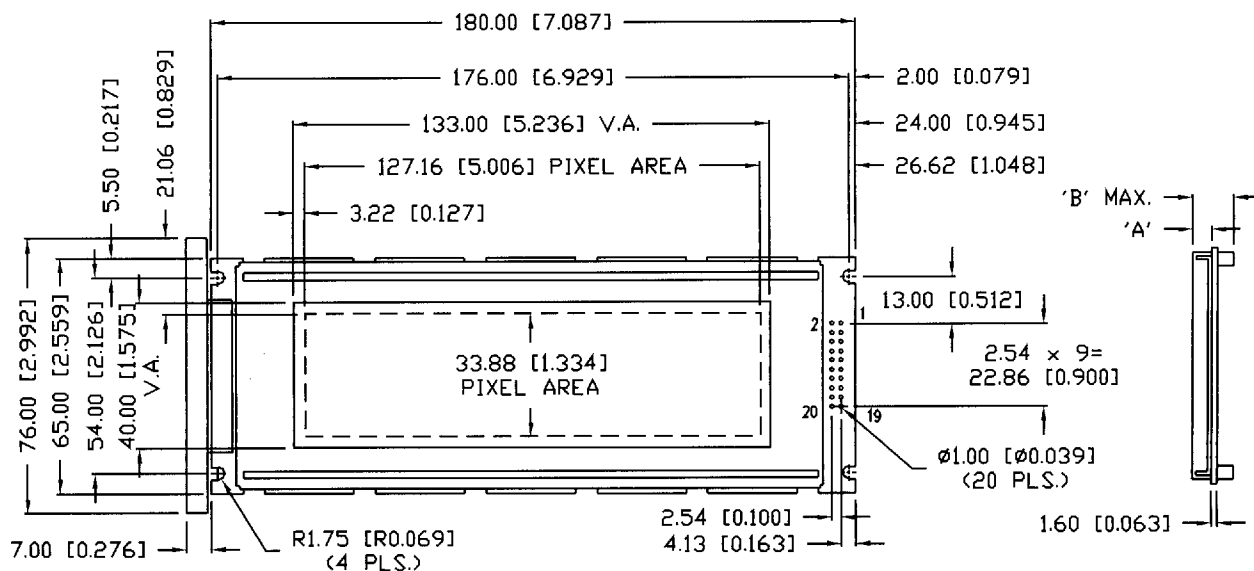


LCM-X24064GXX(-X)

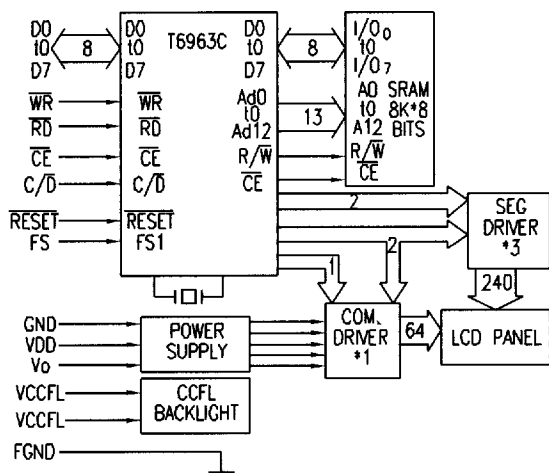
240 x 64

P/N PREFIX/SUFFIX TABLE			
LCM-X		GXX	DESCRIPTION
STANDARD	S	SR	STN, REFLECTIVE
		SF	STN, TRANSFLECTIVE, (W/LED BACKLIGHT)
HIGH TEMP.	H	WF-C	FSTN, TRANSFLECTIVE, (W/CCFL BACKLIGHT)
		WF-L	FSTN, TRANSFLECTIVE, (W/EL BACKLIGHT)

VERSION	A	B	MODULE SIZE
R & EL	5.2	11.5	180x65
CCFL	7.5	14.0	187x76



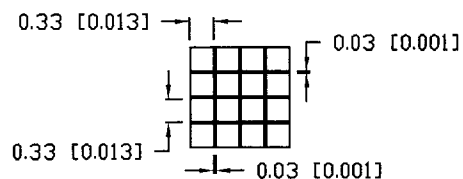
BLOCK DIAGRAM



PIN CONFIGURATION

PIN NO.	1	2	3	4	5	6	7
SYMBOL	FGND	GND	V _{DD}	V _O	\overline{WR}	\overline{RD}	\overline{CE}
PIN NO.	8	9	10	11~18	19	20	
SYMBOL	C/D	N/C	RESET	D0~D7	FS	N/C	

PIXEL DETAIL



ELECTRO-OPTICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Power Supply Voltage for Circuit	V _{DD} - V _{SS}	-	4.75	5.0	5.25	V
Power Supply Voltage for LCD Drive	V _{DD} - V _{EE} ∅=10°C θ=0∅ Duty = 1/64	T _a = 0°C	-	14.9	-	V
		T _a = 25°C	-	13.0	-	V
		T _a = 40°C	-	12.5	-	V
Input Voltage Note (1)	V _{IH}	High Level	V _{DD} - 2.2	-	V _{DD}	V
	V _{IL}	Low Level	0	-	0.8	V
Output Voltage Note (1)	V _{OH}	High Level	V _{DD} - 0.3	-	V _{DD}	V
	V _{OL}	Low Level	0	-	0.3	V
Power Supply Current for Logic	I _{DD}	V _{DD} -V _{SS} = 5V V _{EE} -V _{SS} = -3.7V	-	9.0	-	mA
Viewing Area	∅2 - ∅1	K≥1.4	40	-	-	deg

Note 1: Applied to Terminals D0~D7, FS \overline{RD} , \overline{CE} , C/D, \overline{RESET} , \overline{WR} .

ELECTRIC MAXIMUM RATING

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Power Supply for LCD Drive	V _{DD} - V _{EE}	0	-	23.0	V
Power Supply for Logic	V _{DD} - V _{SS}	0	-	7.0	V
Input Voltage	V _I	V _{SS}	-	V _{DD}	V

MECHANICAL SPECIFICATIONS

PARAMETER	DIMENSIONS (mm)
Overall Size	180.00 x 76.00
Viewing Area	133.00 x 40.00
Number of Pixels	240.00 x 64.00
Pixel Pitch	0.53 x 0.53
Pixel Size	0.49 x 0.49

FEATURES

PART NUMBER	LCD MODE	BACKLIGHT
LCM-X24064GSR	STN REFLECTIVE	NONE
LCM-X24064GSF	STN TRANSFLECTIVE	LED
LCM-X24064GWF-C	FSTN TRANSFLECTIVE	CCFL
LCM-X24064GWF-L	FSTN TRANSFLECTIVE	EL

X = S (standard), or H (high)

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[LCM-H24064GWF-C](#)