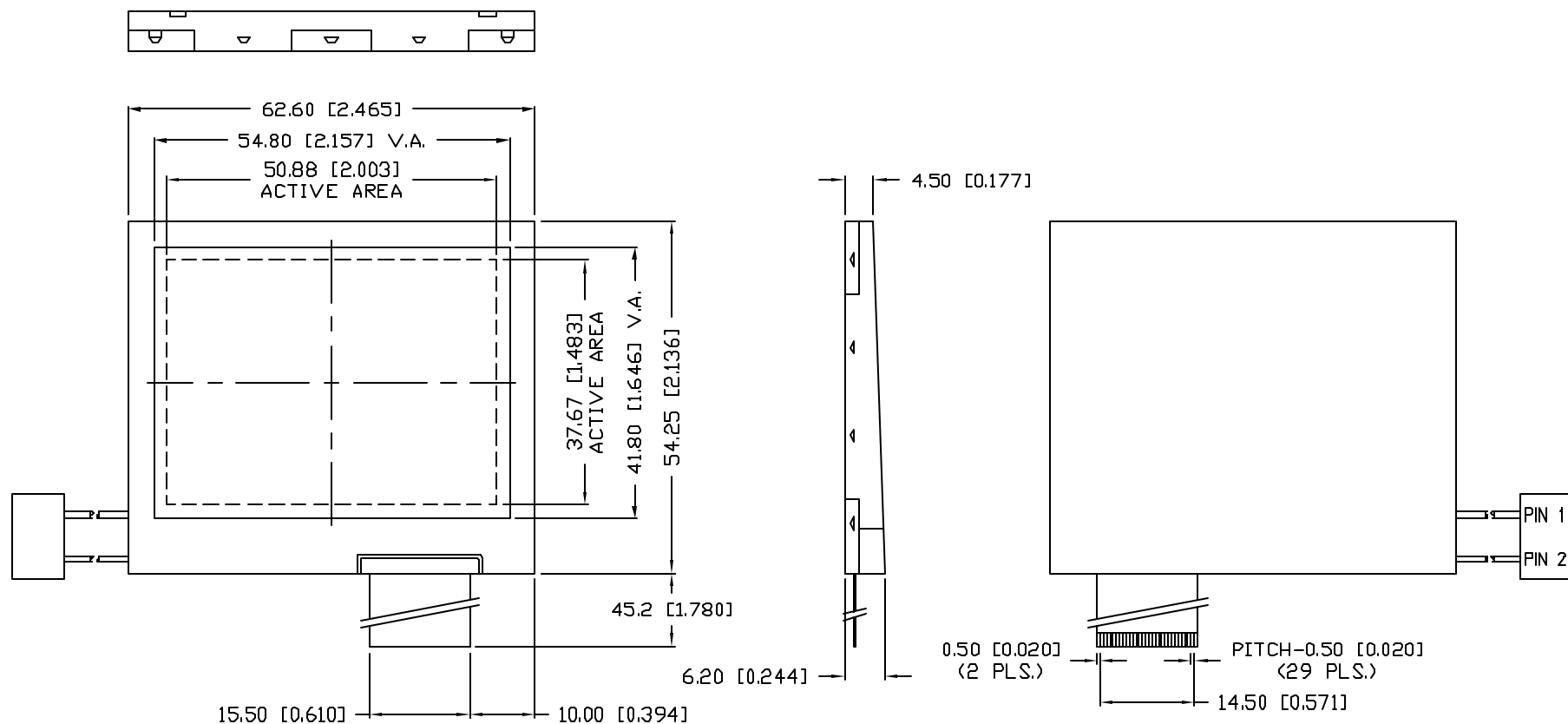


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PART NUMBER		REV.
LCM-480234GF-25CG		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	03.14.07



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REV.	PART NUMBER	CONFIDENTIAL INFORMATION		290 E. HELEN ROAD	
A	LCM-480234GF-25CG	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.		PALATINE, IL 60067-6976	
2.5" COLOR TFT MODULE, 480 x 234 RESOLUTION, ANALOG COMPOSITE VIDEO SIGNAL, NTSC/PAL AUTO-SWITCH, WITH DRIVER BOARD.		RELIABILITY NOTE		PHONE: +1.847.359.2790	
		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.		US WEB: www.lumex.com	
		DRAWN BY: JC		CHECKED BY:	
				APPROVED BY:	
				DATE: 3.20.02	
				PAGE: 1 OF 3	
				SCALE: N/A	

TFT CHARACTERISTICS

DISPLAY SIZE	2.5" COLOR TFT LCD
RESOLUTION	480 (w) x 234 (h)
ACTIVE AREA	50.88 (w) x 37.67 (h)
DOT PITCH	0.106 (w) x 0.161 (h)
WEIGHT	80±5 g.
BACKLIGHT	CCFT (10,000 hr. MIN. AT Tamb=25°C)

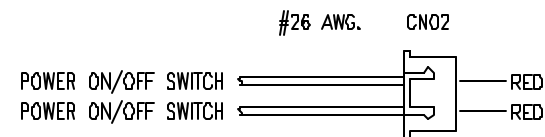
TFT OPERATING CONDITIONS

PARAMETERS	SYMBOL	MIN	TYP	MAX	UNITS
OPERATING VOLTAGE	V _{op}	10	12	30	V.D.C.
OPERATING TEMP	T _{op}	0°	~	50°	°C
STORAGE TEMP	T _{stg}	-25°	~	70°	°C
OPERATING HUMIDITY	H _o			85%	RH
STORAGE HUMIDITY	H _s			85%	RH
POWER CONSUMPTION	P _c			4	W
INPUT SIGNAL	NTSC		PAL		
	f _H	15.75	15.625		Khz
	f _V	60	50		Hz
	f _c	3.58	4.43		MHz

*COMPOSITE VIDEO SIGNAL 1Vp-p/75 OHMS.

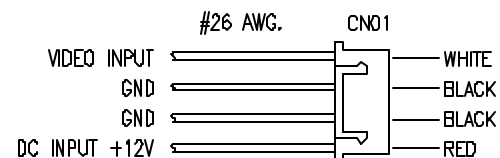
OPTICAL CHARACTERISTICS

	SYMBOL	MIN	TYP	MAX
VIEWING ANGLE	RIGHT	45°		
	LEFT	45°		
	UP	10°		
	DOWN	30°		



PIN ASSIGNMENT FOR DRIVER BOARD

CN01 (4 PINS)					
PARAMETER	COLOR OF WIRE	VOLTAGE		CURRENT	
		MIN.	MAX.	MIN.	MAX.
VIDEO SIGNAL	WHITE	0.8Vp-p	1.2Vp-p	-	-
GND	BLACK	-	-	-	-
GND	BLACK	-	-	-	-
DC INPUT	RED	10V	30V	-	0.8A



NOTES:

1. CN01 & CN02 ARE 2mm PITCH CONNECTORS.
2. WIRE LENGTH 150mm.

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REV.

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PART NUMBER

LCM-480234GF-25CG

2.5" COLOR TFT MODULE, 480 x 234 RESOLUTION,
ANALOG COMPOSITE VIDEO SIGNAL, NTSC/PAL AUTO-SWITCH,
WITH DRIVER BOARD.

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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.



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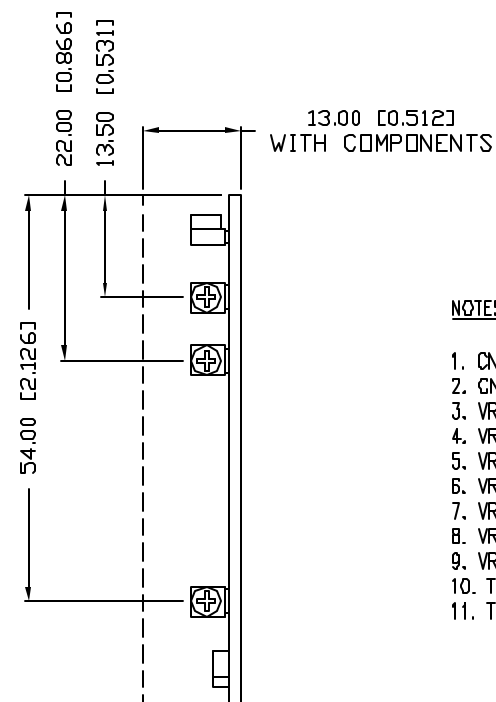
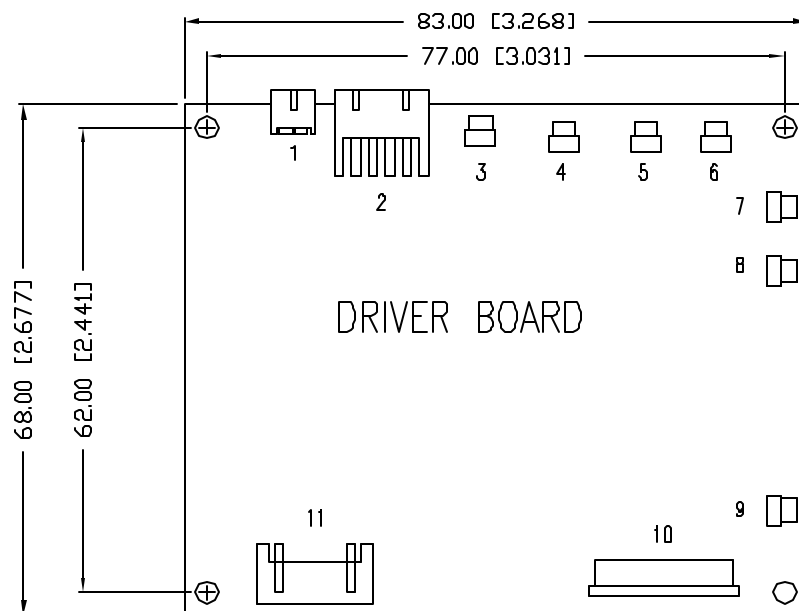
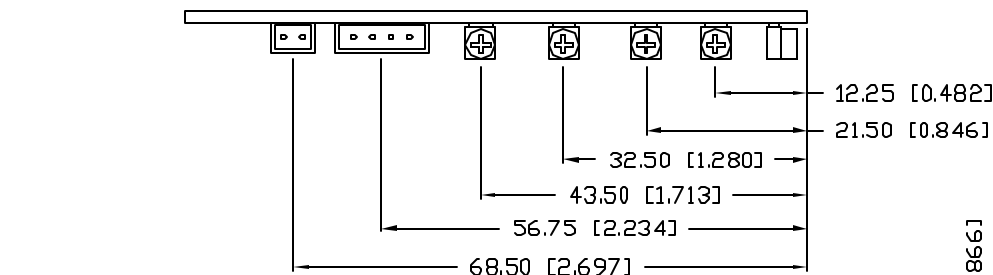
SCALE: N/A

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NOTES:

1. CN02, POWER ON/OFF.
2. CN01, VIDEO & DG INPUT.
3. VR01, BRIGHTNESS.
4. VR02, COLOR.
5. VR03, B-R BIAS RED.
6. VR04, B-B BIAS BLUE.
7. VR05, APC AUTO PHASE CONTROL.
8. VR06, GAMA CORRECTION.
9. VR08, DC CONTROL.
10. TO LCD PANEL, FPC WIRE.
11. TO LCD PANEL, BACKLIGHT.

CAUTION:
VR03, VR04, VR05, VR06, VR08 ARE FACTORY ADJUSTED
PLEASE DO NOT TOUCH

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