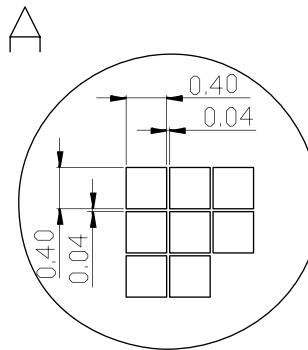
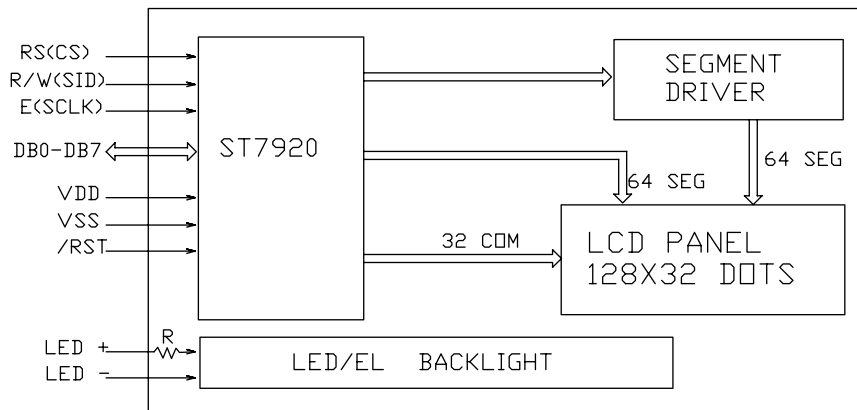


# ANAG VISION



PINS ASSIGNMENT		
NO.	SYMBOL	DESCRIPTION
1	V0	CONTRAST ADJUST
2	VR	CONTRAST ADJUST
3	VSS	POWER SUPPLY
4	VDD	POWER SUPPLY
5	NC	NO CONNECTION
6	RS(CS)	DATA/INSTRUCTION SELECT CHIP SELECTION FOR SERIAL MODE
7	R/W(SID)	READ/WRITE CONTROL SERIAL DATA INPUT FOR SERIAL MODE
8	E(SCLK)	ENABLE SIGNAL SERIAL CLOCK INPUT FOR SERIAL MODE
9-16	DB0--DB7	DATA BUS IN PARALLEL INTERFACE NOT USED IN SERIAL MODE,PULL HIGH
17	PSB	PARALLEL/SERIAL SELECT
18	/RST	RESET SIGNAL (LOW EFFECTIVE)
19	K	BACKLIGHT DRIVING -
20	A	BACKLIGHT DRIVING +

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY(LCD DRV.)	VDD-V0	-0.3	13.5	V
INPUT VOLTAGE	VI	-0.3	VDD	V

ELECTRICAL CHARACTERISTICS (VDD=5.0±0.25V, 25°C)						
ITEM	SYMBOL	MIN	TYP	MAX	UNIT	
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V	
SUPPLY CURRENT	IDD	-	1.3	2.2	mA	
INPUT VOLTAGE	H	V <sub>IH</sub>	2.2	-	VDD	V
	L	V <sub>IL</sub>	-0.3	-	0.6	V
OUTPUT VOLTAGE	H	V <sub>oH</sub>	2.4	-	-	V
	L	V <sub>oL</sub>	-	-	0.4	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0W x 36.0H x 13.5T	MM
VIEWING AREA	60.5W x 18.5H	MM
DOT NUMBER	128W X 32H	
DOT SIZE	0.40W X 0.40H	MM
DOT PITCH	0.44W x 0.44H	MM

OPTIONS
1. LCD TYPE: Y/G STN; GRAY STN;
2. BACKLIGHT: WITHOUT BACKLIGHT; LED; EL
3. COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
4. TEMPERATURE RANGE: NDRMAL(-20--50C) EXTENDED(-20--70C)
5. POWER SUPPLY: 5.0V; 3.0V
6.VIEWING ANGLE: 6H; 12H
7. CHARACTER TABLE: MADARIN(SIMPLE) CHINESE

• BUILT IN CONTROLLER (ST7920 OR EQUIVALENT) • 5V SINGLE SUPPLY • NV FOR +3V DRIVE OPTIONAL • 1/32 DUTY

AV128321

128x32 GRAPHIC

Tel.: +49 89 89979764  
Fax: +49 89 89979765



Email: info@dst-gmbh.de  
Internet: www.dst-gmbh.de

ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.3  
UNLESS OTHERWISE NOTED.



TOOZE  
MA9