

# AR-128160B • 128(RGB)x160 dots 1/160 Duty

## FEATURE

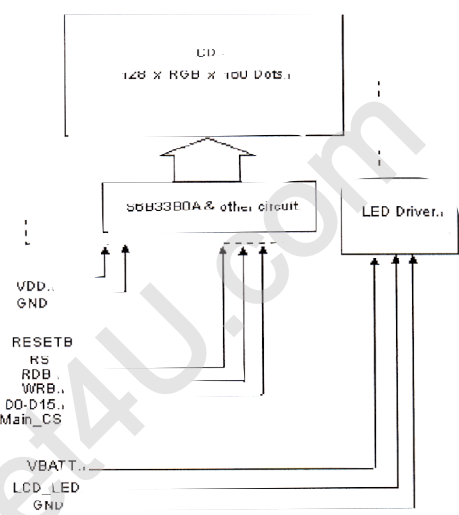
This dual-display module is suitable for cellphone application. The Main-LCD and Sub-LCD adopts one backlight with High brightness 3-lamps white LED.

- Main LCD : 1.1 Color STN 1.6-inch display, transmissive, negative type, 6 o'clock
- 1.2 128 (GB)X160 dots Matrix, 1/160 Duty.
- 1.3 Narrow-gap contact ledge technique.
- 1.4 Main LCD controller is S6B33B0A.
- 1.5 Full 65K color display
- Red-5bit, Green-6bit, Blue-5bit
- Back ground : black (Red, Green, Blue dots are off state)
- 2.Sub LCD : 2.1 Monochromatic FSTN type, Transflective, Positive , 12 o'clock view
- 2.2 96X64 dots matrix, 1/64 Duty.
- 2.3 Sub LCD controller is S6B0724.

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## BLOCK DIAGRAM

Block diagram (Main LCD)  
 Display format:Color-STN transmissive, negative type, 6 o'clock.  
 Display composition:128 x RGB x 143 dots  
 Backlight:White LED x 3

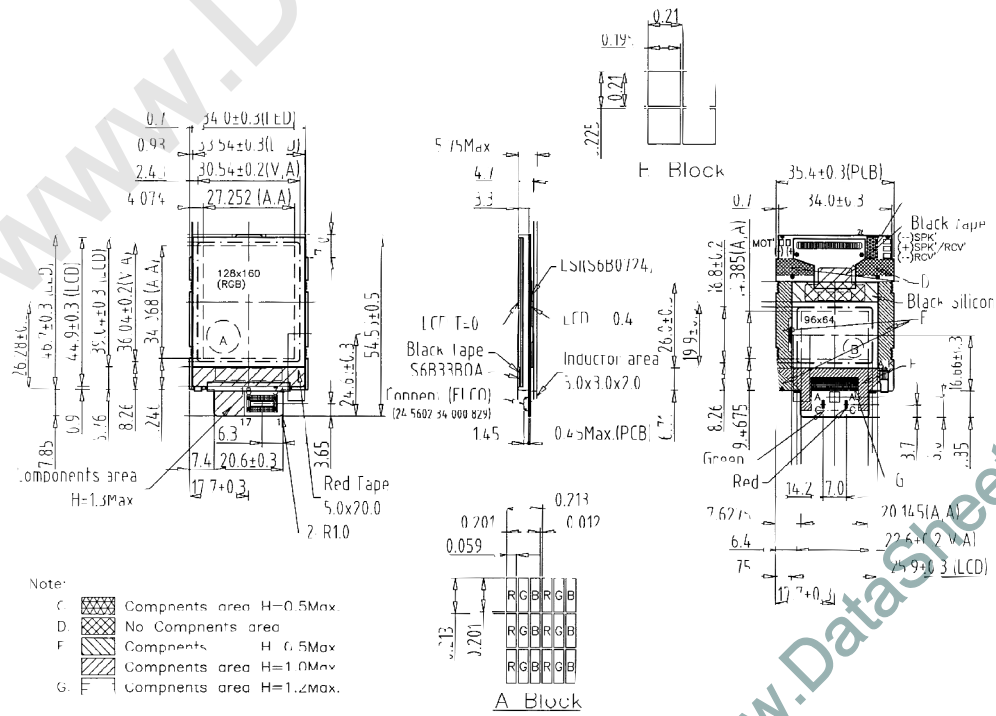


## ELECTRICAL CHARACTERISTICS

	Parameter	Symbol	Condition	Typ. Value	Unit.
LCD Driving Voltage	Main LCD driving voltage	Vop	25°C	17.4	V
	Sub LCD driving voltage	VDD-V5	25°C	10.45	V
Consumption current of VDD		IDD	Electric VR value =2ABBH	2.8	mA

## INTERFACE

1	2	3	4	5	6	7	8	9~16	17
VDD	WRB	RS	Main_CS	RESETB	Sub_CS	LED_G	GND	D7~D0	GND
18~25	26	27	28	29	30	31	32	33	34
D15~D8	GND	LED_R	EAR-	LCD_LED	SPK/EAR+	SPK-	GND	MOTOR_EN	VBATT



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