

LC201V02-A3 Spec. & Schedule

2002. 08. 12

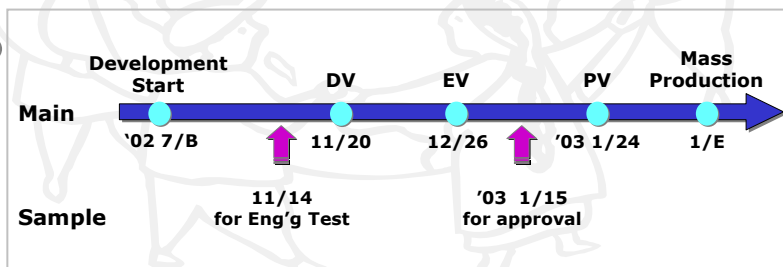


1. LC201V02 Schedule & Spec.

Spec.

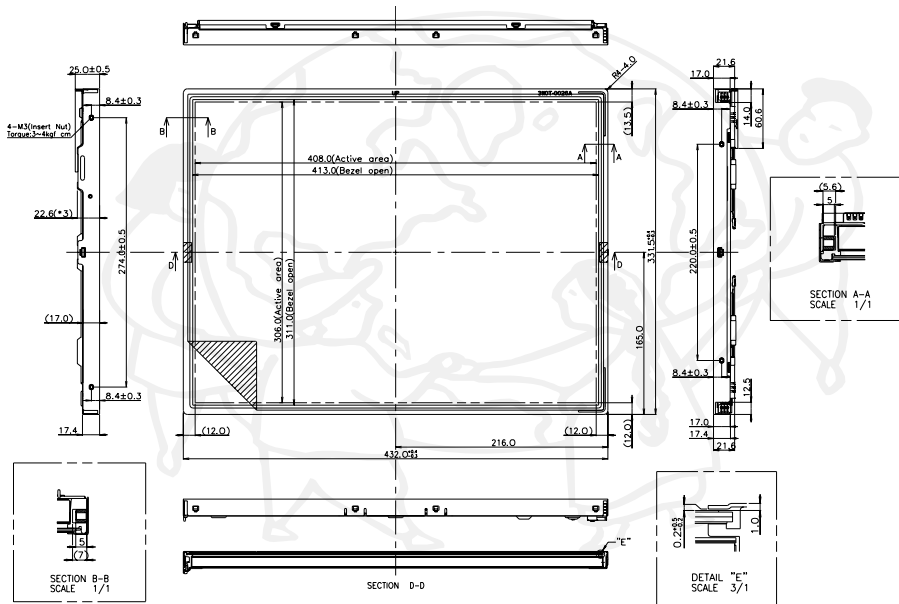
- **Dimension** : 432×331.5×25 mm
- **Luminance** : 450 nit
- **Color Gamut** : 65%
- **Lamp Current** : 7mA
- **Power Consumption** : 35.5 Watt
- **Clock Frequency** : 25MHz
- **Lamp Lifetime** : 50,000Hrs
- **Weight** : 3,400g
- **Supply Voltage** : 12V
- **Response Time** : 25ms

Schedule



2. LC201V02 Mechanical Drawing

Outline Dimension (Front View)



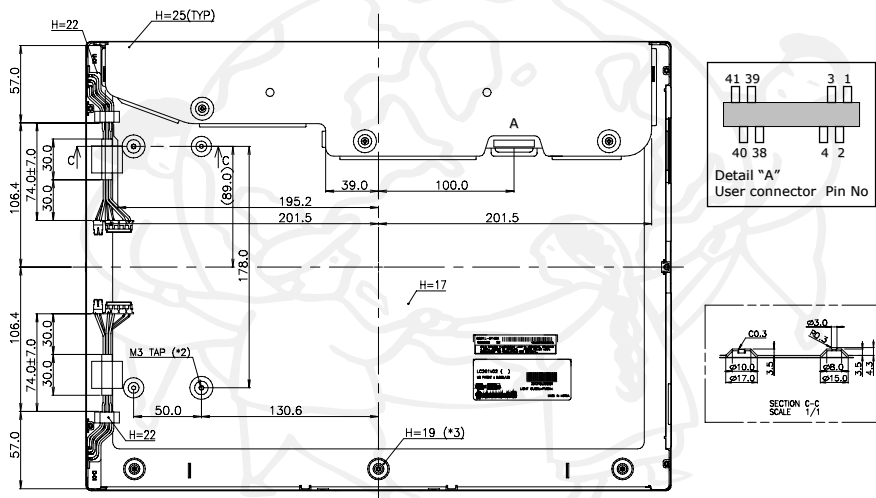
Ver 20020812

2 / 9

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2. LC201V02 Mechanical Drawing

Outline Dimension (Rear View)



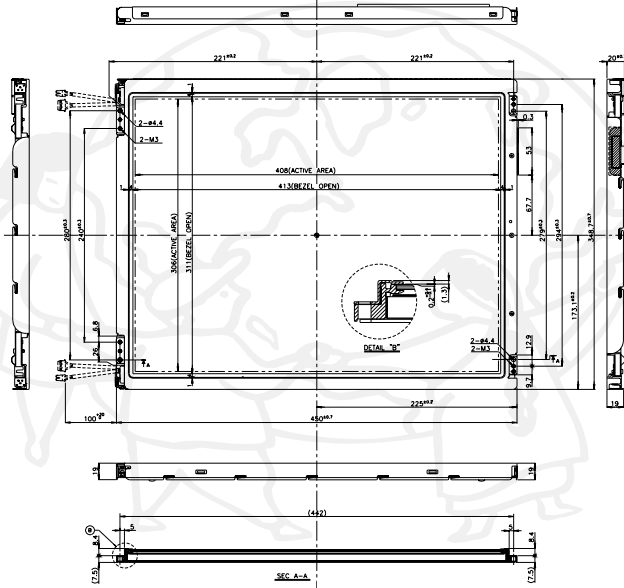
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3 / 9

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3. LC201V1 Mechanical Drawing

Outline Dimension (Front View)



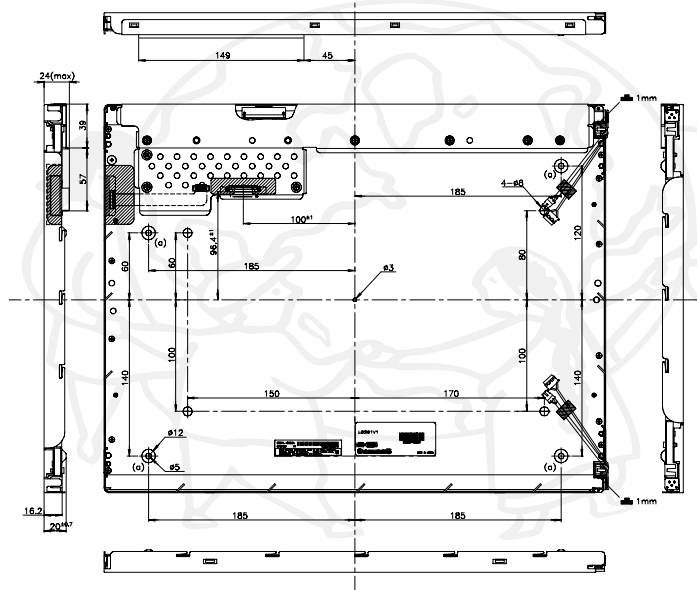
Ver 20020812

4 / 9

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3. LC201V1 Mechanical Drawing

Outline Dimension (Rear View)



Ver 20020812

5 / 9

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4. Comparison LC201V1 vs LC201V02

	Item	LC201V1	LC201V02	Remarks
General	Resolution	640 × 480 VGA	←	
	Brightness[cd/m ²]	400 [5point]	450 [1point]	
Optical	Contrast Ratio	400 : 1	←	
	Response time [ms]	25	←	
	Viewing Angle	R,L60 / U,D45	R,L80 / U,D80	at CR > 10
	Color coordinate(White)	X : 0.291, y : 0.292	X : 0.289, y : 0.304	
	Color Gamut [%]	65	←	
Electrical	Interface	TTL	←	
	Input connector	FH12-50S-0.5SH	DF9B-41P-1V Hirose	
	Supply voltage [V]	5	12	
	Number of Colors	8 bit, 16.7M	←	
Mechanical	# of CCFLs	6	←	
	Lamp connector	BHR-03VS-1 BHSR-02VS-1	BHR-05VS-1 BHSR-02VS-1	
	Lamp life time [Hrs]	40,000	50,000	
	Outline Dimension[mm]	450×348.7×20	432×331.5×25	
	Weight [g]	3,200	3,400	
	Mounting structure	Front mount	Side mount	

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6 / 9

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5. User connector pin assign

1) LC201V02

■ User connector(CN1) : DF9B-41P-1V, 1.0mm pitch, 41p, Conn to Conn Hirose

Pin No	Symbol	Description	Pin No	Symbol	Description
1	RBF	Ground	22	GND	System Ground
2	DCLK	Data Clock	23	G5	
3	GND	System Ground	24	G6	
4	H _{SYNC}	Horizontal Sync.	25	G7	Green Data(MSB)
5	V _{SYNC}	Vertical Sync.	26	B0	Blue Data(LSB)
6	GND	System Ground	27	GND	System Ground
7	R0	Red Data(LSB)	28	B1	
8	R1		29	B2	
9	R2		30	B3	
10	R3		31	B4	
11	R4		32	GND	System Ground
12	GND	System Ground	33	B5	
13	R5		34	B6	
14	R6		35	B7	Blue Data(MSB)
15	R7	Red Data(MSB)	36	GND	System Ground
16	G0	Green Data(LSB)	37	DE	Data Enable
17	GND	System Ground	38	GND	Ground
18	G1		39	VIN	Power Supply for LCM(+12V)
19	G2		40	VIN	Power Supply for LCM(+12V)
20	G3		41	VIN	Power Supply for LCM(+12V)
21	G4				

Ver 20020812

7 / 9

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5. User connector pin assign

2) LC201V1

■ User connector(CN1) : FH12-50S-0.5SH, 0.5mm pitch, 50p, FPC Hirose

Pin No	Symbol	Description	Pin No	Symbol	Description
1,2,3	NC	NC	28	G7	Green Data(MSB)
4,5	GND	Ground	29	G6	
6,7,8,9	V _{CC}	Power Input (+5V)	30	G5	
10	GND	Ground	31	G4	
11	H _{SYNC}	Horizontal Sync.	32	GND	Ground
12	V _{SYNC}	Vertical Sync.	33	G3	
13	GND	Ground	34	G2	
14	DE	Data Enable	35	G1	
15	GND	Ground	36	G0	Green Data(LSB)
16	DCLK	Data Clock	37	GND	Ground
17	GND	Ground	38	B7	Blue Data(MSB)
18	R7	Red Data(MSB)	39	B6	
19	R6		40	B5	
20	R5		41	B4	
21	R4		42	GND	Ground
22	GND	Ground	43	B3	
23	R3		44	B2	
24	R2		45	B1	
25	R1		46	B0	Blue Data(LSB)
26	R0	Red Data(LSB)	47,48	GND	Ground
27	GND	Ground	49,50	NC	NC

Ver 20020812

8 / 9

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6. Lamp connector pin assign

1) LC201V02

■ Lamp connector : BHSR-05VS-1(CN2, CN5), BHSR-02VS-1(CN3, CN4)

CN2, CN5 : BHSR-05VS-1

CN3, CN4 : BHSR-02VS-1

Pin No	Symbol	Description
1	HV	Lamp 1,6(High voltage) : Gray
2	HV	Lamp 2,5(High voltage) : Blue
3	NC	NC
4	LV	Lamp 1,5(Low voltage) : Black
5	LV	Lamp 2,6(Low voltage) : Blue

Pin No	Symbol	Description
1	HV	Lamp 3,4(High voltage) : White
2	LV	Lamp 3,4(Low voltage) : White

2) LC201V1

■ Lamp connector : BHR-03VS-1(CN2, CN4), BHSR-02VS-1(CN3, CN5)

CN2, CN4 : BHR-03VS-1

CN3, CN5 : BHSR-02VS-1

Pin No	Symbol	Description
1	HV	High voltage (Pink color cable)
2	NC	NC
3	LV	High voltage (Pink color cable)

Pin No	Symbol	Description
1	HV	High voltage (Pink color cable)
2	LV	Low voltage (White color cable)

Ver 20020812

9 / 9

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