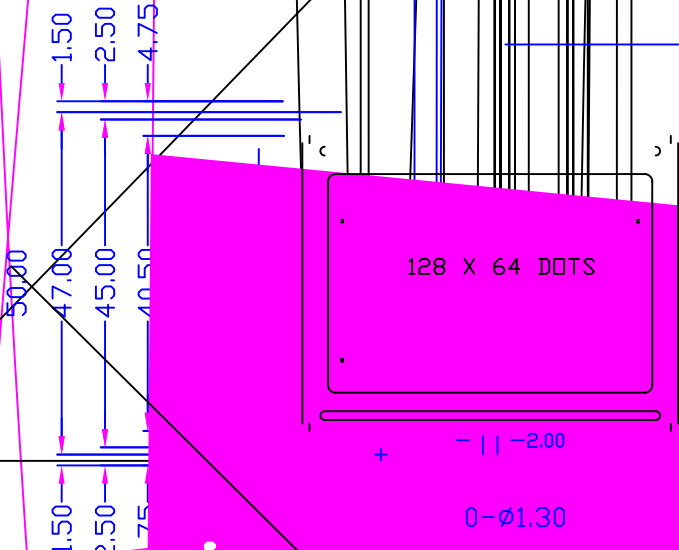
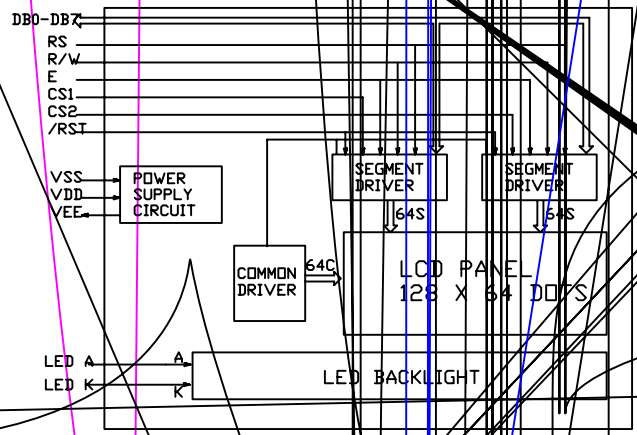


REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	08/05/24	ZOLEN	NEW RELEASE



### Block Diagram



- POWER SUPPLY: 5.0V AND 3.0V AVAILABLE
- LCD TYPE: Y/G STN
- BACKLIGHT: BOTTOM LED BACKLIGHT
- COLOUR OF BACKLIGHT: Y/G
- 1/64 DUTY CYCLE, 1/9 BIAS
- VIEWING ANGLE: 6 O'CLOCK
- TEMPERATURE RANGE: NORMAL (0-50)
- LOW CONSUMPTION, LOW VOLTAGE, HIGH CONTRAST

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	54.0W x 50.0H x 8.5T	MM
VIEWING AREA	43.5W x 29.0H	MM
DOT NUMBER	128 x 64	DOTS
DOT SIZE	0.25 x 0.35H	MM
DOT PITCH	0.32W x 0.39H	MM

NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	VR	OPERATING VOLTAGE FOR LCD
4	D/I	DATA/INSTRUCTION SELECT
5	R/W	READ/WRITE SELECT
6	E	ENABLE SELECT
7-14	DB0--DB7	DATA BUS
15	CS1	CHIP SELECT OF IC1(HIGH EFFECTIVE)
16	CS2	CHIP SELECT OF IC2(HIGH EFFECTIVE)
17	/RST	RESET SIGNAL(HIGH EFFECTIVE)
18	VEE	NEGATIVE VOLTAGE INPUT/OUTPUT
19	A	LED BACKLIGHT POWER SUPPLY(+)
20	K	LED BACKLIGHT POWER SUPPLY(-)

### Power Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	0	6.5	V
POWER SUPPLY (LCD DRV.)	VDD-V0	0	18.0	V
INPUT VOLTAGE	VI	VI	VDD	V

### Electrical Characteristics

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	12.0	-	mA
LCD OPERATING VOLTAGE	VR	-	9.2	-	V
LCD OPERATING VOLTAGE	VDD-V0	-	9.0	-	V
LCD OPERATING VOLTAGE	V0	-	8.8	-	V
INPUT VOLTAGE	VIH	0.7VDD	-	VDD	V
INPUT VOLTAGE	VIL	0	-	0.3VDD	V

ALL DIMENSIONS ARE IN MM. TOLERANCE IS ± 0.2 UNLESS OTHERWISE NOTED.

