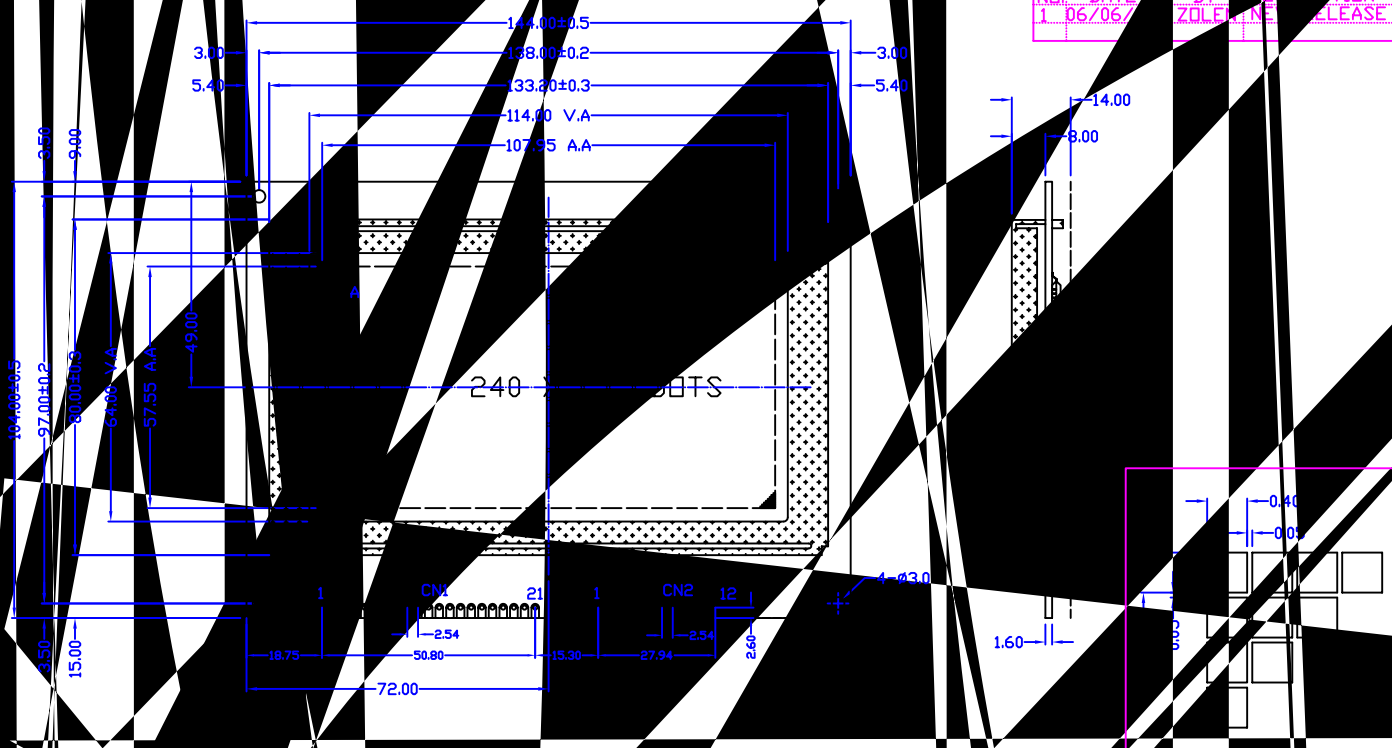
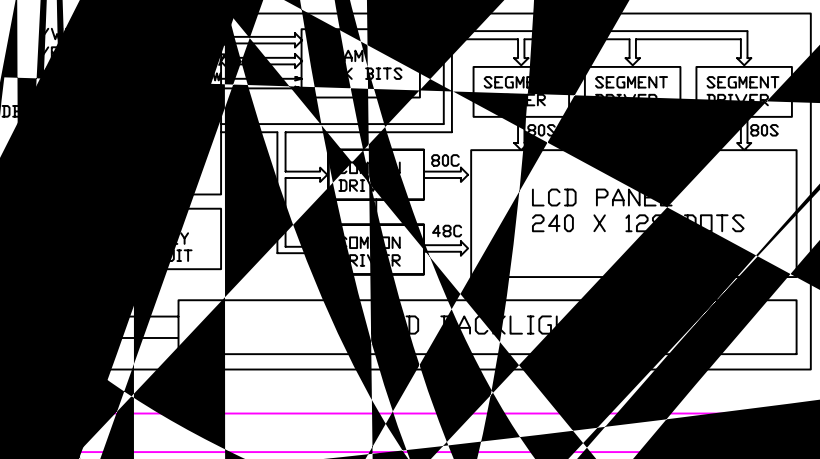
REVISIONS			
NO.	DATE	BY	
1	06/06/	ZOLEN	RELEASE



Block Diagram



Feature

1.	CONTROLLER: 963C EQUIVALENT
2.	SUPPLY VOLTAGE: 3.0V
3.	STN
4.	HIGH TRANSMISSIVE YELLOW GREEN LIGHT
5.	FOUR COLOR GRAY SCALE WHITE
6.	1/240 DUTY CYCLE,1/9 BIAS
7.	VIEWING ANGLE:6 O'CLOCK
8.	OPERATING TEMPERATURE RANGE:EXTENDED(-20-+70)
9.	LOW POWER CONSUMPTION,LOW VOLTAGE,HIGH CONTRAST

Mechanical Data

	SPECIFICATION	UNIT
	144.0W × 104.0H × 14.0T	MM
VIEWING AREA	133.2W × 64.0H	MM
DOT NUMBER	240 × 128	DOTS
DOT SIZE	0.45W × 0.45H	MM
DOT PITCH	0.45W × 0.45H	MM

Pin Assignment

	SYMBOL	DESCRIPTION
	FG	GROUND
	VSS	GROUND
	VDD	POWER SUPPLY FOR LOGIC AND LCD
4		LCD DRIVE VOLTAGE FOR LCD
5	/WR	DATA WRITE
6	/RD	DATA READ
7	/CS	CHIP ENABLE SIGNAL
8	C/D	COMMAND/DATA SELECTION
9	/RST	RESET SIGNAL (ACTIVE LOW)
10	D7	DATA BUS LINE
11	D6	DATA BUS LINE
12	D5	DATA BUS LINE
13	D4	DATA BUS LINE
14	D3	DATA BUS LINE
15	D2	DATA BUS LINE
16	D1	DATA BUS LINE
17	D0	DATA BUS LINE
18	LEDA	LED BACKLIGHT POWER SUPPLY(+5.0V)
19	LEDK	LED BACKLIGHT POWER SUPPLY(-)

Absolute Maximum

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	7.0	V
POWER SUPPLY(LCD DRV)	VDD-V0	0	18.0	V
INPUT VOLTAGE	Vi	VSS	VDD	V

ITEM		SYMBOL	MIN	TYP	MAX	UNIT
POWER SUPPLY VOLTAGE FOR LOGIC		VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT		IDD		12.0	–	mA
OPERATING VOLTAGE	0C	VDD-V0		16.0	–	V
	25C			15.0	–	V
	40C			14.0	–	V
INPUT VOLTAGE	H	VIH				
	L	VIL				

ALL DIMENSIONS ARE IN MM TOLERANCE ±0.5
UNLESS OTHERWISE SPECIFIED

JXD