A0="L"	signals on D[7:0] are command.						
			Read/W	rite exec	ution co	ontrol pin. When PSB is "H",				
	/WR (R/W)	1	C86	MPU Type	RWR Description					
4			н	6800 series	R/W	Read/Write control input pin. R/W="H": read. R/W="L": write.				
			L	L 8080 series WR WR Write enable input pin. Signals on D[7:0] will be latched at the rising edge of MR signal.						
			WR is used to decide slave address (SA1) in I2C serial interface. WR is not used in 3-line and 4-line SPI interface and should fix to "H" b VDD.							
			Read/W	Read/Write execution control pin. When PSB is "H",						
5	/RD(E)		C86	MPU Type	ERD	Description				
			н	6800 series	E	Read/Write control input pin. RWY="H": When E is "H", D[7:0] are in output mode. RWY="L": Signals on D[7:0] are latched at the falling edge of E signal.				
			-/ '	L	8080 series	/RD	Read enable input pin. When /RD is "L", D[7:0] are in output mode.			
			, ,	s not use		slave address (SA0) in I2C serial interface. ine and 4-Line SPI interface and should fix to				

			Stol-Goz. Gold. Glock Input.						
	D0(SCL)		D[1]=SDA_IN: Serial data input.						
6~13	D1(SDA)	I/O	D[2:3]=SDA_OUT: Serial data output.						
	D2~D7		D[1:3] must be connected together as SDA.						
			D[4:7]=(1,1,1,1): ID Pin. D[4:7] should fix to "H" or "L" by VDD or VSS.						
			ID[0:3] can be read 4-bit ID only for serial interface from D[4:7].						
14	VDD	3.3V	Power supp	oly for logic					
15	VSS	0V	Power supp	oly for logic	GND				
16~18	NC	-	Not used.	Not used.					
19	V0	0	V0 is the LCD driving voltage for common circuits at negative frame.						
20	XV0	0	XV0 is the LCD driving voltage for common circuits at positive frame.						
21~24	NC	-	Not used.						
25	VG	0	VG is the LCD driving voltage for segment circuits.						
26~30	NC	-	Not used.						
31	C86	- 1	C86 selects the microprocessor type in parallel interface mode.						
32	PSB	ı	PSB selects the interface type: Serial or Parallel.						
			SI2 selects the interface type: I2C serial interface or not						
			SI2	PSB	C86	Selected Interface			
	.3 SI2 I		"L"	"L"	"L"	Serial 3-Line SPI Interface			
			"L"	"L"	"H"	Serial 4-Line SPI Interface			
33 8		"L"	"H"	"L"	Parallel 8080 Series MPU Interface				
			"L"	"H"	"H"	Parallel 6800 Series MPU Interface			
			"H"	"L"	"X"	I2C Serial Interface			
			Please refer to "APPLICATION NOTES" and "Microprocessor Interface" (Section 6) for detailed connection of the selected interface.						
				,					

D[0]=SCL: Serial clock input

Electronic Characteristics

Item	Symbol	Condition	Min	Тур	Max	Unit
Supply Voltage For Logic	Vdd-Vss	_	3.0	3.3	3.6	V
Supply Voltage For LCD	V0-XV0	Ta=25°C	9.9	10.2	10.5	V
Supply Current	Idd	Vdd=3.3V	_	0.5	_	mA
LCM Surface Luminance Ta=25°C	L	I _{LED} =40mA Display all OFF	3	4	_	cd/m ²

Dimension

