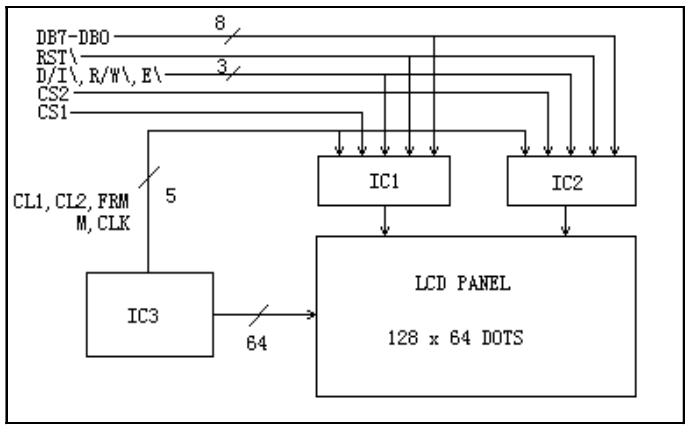
JHD12864E SERIES

CHARACTERISTICS

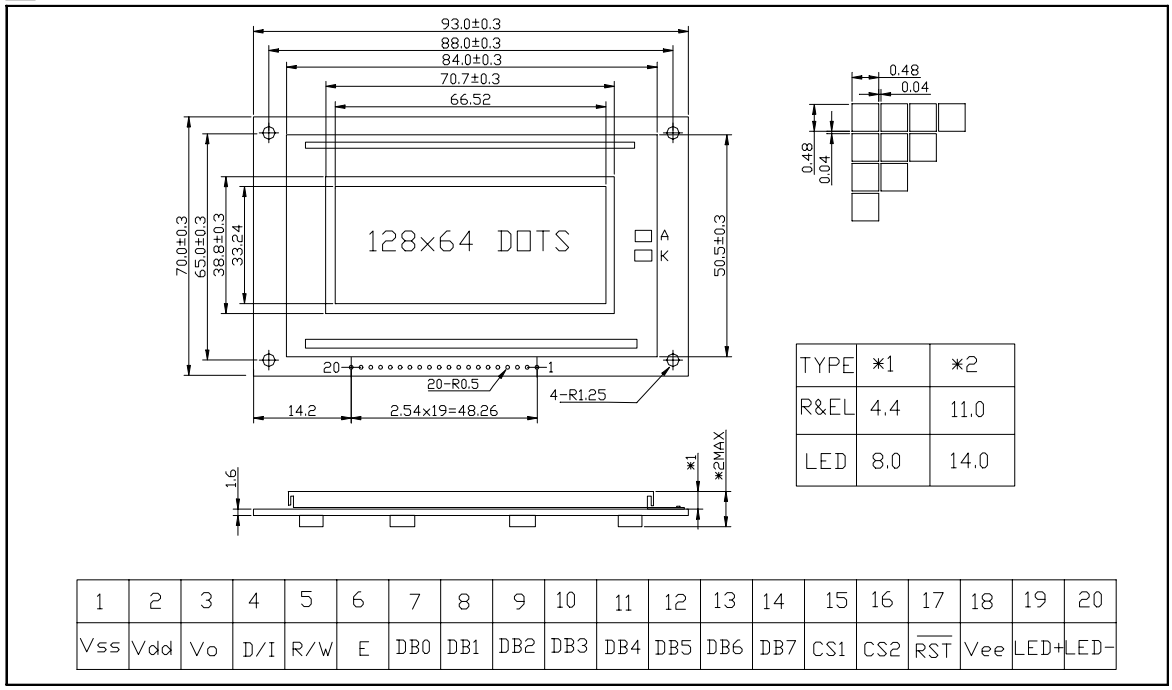
DISPLAY CONTENT：128 x 64 DOTS
DRIVING MODE：1/64D
AVAILABLE TYPES：

STN(YELLOW GREEN、GREY、B/W)
REFLECTIVE、WITH EL OR LED
EL/100VAC，400HZ
LED/4.2VDC

APPLICATION CIRCUIT



DIMENSIONS/DISPLAY CONTENT



TYPE	*1	*2
R&EL	4.4	11.0
LED	8.0	14.0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Vss	Vdd	Vo	D/I	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	CS1	CS2	$\overline{RST}$	Vee	LED+	LED-

LIMIT PARAMETER

PARAMETER	Symbol	Testing Criteria	Standard Values		UNIT
			MIN	MAX	
Supply Voltage	V_{DD}-V_{SS}	Ta=25℃	0	6.5	V
LCD Voltage	V_{DD}-V_0		0	15.0	V
Input Voltage	V_1		0	V_{DD}	V

ELECTRIC PARAMETER

PARAMETER		Symbol	Testing Criteria	Standard Values			UNIT
				MIN	Typical	MAX	
Voltage	LOGIC	V_{DD}-V_{SS}	-	4.75	5.0	5.25	V
	LCD	V_{DD}-V_0	-	-	13.0	-	V
Current	LOGIC	I_{DD}	-	-	4.0	-	mA
	LCD	I_{EE}	-	-	3.0	-	mA
LCD Drive Voltage (recommend)			0℃	-	14.0	-	V
			25℃	-	13.0	-	V
			40℃	-	12.0	-	V
Input Voltage	‘ H ’ Level	V_{IH}	High	0.7V_{DD}	-	V_{DD}	V
	‘ L ’ Level	V_{IIL}	Low	0	-	0.3V_{DD}	V

PIN CONFIGURATION

PIN	SYMBOL	LEVEL	INSTRUCTION
1	V_{SS}	0V	Ground contact（GND）
2	V_{DD}	5.0V	Power Supply Voltage
3	V_0	LCD Drive Voltage	Adjust Contrast
4	D/I	H/L	H:DATA；L:COMMAND
5	R/W	H/L	H:READ；L:WRITE
6	E	H,H→L	IC select signal
7	DB0	H/L	DATA 0
8	DB1	H/L	DATA 1
9	DB2	H/L	DATA 2
10	DB3	H/L	DATA 3
11	DB4	H/L	DATA 4
12	DB5	H/L	DATA 5
13	DB6	H/L	DATA 6
14	DB7	H/L	DATA 7
15	CS1	H	Select Signal 1,High effective
16	CS2	H	Select Signal 2,High effective
17	RST	L	RESET signal，low effective
18	V_{EE}	-10.0V	LCD Drive negative voltage
19	LED+		Back LED Anode
20	LED-		Back LED Negative