RG320240-M

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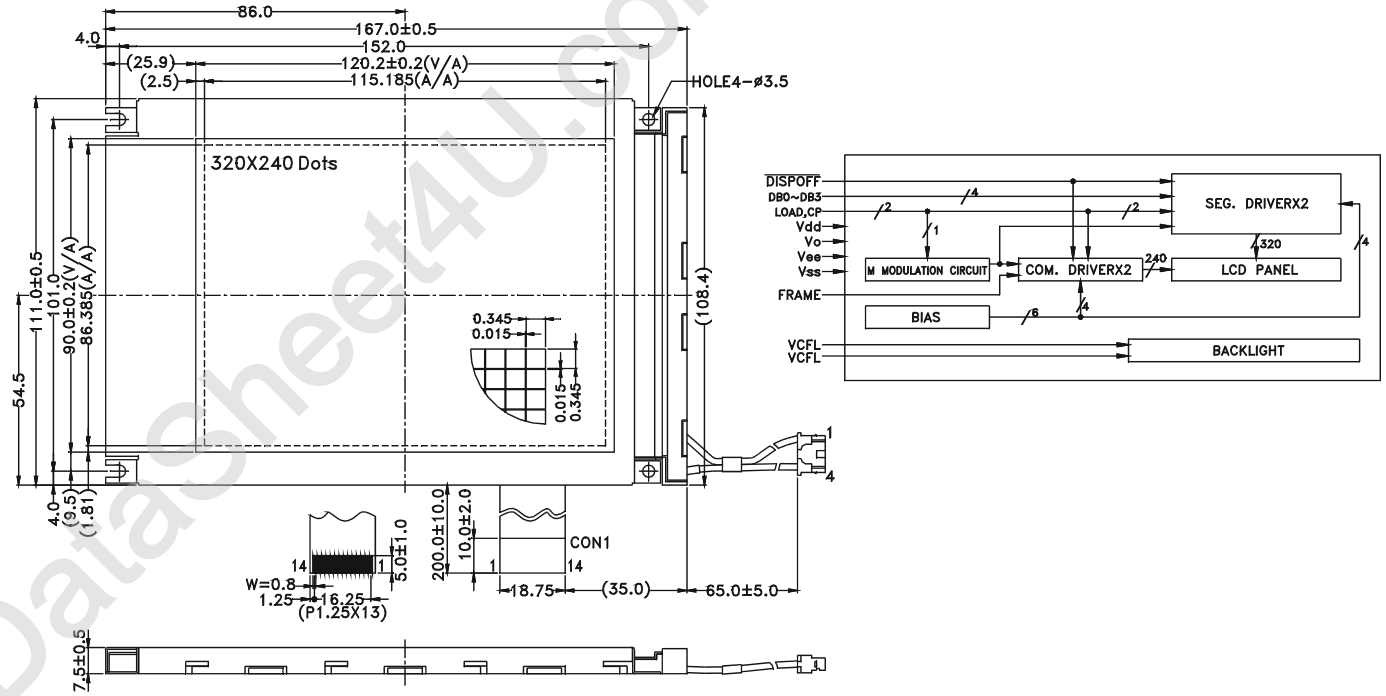
▪▪▪▪▪▪▪OUTLINE DIMENSION & BLOCK DIAGRAM



MECHNICAL SPECIFICATION			
Overall Size	167.0 x 111.0 mm	Module	H2 / H1
View Area	120.2 x 90.0 mm	W/O B/L	- / -
Dot Size	0.345 x 0.345 mm	EL B/L	- / -
Dot Pitch	0.360 x 0.360 mm	CCFL B/L	- / 7.5 mm

PIN ASSIGNMENT		
Pin No.	Symbol	Function
1	DB0	Data input
2	DB1	Data input
3	DB2	Data input
4	DB3	Data input
5	/DISPOFF	Driver on(H)/off(L) enable
6	FRAME	First line mark
7	NC	No connection
8	LOAD	Input data latch signal
9	CP	Data input shift signal
10	V_{DD}	Logic power supply
11	V_{SS}	Ground
12	V_{EE}	Negative voltage
13	V_O	Contrast adjust
14	V_{SS}	Ground

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	V_{DD}-V_{SS}	25°C	4.75	5.25	V
LCD driving supply voltage	V_{DD}-V_{EE}	25°C	22.0	23.4	V
Input Voltage	V_{IN}	25°C	-0.4	Vdd+0.3	V

ELECTRICAL CHARACTERISTICS									
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	V_{DD}-V_{SS}	25°C	2.7		5.0		5.5		V
LCD operation voltage (V_{DD}=5v)	V_{OP}	T_{OP}	N	W	N	W	N	W	V
		-20°C	-	23.5	-	24.0	-	24.5	V
		0°C	-	-	-	-	-	-	V
		25°C	-	22.5	-	23.0	-	23.5	V
		50°C	-	-	-	-	-	-	V
		70°C	-	20.5	-	21.0	-	21.5	V
LCM current consumption (No B/L)	I_{DD}	V_{DD}=5V	-		1.0		2.0		mA
	I_{EE}	V_{DD}=5V	-		4.0		10.0		mA
Backlight current consumption	White LED	B/L=3.3V	-		160		--		mA

REMARK

LCD option: STN, FSTN

Backlight Option: CCFL, white LED backlight

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