

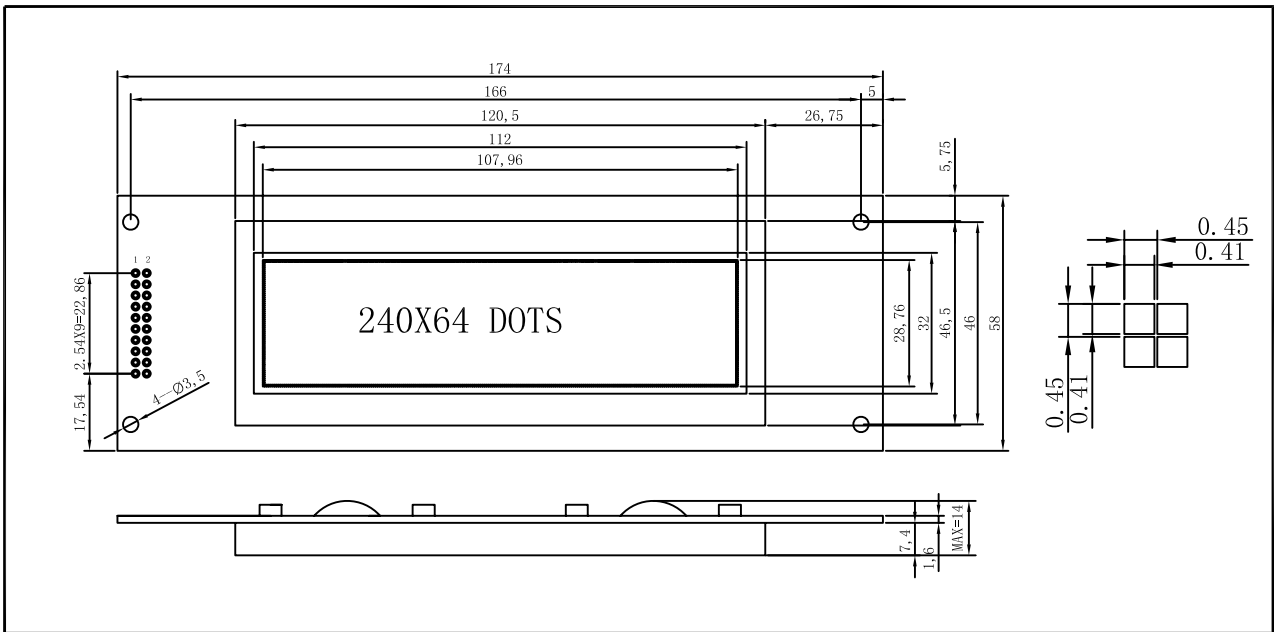
GRAPHIC-COB

24064H-2 Series

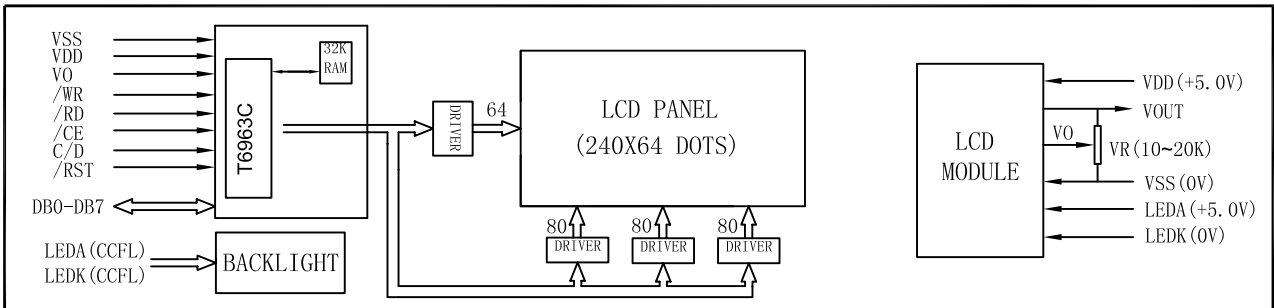
用心制造

240X64 DOTS
1/64 DUTY, 1/9 BIAS

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

LTEM	NORMAL DIMENSIONS (MM)	FEATURE	
MODULE SIZE (W*H*T)	174.0 X 58.0 X 14.0	LCD TYPE	STN FSTN
VIEW AREA (W*H)	112.0 X 32.0	LCD COLOUR	STN: BLUE, GRAY FSTN: GRAY
DOTSXDOTS (W*H)	240 X 64	VIEW ANGLE	6 0' CLOCK, 12 0' CLOCK
DOT PITCH (W*H)	0.45 X 0.45	DISPLAY TYPE	POSITIVE TYPE, NEGATIVE TYPE
DOT SIZE (W*H)	0.41 X 0.41	REAR POLARIZER	TRANSMISSIVE, REFLECTIVE, TRANSFLECTIVE
---	---	OPERATING TEMPERATURE	-10°C ~ 60°C -20°C ~ 70°C
---	---	BACKLIGHT	LED: WHITE, YELLOW-GREEN CCFL: WHITE WITHOUT

ELECTRICAL CHARACTERISTICS

LTEM	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	VDD	Ta=25°C	---	5.0	---	V
OPERATING VOLTAGE FOR LCD	VLCD	Ta=25°C	---	10.0	---	V
SUPPLY CURRENT	IDD	Ta=25°C, VDD=5.0V	---	9.0	15.0	MA
SUPPLY CURRENT FOR BACKLIGHT (LED)	IF	Ta=25°C, VF=3.2V	---	80	---	MA

INTERFACE PIN CONNECTIONS

PIN NO	SYMBOL	LEVEL	DESCRIPTION
1	VDD	---	POWER SUPPLY FOR LOGIC
2	VSS	---	GROUND FOR LOGIC
3	VO	---	POWER SUPPLY FOR LCD DRIVE
4	VOUT	---	NEGATIVE VOLTAGE OUTPUT
5	NC		
6	/WR	L	WRITE SIGNAL
7	/RD	L	READ SIGNAL
8	C/D	H/L	REGISTER SELECT SIGNAL
9	/CE	L	CHIP SELECTION
10	/RST	L	RESET SIGNAL
11-18	DB0-DB7	H/L	DATA BUS LINES
19	LEDA	---	POWER SUPPLY FOR BACKLIGHT(+)
20	LEDK	---	POWER SUPPLY FOR BACKLIGHT(-)

REMARK