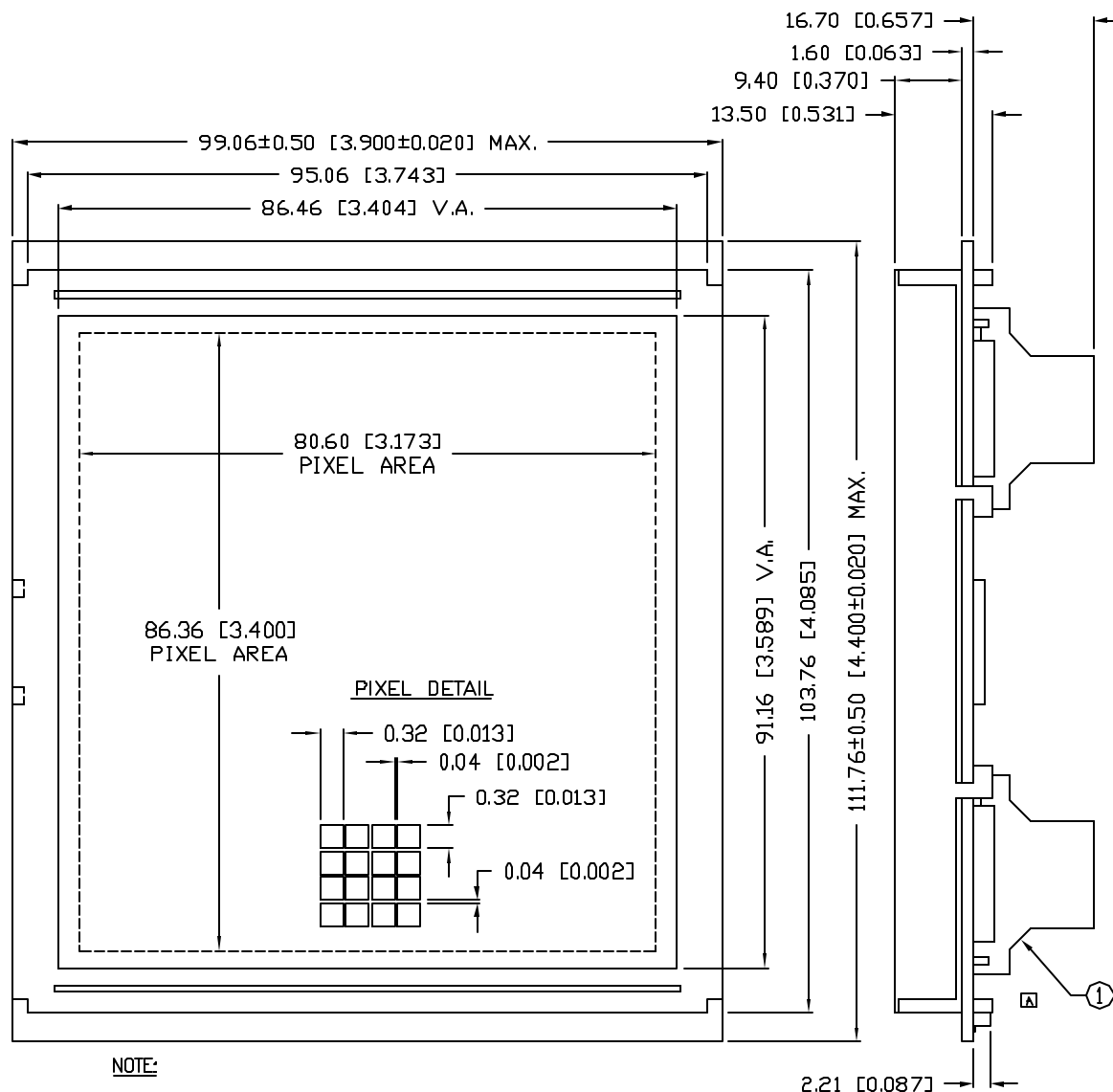


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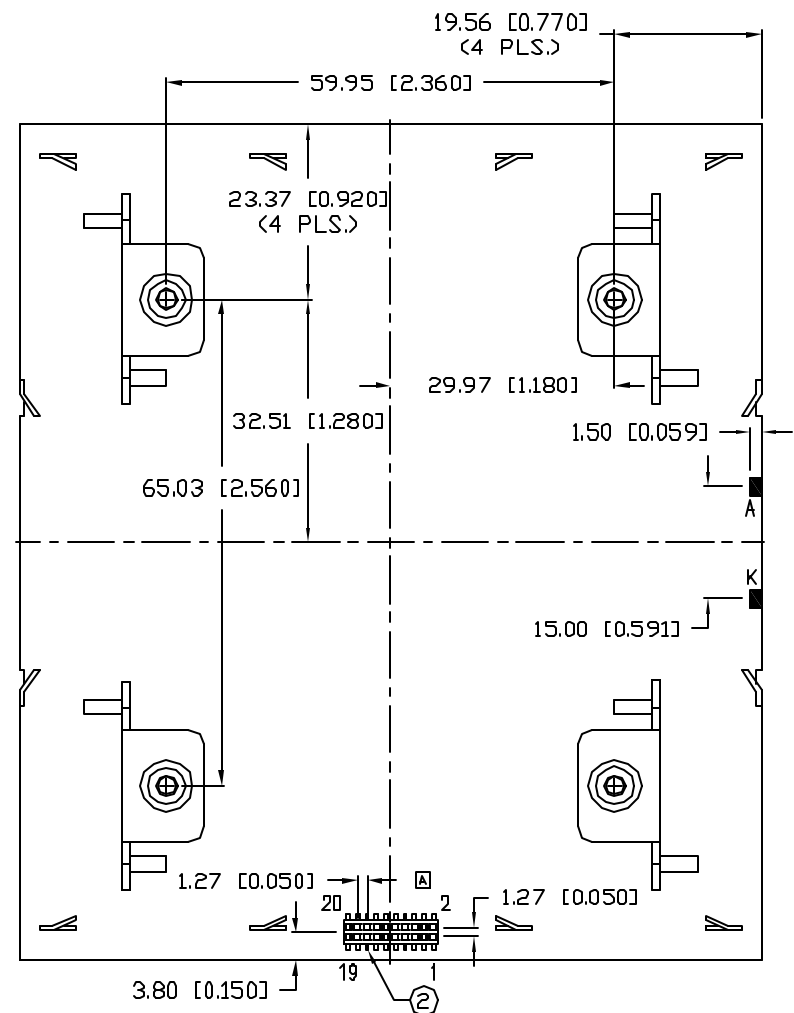


NOTE:

1. BRACKET PART NUMBER: LXP-S280308GWF. (4 PCS.)
2. SAMTEC LOW PROFILE SOCKET PART NUMBER CLP-110-02-L-D.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=+DECIMAL PRECISION MAX.=+0.00 -0.00 DECIMAL PRECISION

PART NUMBER		REV.
LCM-S224240GWF		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10609.	4-4-00



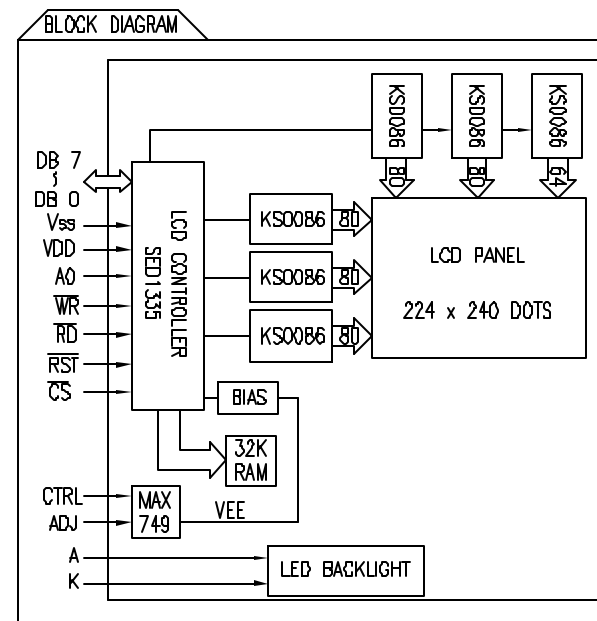
UNCONTROLLED DOCUMENT

REV.	PART NUMBER	CONFIDENTIAL INFORMATION		LUMEX INCORPORATED		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: http://www.lumex.com	
A	LCM-S224240GWF	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		RELIABILITY NOTE OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.		DRAWN BY: SA/BC	
224 x 240 GRAPHIC LCD MODULE, FSTN, TRANSFLECTIVE, NEGATIVE CHARGE PUMP, LED BACKLIGHT, 1/240 DUTY, 1/12 BIAS.				CHECKED BY:		APPROVED BY:	
						DATE: 1-13-00	
						PAGE: 1 OF 2	
						SCALE: N/A	

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PIN CONFIGURATION				
PIN NO.	SYMBOL	LEVEL	FUNCTION	
1	V _{SS}	L	POWER SUPPLY	GND (0V)
2	V _{DD}	H		5V
3	CTRL	—	NEGATIVE SUPPLY VOLTAGE ON/OFF PIN	
4	A0	—	DATA TYPE SELECT	
5	WR	L	WRITE SIGNAL	
6	RD	L	READ SIGNAL	
7~14	DB0~DB7	H/L	DATA BUS— 8 BIT MODE	
15	$\overline{CS}$	L	CHIP SELECT SIGNAL	
16	$\overline{RST}$	L	RESET SIGNAL	
17	ADJ	—	OPERATING VOLTAGE (NEGATIVE) ADJUST PIN	
18	N/C	—	NO CONNECTION	
19	A	4.2V	ANODE	LED BACKLIGHT
20	K	GND	CATHODE	LED BACKLIGHT

PART NUMBER		REV.
LCM-S224240GWF		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
	SEE PAGE 1.	



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REV. A	PART NUMBER LCM-S224240GWF	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. RELIABILITY NOTE OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.	LUMEX INCORPORATED 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: http://www.lumex.com
224 x 240 GRAPHIC LCD MODULE, FSTN, TRANSFLECTIVE, NEGATIVE CHARGE PUMP, LED BACKLIGHT, 1/240 DUTY, 1/12 BIAS.		DRAWN BY: SA/BC	CHECKED BY:
		APPROVED BY: 	DATE: 1-13-00 PAGE: 2 OF 2 SCALE: N/A