



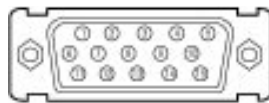
Appendix





**App. A PIN ASSIGNMENTS**

MINI D-SUB 15 P



Pin No.	LCD1510, LCD1510V	LCD2010
1	RED	RED
2	GREEN	GREEN
3	BLUE	BLUE
4	NO-CONNECTION	GROUND
5	GROUND	NO-CONNECTION
6	GROUND	GROUND
7	GROUND	GROUND
8	GROUND	GROUND
9	+5V (DDC)	NO-CONNECTION
10	GROUND	GROUND
11	GROUND	GROUND
12	SDA	NO-CONNECTION
13	H.SYNC, H/V.SYNC	H.SYNC, H/V.SYNC
14	V.SYNC	V.SYNC
15	SCL	NO-CONNECTION

**App. B Preset Signal Timing LCD1510, LCD1510V**

Preset	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (kHz)	Pixel Frequency (MHz)
1	640 x 400	56.42	24.83	21.05
2	640 x 480	59.99	31.47	25.18
3	720 x 350	70.09	31.47	28.32
4	720 x 400	70.09	31.47	28.32
5	800 x 600	56.25	35.16	36.00
6	800 x 600	60.32	37.88	40.00
7	640 x 480	66.67	35.00	30.24
8	640 x 480	72.81	37.86	31.50
9	640 x 480	75.00	37.50	31.50
10	720 x 350	85.04	37.93	35.50
11	720 x 400	85.04	37.93	35.50
12	800 x 600	75.00	46.88	49.50
13	640 x 480	85.01	43.27	36.00
14	1024 x 768	60.00	48.36	65.00
15	800 x 600	72.19	48.08	50.00
16	832 x 624	74.55	49.73	57.28
17	800 x 600	85.06	53.67	56.25
18	1024 x 768	70.07	56.48	75.00
19*	1024 x 768	75.03	60.02	78.75

* Recommended timing

**App. B Preset Signal Timing LCD2010**

Preset	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (kHz)	Pixel Frequency (MHz)
1	640 x 400	56.43	24.83	21.05
2	640 x 480	59.99	31.47	25.18
3	640 x 350	70.09	31.47	25.18
4	640 x 400	70.09	31.47	25.18
5	800 x 600	56.25	35.16	36.00
6	800 x 600	60.32	37.88	40.00
7	640 x 480	66.61	35.00	30.24
8	640 x 480	72.81	37.86	31.50
9	640 x 480	75.00	37.50	31.50
10	800 x 600	75.00	46.88	49.50
11	1024 x 768	60.00	48.36	65.00
12	800 x 600	72.19	48.08	50.00
13	1024 x 768	60.00	52.45	70.49
14	1280 x 960	60.00	60.00	108.00
15	1024 x 768	70.07	56.48	75.00
16	1024 x 768	75.03	60.02	78.75
17*	1280 x 1024	60.02	63.98	108.00
18	1280 x 1024	59.93	64.60	107.50
19	1280 x 1024	67.19	71.69	117.00
20	1280 x 960	75.00	75.00	126.00
21	1280 x 1024	75.03	79.98	135.00
22	1280 x1024	76.11	81.13	135.00

* Recommended timing



