

<h1>G320240-1</h1>	320 DOTS×240 DOTS	1/240 DUTY	1/16 BIAS
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FEATURE:

LCD TYPE	STN/FSTN
LCM BACKLIGHT TYPE	FL /LED BACKLIGHT
LCM CONTROLLER IC	BUILT IN SED1335FOA OR EQUIVALENT
POWER SUPPLY FOR LCM	DC +5.0V
LED BACKLIGHT INPUT	DC +5.0V
EL BACKLIGHT INPUT	
EL INVERTER	
FL BACKLIGHT INPUT	
FL INVERTER	
LCM DIMENSION	166.8×109.0×1.1 mm
LCM VIEWING AREA	122*92 mm
LCD DOT SIZE	0.33×0.33 mm
LCD DOT PITCH	0.36×0.36 mm

3.ABSOLUTE MAXIMUM RATINGS:

ITEM	SYM	MIN	TYP	MAX	UNIT
OPERATING TEMP.	Top	0	-	+50	
STORAGE TEMP.	Tst	-10	-	+60	
INPUT VOLTAGE	Vi	Vss	-	VDD	V
SUPPLY VOL. FOR LOGIC	VDD-VSS	-	-	7.0	V
SUPPLY VOL. FOR LCD	VDD-VEE	25.0	-	-	V

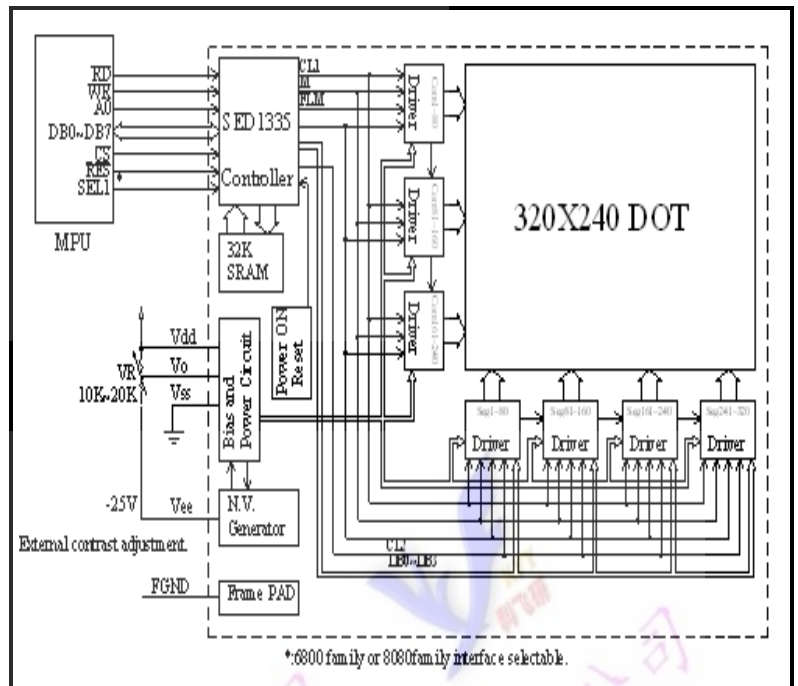
5.INTERFACE PIN CONNECTIONS:

NO	SYM	LEVEL	FUNCTION
1	VSS	-	0V
2	VDD	-	+5V
3	VO	-	CONTRAST ADJ.
4	AO	H/L	RD=L WR=H ,AO=L :Data Read AO=H :Status read RD=H WR=L ,AO=L :Data Write AO=H :Command write
5	WR	L	WRITE SIGNAL
6	RD	L	READ SIGNAL
7	DB0	H/L	DATA BIT0
8	DB1	H/L	DATA BIT1
9	DB2	H/L	DATA BIT2
10	DB3	H/L	DATA BIT3
11	DB4	H/L	DATA BIT4
12	DB5	H/L	DATA BIT5
13	DB6	H/L	DATA BIT6
14	DB7	H/L	DATA BIT7
15	/CS	H/L	Chip select,Active L
16	/RES	H/L	Controller rest signal Active L
17	VEE	-25V	Negative voltage output (Optional)
18	SEL1	H/L	H:6800 L:8080
19	FGND	---	Frame ground
20	LED(+)	---	LED BACKLIGHT +5.0V

2.ELECTRICAL CHARACTERISTICS:

ITEM	SYM	CONDITION	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-VSS	Ta = 2 5	4.5	5.0	5.5	V
SUPPLY VOLTAGE FOR LCD DRIVER	VEE-VSS	Ta = 2 5	-	-	-25.0	V
OPERATING VOL. FOR LCD MODULE	VDD-VO	Ta = 2 5	-	21.5	-	V
INPUT HIGH VOL.	V _{IH}	-	0.7V _{DD}	-	V _{DD}	V
INPUT LOW VOL.	V _{IL}	-	0	-	0.3V _{DD}	V
SUPPLY CURRENT FOR LOGIC	I _{DD}	V _{DD} =5.0V	-	-	15.0	mA
SUPPLY CURRENT FOR LCD	I _{LCD}	V ₀ =-20.0V	-	-	20.0	mA
LED CURRENT	I _F	Ta = 2 5	-	180	-	mA
LED DISSIPATION	P _D	Ta = 2 5	-	900	-	mW

4. BLOCK DIAGRAM:



6.DIMENSIONAL DRAWING :

