

TFT LCD Matrix - Large Displays

Date: 10/06/09

size	resolution	maker	part number	outline dimension [mm]	interface	power	colors	brightness [cd/m2]	viewing cone [L,R,U,D]	backlight	recommended inverter		comment
											Microsemi	others	
10.4"	640 x 480	LGD	LB104V03-A1	236x180x10.0	TTL 6bit	3.3V	262K	400	60,60,40,50	2 CCFL	LXMG1628-12-62	FIF1521-03D	
		CMO	G104V1-T01	225.5x176.3x9.5	TTL 6bit	3.3V or 5V	262K	450	88,88,88,88	2 CCFL	LXMG1626-12-66	FIF1021-01D	MVA,reversible scan,high CR
		Optrex	T-55334GD104J-FW-A-AAN	241x181.6x16	6bit CMOS	3.3V	262K	1500	70,70,65,65	4 CCFL	LXMG1643-12-61	tbd	super hi-bright
		Optrex	T-55532D104J-LW-A-AAN	241x180.2x10.5	6bit CMOS	3.3V	262K	800	70,70,65,65	LED	na	na	
	800 x 600	LGD	LB104S01-TL02	224.5x172.0x5.7	1ch LVDS	3.3V	262K	250	65,65,45,55	1 CCFL	LXMG1618A-12-42	GH025A	
	1024 x 768	Optrex	T-51944D104J-FW-A-AAN	243X181.6X12.2	6/8bit LVDS	3.3V	262K/16M	400	70,70,50,60	2 CCFL	LXMG1628-12-41	DS-1005WK(B)	anti-reflective
		Hydis	HT10X21-331	238.6x173.2x5.0	1ch LVDS	3.3V	262K	170	80,80,80,80	1 CCFL	LXMG1618A-12-42	AT-0104HD	Tablet PC(6.7mm) with pouch
		CMO	G104X1-L01	225.5x176.3x9.5	8bit LVDS	3.3V	16.2M	400	88,88,88,88	2 CCFL	LXMG1626-12-66	FIF1021-01D	MVA,reversible scan,side mnt
		CMO	G104X1-L03	238.6x175.8x7.47	6/8bit LVDS	3.3V	262K/16M	350	88,88,88,88	LEDs	na	na	MVA,reversible scan,front mnt, conv built-in
		CMO	G104X1-L04	225.5x176.3x8.7	6/8bit LVDS	3.3V	262K/16M	500	88,88,88,88	LEDs	na	na	MVA,reversible scan,side mnt, conv built-in
Optrex		T-55468D104J-FW-A-AAN	230x181.6x16	6/8bit LVDS	3.3V	262K/16M	1000	80,80,65,65	4 CCFL	LXMG1643-12-61	tbd	super hi-brite, narrow bezel, side mnt	
12.1"	800 x 600	LGD	LB121S03-TD01	280x218x11	TTL 6bit	3.3V	262K	400	65,65,50,60	2 CCFL	LXMG1628-12-61	GH001HB	
		LGD	LB121S03-TL01	276x209x11	1ch LVDS	3.3V	262K	400	65,65,50,60	2 CCFL	LXMG1628-12-61	GH001HB	
		CMO	G121S1-L01	260.5x204x12.2	1ch LVDS	3.3V or 5V	262K	450	88,88,88,88	2 CCFL	LXMG1628-12-61	GH001A	MVA,reversible scan,high CR, CCFL
		CMO	G121S1-L02	260.5x204x8.4	6/8bit LVDS	3.3V or 5V	262K/16M	500	89,89,89,89	LEDs	na	na	MVA,reversible scan,high CR,LED,conv built-in
		Optrex	T-55374D121J-LW-A-AAN	280x210x12	6/8bit LVDS	3.3V	262K/16M	400	65,65,45,75	LEDs	na	na	60K LED life time
	1024 x 768	Hydis	HT12X13-100	261x199x4.7	1ch LVDS	3.3V	262K	150	45,45,20,50	1 CCFL	LXMG1618A-12-62	AT0104HD	
		Hydis	HT12X21-230	270x199x4.8	1ch LVDS	3.3V	262K	180	89,89,89,89	1 CCFL	LXMG1618A-12-62	AT0104HD	Tablet PC(6.7mm) with pouch
		CMO	G121X1-L01	260.5x204x12.2	1ch LVDS	3.3V	262K	450	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	
		CMO	G121X1-L02	260.5x204x12.5	1ch LVDS	3.3V	262K	450	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	Sun light readable,wide temp,CCFL
		Optrex	T-55105D121J-FW-A-AAN	280X219x17.8	6/8bit LVDS	3.3V	262K/16M	1000	65,65,45,75	4 CCFL	LXMG1643-12-61	tbd	anti-reflective,super hi-bright
12.1" W	1280 x 800	Hydis	HV121WX5-100	276.8x180x6.8	1ch LVDS	3.3V & 12V	262K	220	89,89,89,89	48 LED	na	na	Tablet PC, LED driver included
	Optrex	T-55312D121J-FW-A-AAN	283X185.1X19.4	6/8bit LVDS	3.3V	262K/16M	400	80,80,80,60	2 CCFL	LXMG1626-12-65	tbd	narrow bezel,side mount	
	1400 x 1050	Hydis	HV121P01-100	270x199x4.8	1ch LVDS	3.3V	262K	190	89,89,89,89	1 CCFL	LXMG1618A-12-62	AT0104HD	Tablet PC(6.7mm) with pouch
13.3" W	1280 x 800	Hydis	HV133WX1-100	301.4x196.5x6.5	1ch LVDS	3.3V & 12V	262K	300	89,89,89,89	54 LED	na	na	Tablet PC, LED driver included
15.0"	1024 x 768	LGD	LB150X02-TL01	326.5x253.5x11.2	1ch LVDS	3.3V	16.7M	300	70,70,65,75	2 CCFL	LXMG1628-12-61	GH001	PSWG
		LGD	LB150X02-TL02	326.3x253.1x14.8	1ch LVDS	3.3V	16.7M	500	70,70,65,75	4 CCFL	LXMG1643-12-64	DS-1308WG	PSWG
		LGD	LC150X01-SL01	332.8x262.8x22.0	1ch LVDS	12V	16.7M	430	88,88,88,88	6 CCFL	na	FIF1566-31A	no PSWG
		CMO	G150X1-L01	326.5x253.5x14.35	1ch LVDS	3.3V	16.2M	450	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	Wide temp
		CMO	G150X1-L03	326.5x253.5x13.58	1ch LVDS	3.3V	16.2M	500	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	PSWG,Wide temp,Sun light readable
		Optrex	T-55335D150J-FW-A-AAN	326x267x20.5	6/8bit LVDS	3.3V	262K/16M	1500	70,70,50,60	6 CCFL	tbd	tbd	super hi-bright
15.4"	1280 x 800	CMO	G154I1-L01	352x230x15.8	1ch LVDS	3.3V	262K	600	70,80,80,80	4 CCFL	LXMG1643-12-62	FIF1742-45A	PSWG,Wide temp,Sun light readable
17.0"	1280 x 1024	LGD	LM170E03-TLG1	358.5x296.5x16	2ch LVDS	5V	16.7M	300	85,85,75,85	4 CCFL	LXMG1643-12-62	AT-0170SS	PSWG
		Samsung	LTM170E8-L01	358.5x296.5x13.3	2ch LVDS	5V	16.7M	280	89,89,89,89	4 CCFL	LXMG1643-12-62	AT-0170SS	PVA
		Samsung	LTM170ET01	358.5x296.5x17.5	2ch LVDS	5V	16.7M	250	80,80,80,80	2 CCFL	LXMG1628-12-62	tbd	Green 4
		CMO	M170E8-L01	358.5x296.5x13.3	2ch LVDS	5V	16.7M	250	85,85,80,80	2 CCFL	LXMG1628-12-62	tbd	Green 4
19.0"	1280 x 1024	LGD	LM190E05-SL02	396x324x20	2ch LVDS	12V	16.7M	280	89,89,89,89	6 CCFL	na	FIF2064-31B	no PSWG due to 6 CCFL
		LGD	LM190E05-SL03	396x324x20	2ch LVDS	12V	16.7M	270	89,89,89,89	4 CCFL	na	FIF1742-45B	PSWG(12V)
		Samsung	LTM190E4-L02	396x324x17	2ch LVDS	5V	16.7M	250	89,89,89,89	4 CCFL	na	FIF1742-45A	PSWG(5V)
		Samsung	LTM190M2-L31	428x278x18.5	2ch LVDS	5V	16.7M	300	80,80,80,80	4 CCFL	na	FIF1742-45A	
22"	1680 x 1050	Samsung	LTM220M1-L01	493.7x320.1x17	2ch LVDS	5V	16.7M	300	80,80,80,80	4 CCFL	na	FIF1742-45B	TN
		Samsung	LTM220M3-L02	497.76x320.1x37	2ch LVDS	5V	16.7M	300	89,89,89,89	6 U CCFL	na	DS-1422WS	SPVA
24"	1920 x 1200	Samsung	LTM240CT04	546.4x350x18.96	2ch LVDS	5V	16.7M	300	80,80,80,80	4 CCFL	na	na	TN
		Samsung	LTM240CS06	546.4x352x36.3	2ch LVDS	5V	16.7M	400	89,89,89,89	6 U CCFL	na	na	SPVA

* See separate spreadsheet for more Optrex panels

* parts in RED are new

* Microsemi inverters have new part numbers