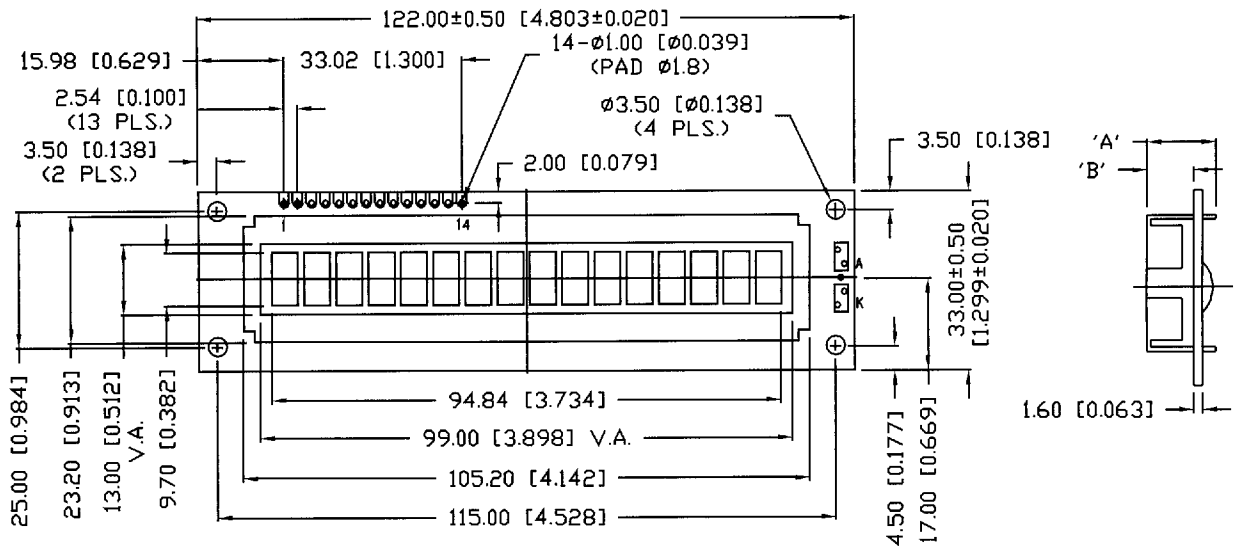


LCM-X01601DXX/D

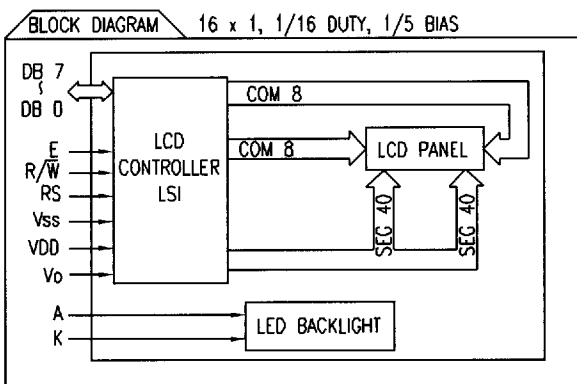
16 x 1

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

TYPE	DIM.	A	B
WITH BACKLIGHT		12.7	8.7
NO BACKLIGHT		8.8	4.8



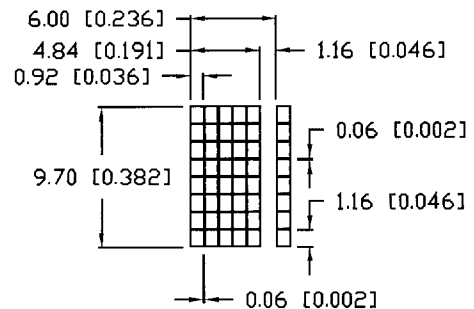
BLOCK DIAGRAM



PIN CONFIGURATION

PIN NO.	1	2	3	4	5
SYMBOL	Vss	V _{DD}	V _o	RS	R/W
PIN NO.	6	7~14	15	16	
SYMBOL	E	DB0~DB7	A	K	

CHARACTER DETAIL



CHARACTER MODULES

ELECTRICAL CHARACTERISTICS (V _{DD} =4.7V to 5.3V, T _a =25°C)						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Supply Voltage for Logic	V _{DD} - V _{SS}	-	-	5.0	-	V
Supply Current for Logic	I _{DD}	V _{DD} = 5V	-	1.6	2.5	mA
Input Voltage	High	V _{IH}	-	2.2	V _{DD}	V
	Low	V _{IL}	-	0	0.6	V
Output Voltage	High	V _{OH}	-	2.4	-	V
	Low	V _{OL}	-	-	0.4	V

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN.	MAX.	
Supply Voltage for Logic	V _{DD} - V _{SS}	T _a = 25°C	4.7	5.3	V
Supply Voltage for LCD Drive	V _{DD} - V _O	-	4.2 @ 50°C	4.8 @ 0°C	V
Input Voltage	V _I	T _a = 25°C	V _{SS}	V _{DD}	V
Operating Temperature	T _{opr}	LCM-S	0	50	°C
		LCM-H	-20	70	°C
Storage Temperature	T _{stg}	LCM-S	-20	70	°C
		LCM-H	-30	85	°C

MECHANICAL SPECIFICATIONS	
PARAMETER	DIMENSIONS (mm)
Overall Size of Module	122.00 x 33.00 x 8.80
Overall Size with Led Backlight	122.00 x 33.00 x 12.70
Viewing Area	99.00 x 13.00
Character Size	4.84 x 9.70
Pixel Size	0.92 x 1.16

FEATURES		
PART NUMBER	LCD MODE	BACKLIGHT
LCM-X01601DSR/D	STN REFLECTIVE	NONE
LCM-X01601DSF/D	STN TRANSFLECTIVE	LED
LCM-X01601DTR/D	TN REFLECTIVE	NONE
LCM-X01601DTF/D	TN TRANSFLECTIVE	LED

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

CHARACTER MODULES

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