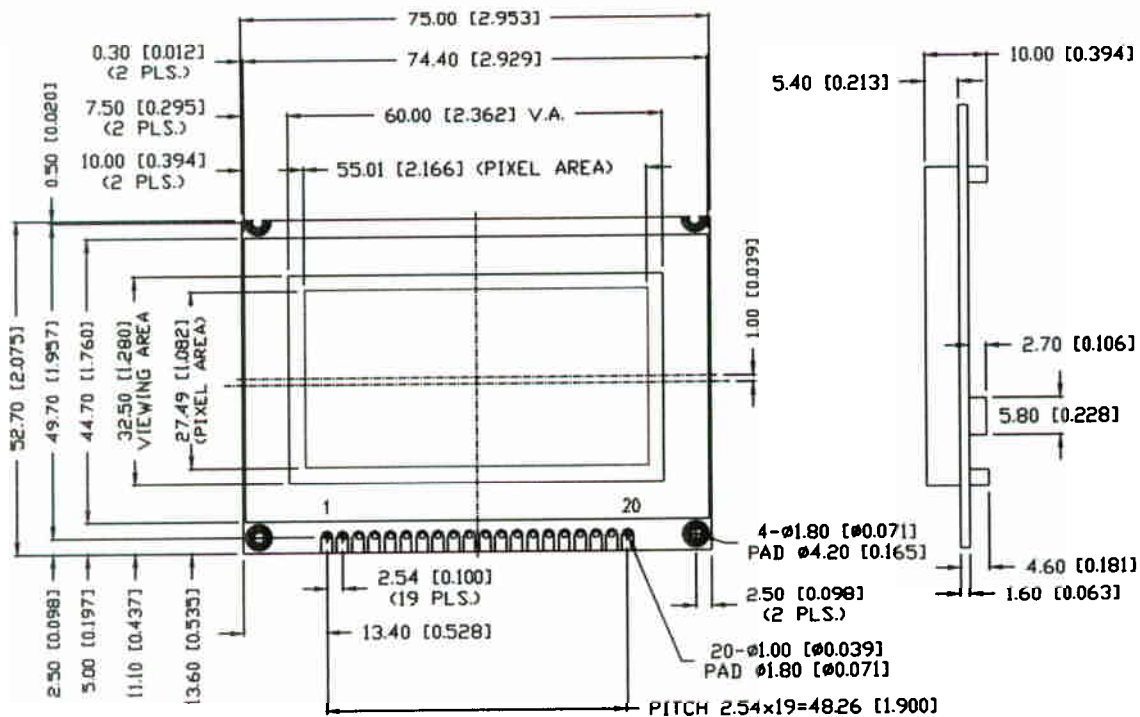


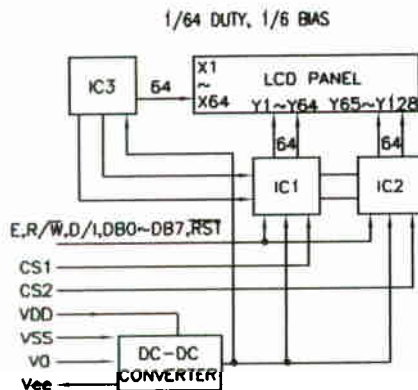
LCM-H12864GXX/H

128 x 64

P/N PREFIX/SUFFIX TABLE			
LCM-X	DDX	DESCRIPTION	
STANDARD	S	SR	STN, REFLECTIVE
HIGH TEMP.	H	SF	STN, TRANSFLECTIVE(W/ BACKLIGHT)



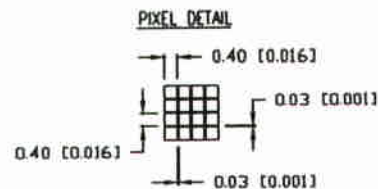
BLOCK DIAGRAM



PIN CONFIGURATION

PIN NO.	1	2	3	4~11	12	13	14
SYMBOL	V _{DD}	V _{SS}	V _O	DB0~DB7	CS1	CS2	RST
PIN NO.	15	16	17	18	19	20	
SYMBOL	R/W	D/I	E	V _{EE}	A	K	

PIXEL DETAIL



ELECTRICAL CHARACTERISTICS (V _{DD} =4.75V to 5.25V, T _a =25°C)						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Supply Voltage for Logic	V _{DD} - V _{SS}	-	4.75	5.0	5.25	V
Supply Current for Logic	I _{DD}	V _{DD} = 5V	-	8.0	-	mA
Input Voltage	High	V _{IH}	-	0.7*V _{DD}	-	V _{DD}
	Low	V _{IL}	-	0	-	0.3*V _{DD}

*Applies only to modules with backlight

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN.	MAX.	
Supply Voltage for Logic	V _{DD} - V _{SS}	T _a = 25°C	-	7.0	V
Supply Voltage for LCD Drive	V _{DD} - V _O	-	10.8 @ 40°C	12.4 @ 0°C	V
Input Voltage	V _I	T _a = 25°C	V _{SS}	V _{DD}	V
Operating Temperature	T _{opr}	-	-20	70	°C
Storage Temperature	T _{stg}	-	-30	85	°C

MECHANICAL SPECIFICATIONS	
PARAMETER	DIMENSIONS (mm)
Overall Size	75.00 x 52.70 x 5.40
Overall Size with Backlight	75.00 x 52.70 x 10.00
Viewing Area	60.00 x 32.50
Number of Pixels	128.00 x 64.00
Pixel Pitch	0.43 x 0.43
Pixel Size	0.40 x 0.40

FEATURES		
PART NUMBER	LCD MODE	BACKLIGHT
LCM-H12864GSR/H	STN REFLECTIVE	NONE
LCM-H12864GSF/H	STN TRANSFLECTIVE	LED

Available as high temperature only.