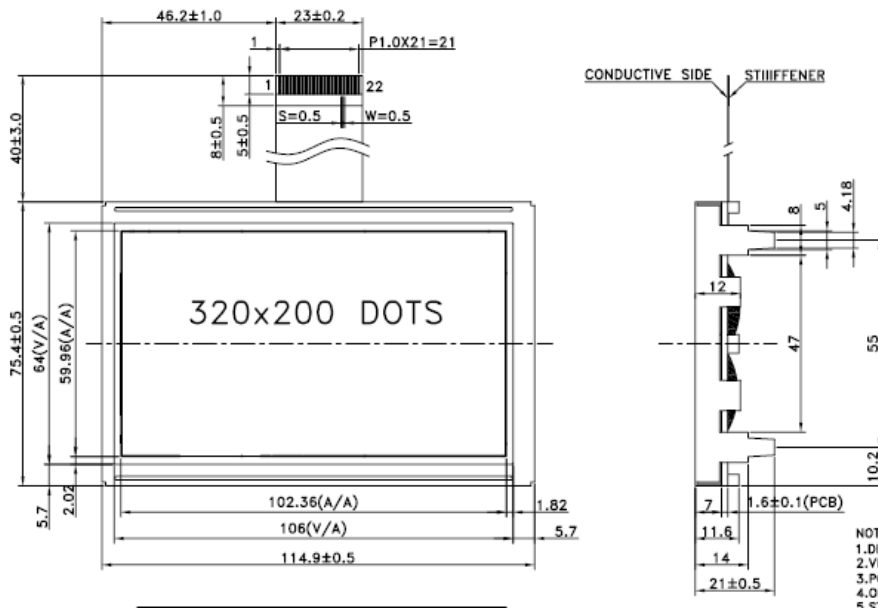


CUSTOMER'S APPROVED:

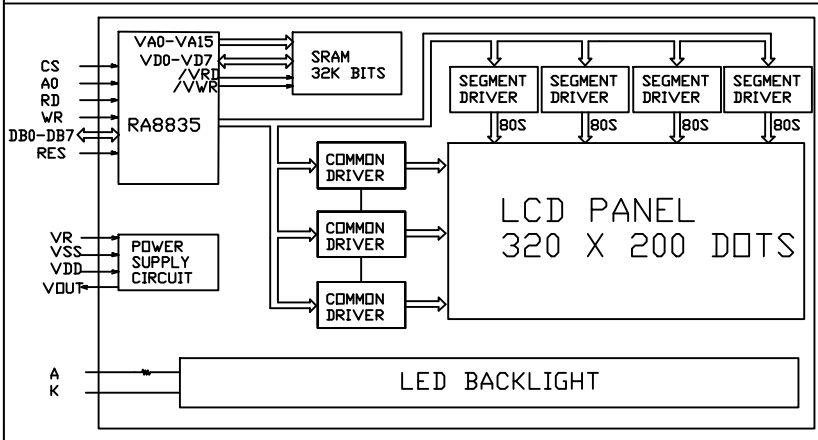
DATE:

REVISIONS		
NO.	DATE	BY DESCRIPTION
1	06/06/18	WXR NEW RELEASE



NOTES  
1.DISP  
2.VIEW  
3.PDL  
4.OPE  
5.ETA

### Block Diagram



### Feature

- BUILT IN CONTROLLER: RA8835
- POWER SUPPLY: 5.0V
- LCD TYPE: BLUE STN, TRANSMISSIVE
- BACKLIGHT: LED SIDE BACKLIGHT
- COLOUR OF BACKLIGHT: WHITE
- 1/200 DUTY CYCLE, 1/15 BIAS
- VIEWING ANGLE: 12 O'CLOCK
- TEMP RANGE: Top: -20--70C; Tst: -30--80C
- LOW CONSUMPTION, LOW VOLTAGE, HIGH CONTRAST

### Mechanical Data

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	114.9W x 75.4H x 21.0T	MM
VIEWING AREA	106.0W x 64.0H	MM
DOT NUMBER	320 x 200	DOTS
DOT SIZE	0.28W x 0.26H	MM
DOT PITCH	0.32W x 0.30H	MM

### Pin Assignment

NO.	SYSBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	WR	WRITE SIGNAL
5	RD	READ SIGNAL
6	CS	CHIP SELECT
7	A0	COMMAND/DATA SELECTION
8	RST	RESET SIGNAL (LOW EFFECTIVE)
9--16	DB0--DB7	DATA BUS
17	A1	LED BACKLIGHT POWER SUPPLY(+)
18	K1	LED BACKLIGHT POWER SUPPLY(-)
19	A2	LED BACKLIGHT POWER SUPPLY(+)
20	K2	LED BACKLIGHT POWER SUPPLY(-)
21	Vout	DC/DC VOLTAGE OUTPUT
22	K2	NO CONNECTED

### Absolute Maximum Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	VDD	-0.3	7.0	V
INPUT VOLTAGE	VI	-0.3	VDD+0.3	V

### Electrical Characteristics

ITEM	SYMBOL	MIN	TYP	MAX	UNIT	
VOLTAGE FOR LOGIC	VDD-VSS	4.5	5.0	5.5	V	
SUPPLY CURRENT	IDD	-	12.0	-	mA	
LCD OPERATING VOLTAGE	VDD-VR	0C	-	21.2	-	V
		25C	-	20.0	-	V
		40C	-	19.2	-	V
INPUT VOLTAGE	H	VIH	0.5VDD	-	VDD	V
	L	VIL	VSS	-	0.2VDD	V

DESCRIPTION: C/D	Distar Technology Limited	
GENERAL TOL: ±0.2	www.distarltd.com	Drw WXR
DO NOT SCALE THIS DRAWING.	Unit:mm	Chk Apv

DS-G320200A-BTTSWE-YAA