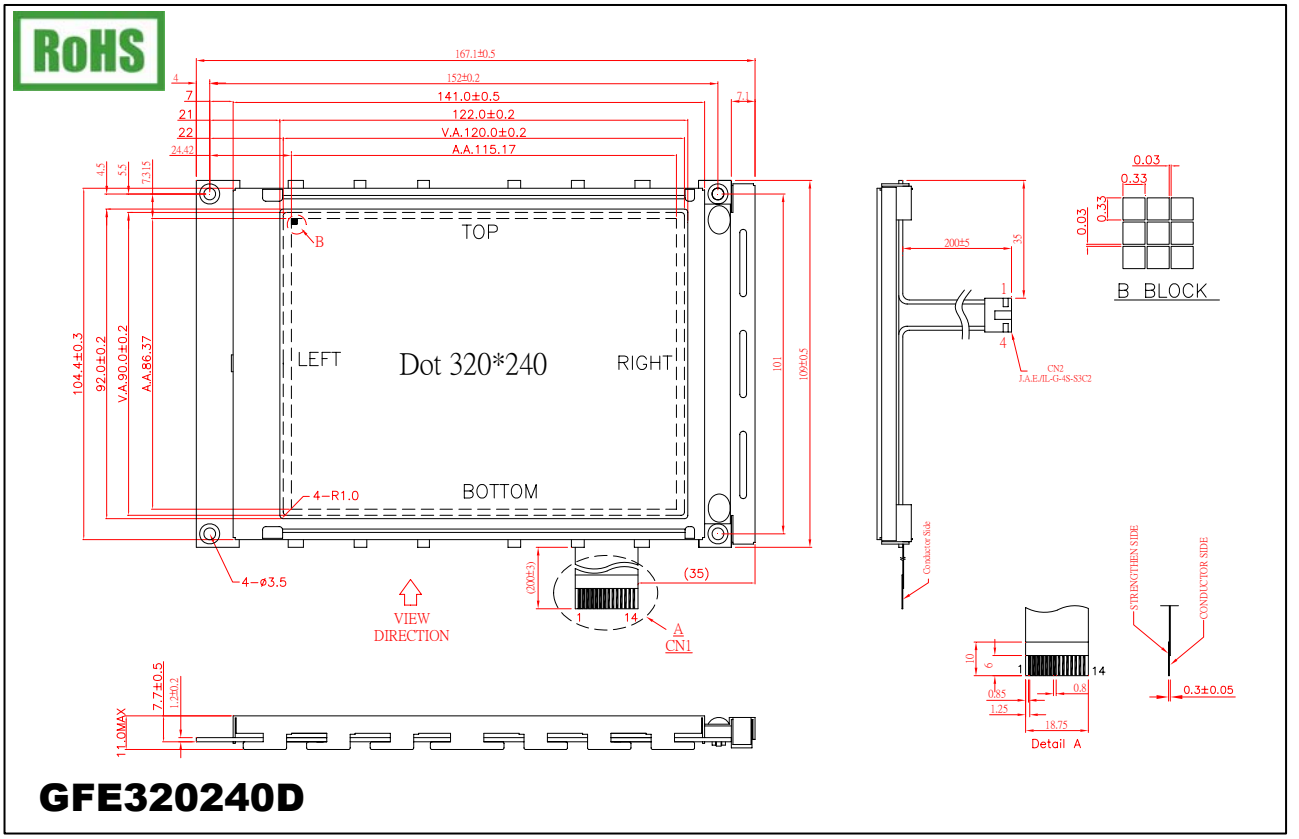

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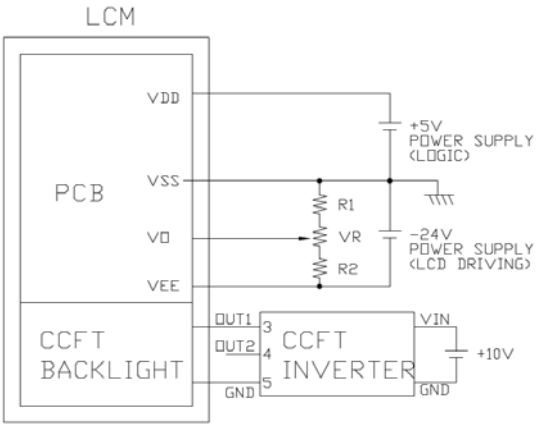

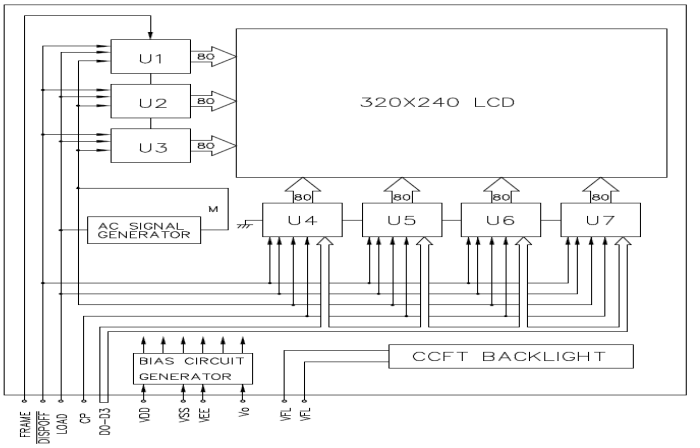

Interface		
Pin no	Symbol	Function
1	D0	Display Data Signal
2	D1	Display Data Signal
3	D2	Display Data Signal
4	D3	Display Data Signal
5	/DISPOFF	H: on L: off
6	FRAME	Scan start-up signal
7	NC	No Connection
8	LOAD	Input Data Latch Signal
9	CP	Data Input Clock Signal
10	VDD	Power supply(+)
11	VSS	Power supply (GND)
12	VEE	Negative Voltage
13	VO	Contrast Adjudtment
14	FGND	Front panel ground

Feature			
Controller	-	Module	167.1 x 109
Duty	1/240duty	Viewing Area	120 x 90
Bias	1/13 bias	Mounting hole	152 x 101
B/L	CCFL	Character Size	0.33 x 0.33

Absolute Maximum Rating					
I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25˚c	-0.3	7	V
LCD driving supply voltage	Vdd-Vss	25˚c	-0.3	13	V
Input voltage	Vin	25˚c	-0.3	Vdd+0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25˚c	4.5	-	5.5	V
LCD operation voltage	Vop	25˚c	-	23.2	-	V
LED Forward Voltage	VF	25˚c	-	260	-	V
LED Forward Current	IF	25˚c	-	5	-	mA