

UNCONTROLLED DOCUMENT

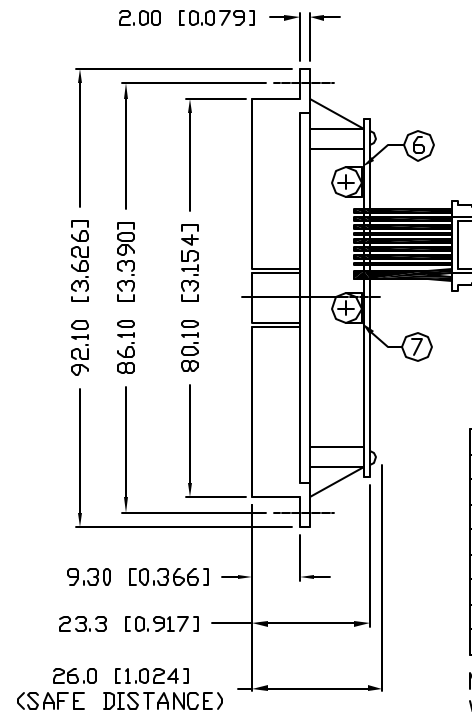
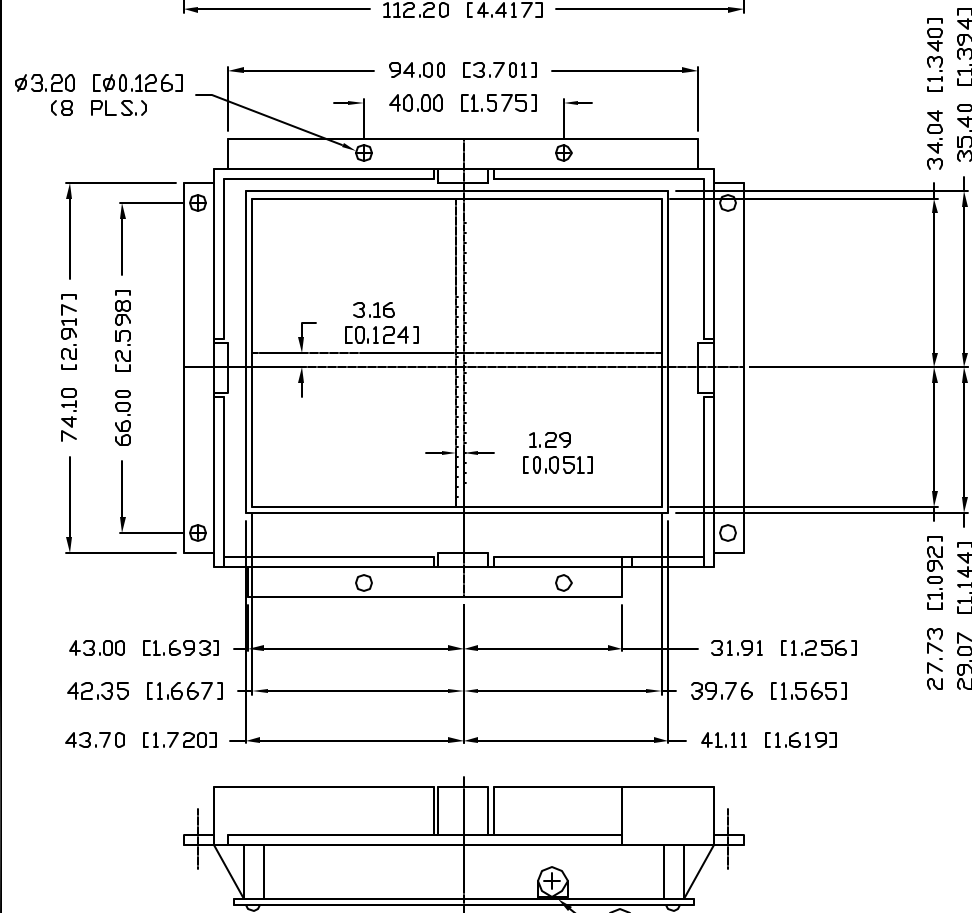
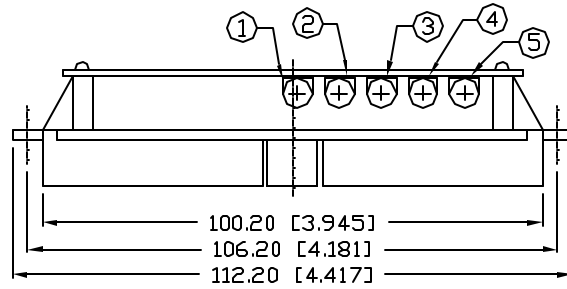
PART NUMBER

LCM-480234GF-40FC

REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10597. & REDRAWN.	2-28-00
B	E.C.N. #11148.	4.25.07



ITEM	DESCRIPTION
1*	VR01 APC AUTO PHASE CONTROL FOR NTSC
2*	VR02 APC AUTO PHASE CONTROL FOR PAL
3*	VR03 B-R BIAS RED
4*	VR04 B-B BIAS BLUE
5	VR05 COLOR
6	VR06 BRIGHTNESS
7*	VR07 H-VIBRATION
8*	VR08 H-POSITION

NOTE: DO NOT TUNE
VR01/VR02/VR03/VR04/VR07/VR08. THOSE VR'S
ARE TUNED BY AUTHORIZED ENGINEER ONLY.

A

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

REV.

B

PART NUMBER

LCM-480234GF-40FC

4" COLOR TFT MODULE, 480 x 234 RESOLUTION,
NTSC/PAL AUTO SWITCH.

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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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JC			PAGE: 1 OF 1
			SCALE: N/A

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REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
B	SEE PAGE 1	

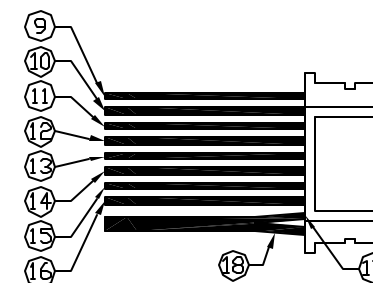
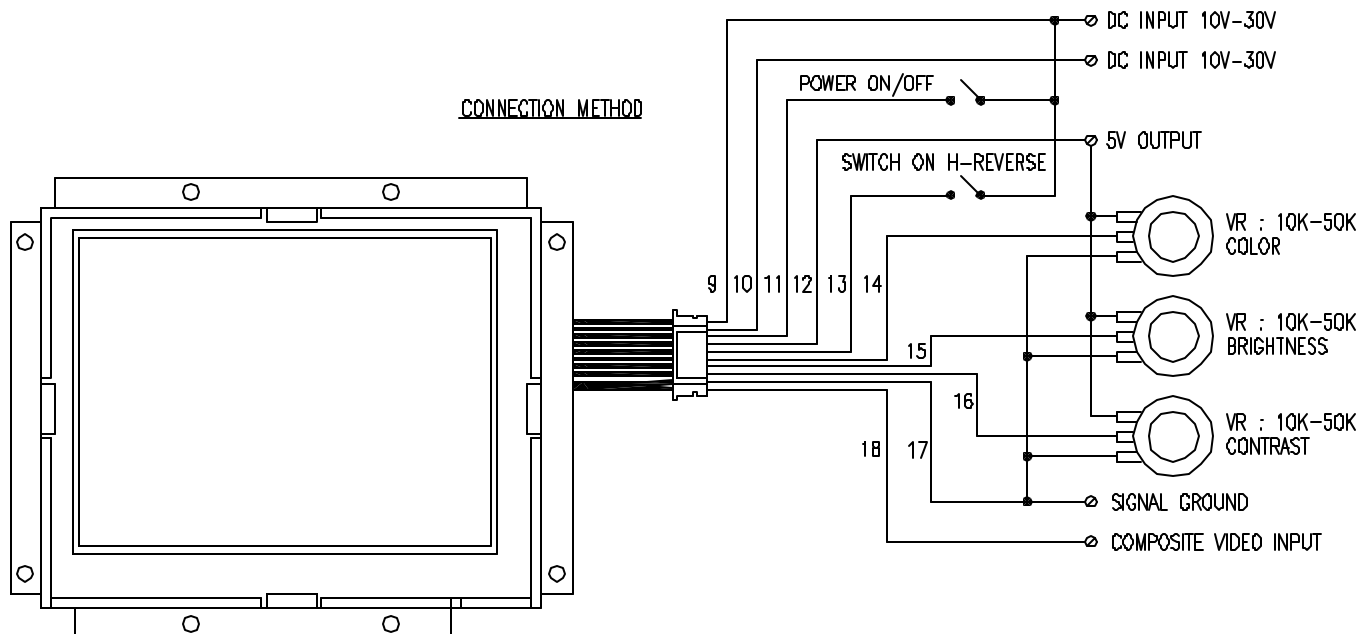
TFT OPERATING CONDITIONS					
PARAMETERS	SYMBOL	MIN	TYP	MAX	UNITS
OPERATING VOLTAGE	V _{op}	10	12	30	V.D.C.
OPERATING TEMP	T _{op}	0°	~	60°	°C
STORAGE TEMP	T _{st}	-20°	~	80°	°C
OPERATING HUMIDITY	H _o			85%	RH
STORAGE HUMIDITY	H _s			85%	RH
POWER CONSUMPTION	P _c			5	W
BRIGHTNESS			250		cd/m ²
COMPOSITE VIDEO SIGNAL : 1V _{p-p} /75 OHMS.					

TFT CHARACTERISTICS	
DISPLAY SIZE	4.0" COLOR TFT LCD
RESOLUTION	480 (w) x 234 (h)
OVERALL DIMENSION	112 (w) x 92 (h) x 25 (t)
DOT PITCH	0.171 (w) x 0.264 (h)
WEIGHT	166 g.
BACKLIGHT	CCFT*

*10,000 hr. MIN. AT T_{amb}=25°C

OPTICAL CHARACTERISTICS		
VIEWING ANGLE	SYMBOL	MIN
	RIGHT	45°
	LEFT	45°
	UP	10°
	DOWN	30°

CONNECTION METHOD



ITEM	COLOR	DESCRIPTION
9	RED	DC INPUT (10V - 30V)
10	BLACK	GROUND
11	BROWN	POWER ON/OFF (5V-30V=ON, 0V=OFF)
12	ORANGE	5V OUTPUT (OUTPUT CURRENT=3mA MAX.)
13	WHITE	REVERSE (5V-30V=REVERSE, 0V=NORMAL)
14	GRAY	COLOR
15	VIOLET	BRIGHTNESS
16	YELLOW	CONTRAST
17	BLACK	SIGNAL GROUND
18	WHITE	COMPOSITE VIDEO INPUT

REV.	PART NUMBER
B	LCM-480234GF-40FC

4" COLOR TFT MODULE, 480 x 234 RESOLUTION,
NTSC/PAL AUTO SWITCH.

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