

TFT LCD Matrix - Large Displays

Date: Q1 2011

Size	Resolution(aspect ratio)	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	4 to 3	LGD	LB104V03-TD01	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	long life cycle, MVA(wide view), scan,			
			CMO	G104V1-T03	225.5x176.3x7.81	TTL 6bit	3.3V	262K	500	88,88,88,88	LED	na	na	50K LED,wide temp,LED converter,MVA			
		800 x 600	4 to 3	Optrex	T-55334GD104J-FW-A-AAN	241x181.6x16	6bit CMOS	3.3V	262K	1500	70,70,65,65	4 CCFL	LXMG1643-12-61	tdb	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			
				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	4 to 3	CMO	G104S1-L01	243x184x6.7	1ch LVDS	3.3V	262K/16M	400	80,80,70,70	LED	na	na	30K LED,wide temp, LED converter			
			Optrex	T-51944D104J-FW-A-ABN	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	HX104X01-212	238.6x173.2x4.3	1ch LVDS	3.3V & 12V	262K	340	89,89,89,89	SMD LED	na	na	IPEX connector, Tablet PC, AFFS+(wide view)			
			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	long life cycle,MVA,side mnt			
			CMO	G104X1-L03	238.6x175.8x7.47	6/8bit LVDS	3.3V	262K/16M	350	88,88,88,88	LEDs	na	na	long life cycle,MVA,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	long life cycle,MVA,front mnt,conv built-in			
12.1"	800 x 600	4 to 3	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	tdb	super hi-brite, narrow bezel, side mnt			
			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				
			LGD	LB121S03-TL03	276x209x9.0	1ch LVDS	3.3V & 12V	262K/16M	450	70,70,55,65	LED	na	na	built-in LED driver			
			CMO	G121S1-L01	260.5x204x12.2	1ch LVDS	3.3V or 5V	262K	450	88,88,88,88	2 CCFL	LXMG1628-12-61	GH001A	long life cycle,MVA,high CR			
			CMO	G121S1-L02	260.5x204x8.4	6/8bit LVDS	3.3V or 5V	262K/16M	500	89,89,89,89	LEDs	na	na	long life cycle,MVA,front mnt,conv built-in			
	1024 x 768	4 to 3	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			
			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 pounce			
			CMO	G121X1-L01	260.5x204x12.2	1ch LVDS	3.3V	262K	450	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	long life cycle			
			CMO	G121X1-L02	260.5x204x12.5	1ch LVDS	3.3V	262K	450	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	long life cycle,Sun light readable,wide temp			
			CMO	G121X1-L03	260.5x204x8.5	6/8bit LVDS	3.3V	262K/16M	500	80,80,80,80	LEDs	na	na	long life cycle,Sun light readable,LED			
			CMO	G121X1-L04	260.5x204x7.2	6/8bit LVDS	3.3 or 5V	262K/16M	500	80,80,70,70	LEDs	na	na	wide temp,30K LED, LED converter, TN			
12.1" W	1280 x 800	16 to 10	Optrex	T-55105D121J-FW-A-ABN	280x219x17.8	6/8bit LVDS	3.3V	262K/16M	1000	65,65,45,75	4 CCFL	LXMG1643-12-61	tdb	anti-reflective,super hi-bright			
			Hydis	HV121WX5-113	276.8x180x6.8	1ch LVDS	3.3V & 12V	262K	220	89,89,89,89	48 LED	na	na	Tablet PC, LED driver included			
			Hydis	HX121WX1-100	276.8x180x6.8	1ch LVDS	3.3V & 12V	262K	300	89,89,89,89	48 LED	na	na	Tablet PC, LED driver included			
			Hydis	HT121WX2-211	276.8x180x6.8	1ch LVDS	3.3V & 12V	262K	200	45,45,20,40	48 LED	na	na	Tablet PC, LED driver included,TN			
			CMO	G121I1-L01	278x184x8.16	1ch LVDS	3.3V & 12V	262K/16M	400	88,88,88,88	LED	na	na	50k LED,LED converter,MVA,6/8bit			
			Optrex	T-55312D121J-FW-A-ABN	283X185.1X19.4	6/8bit LVDS	3.3V	262K/16M	400	80,80,80,60	2 CCFL	LXMG1626-12-65	tdb	narrow bezel,side mount,			
			Optrex	T-55592D121J-LW-A-AAA	283X185.1X9.7	6/8bit LVDS	3.3V	262K/16M	700	80,80,80,60	LED	na	na	High bright, narrow bezel,long B/L life time			
			15.0"	1024 x 768	4 to 3	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	IPS(wide viewing angle), 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	long life cycle,Wide temp(-30~70C)
						CMO	G150X1-L03	326.5x253.5x13.58	1ch LVDS	3.3V	16.2M	500	80,80,80,80	2 CCFL	LXMG1628-12-61	GH001A	long life cycle,PSWG,Sun light readable,wide temp
Optrex	T-55335D150J-FW-A-AAN	326x267x20.5				6/8bit LVDS	3.3V	262K/16M	1500	70,70,50,60	6 CCFL	tdb	tdb	super hi-bright			
15.4" W	1280 x 800	16 to 10	CMO	G15411-L01	352x230x15.8	1ch LVDS	3.3V	262K	600	70,80,80,80	4 CCFL	LXMG1643-12-62	FIF1742-45A	long life cycle,PSWG,Sun light readable			
15.6" W	1366 x 768	16 to 9	CMO	M156B1-L01	363.8x215.9x14.3	1ch LVDS	5V	16.7M	250	45,45,20,45	2 CCFL	tdb	tdb				
			Samsung	LTM156AT05-H01	359.3x209.5x5.5	1ch LVDS	3.3V/12V	262K	200	45,45,15,35	LED	na	na	built-in LED driver			
			LGD	LP156WH3-TLL2	347.5x196.8x3.8	1ch LVDS	3.3V/12V	262K	200	45,45,15,35	LED	na	na	built-in LED driver			
17.0"	1280 x 1024	5 to 4	Samsung	LTM170E01	358.5x296.5x17.5	2ch LVDS	5V	16.7M	250	80,80,80,80	2 CCFL	LXMG1628-12-62	tdb				
			LGD	LM170E03-TLJ1	358.5x296.5x13.5	2ch LVDS	5V	16.7M	250	85,85,75,85	2 CCFL	tdb	tdb				
			CMO	M170E8-L01	358.5x296.5x13.3	2ch LVDS	5V	16.7M	250	85,85,80,80	2 CCFL	LXMG1628-12-62	tdb				
			Optrex	T-55535D170J-FW-A-AAN	358.5x296.5x16.9	2ch LVDS	3.3 or 5V	262K/16M	500	80,80,80,60	4 CCFL	tdb	tdb				
18.5" W	1366 x 768	16 to 9	CMO	M185B1-L02	430.37x254.6x16.25	1ch LVDS	5V	16.7M	250	85,85,80,80	2 CCFL	na	tdb				
19.0"	1280 x 1024	5 to 4	LGD	LM190E08-TLJ7	396x324x15.5	2ch LVDS	5V	16.7M	250	85,85,75,85	2 CCFL	na	tdb				
			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)			
19.0" W	1440 x 900	16 to 10	Samsung	LTM190B03	428x278x17.5	2ch LVDS	5V	16.7M	300	80,80,80,80	2 CCFL	na	tdb				
20" W	1600 x 900	16 to 9	Samsung	LTM200KP01	462.8x272x17.5	2ch LVDS	5V	16.7M	250	89,89,89,89	4 CCFL	na	tdb	SPVA			
			CMO	M200Q1-L02	462.8x272x10.4	2ch LVDS	5V	16.7M	250	85,85,80,80	2 CCFL	na	tdb	TN			
20"	1600x1200	4 to 3	LGD	LM201U05-SL11	432x331.5x25	2ch LVDS	20V	16.7M	300	89,89,89,89	6 CCFL	na	tdb	IPS			
21.5" W	1920 x 1080	16 to 9	LGD	LM215WF3-SLC1	495.6x292.2x10.2	2ch LVDS	5V	16.7M	250	89,89,89,89	LED	na	na	IPS			
22" W	1680 x 1050	16 to 10	Samsung	LTM220M3-L02	497.76x320.1x37	2ch LVDS	5V	16.7M	300	89,89,89,89	6 U CCFL	na	DS-1422WS	SPVA			
23" W	1920 x 1200	16 to 10	LGD	LM230WF3-SLB1	533.2x312x10.5	2ch LVDS	5V	16.7M	250	89,89,89,89	LED	na	na	IPS, LED			
24" W	1920 x 1200	16 to 10	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			
			LGD	LM240WU4-SLB3	546.4x352x40.3	2ch LVDS	12V/24V	1.07B	400	89,89,89,89	7 U CCFL	na	na	IPS, built-in inverter			
26"	1920 x 1200	16 to 10	CMO	G26Q11-L01	582x375.6x42.4	2ch LVDS	5V/24V	16.7M	400	88,88,88,88	CCFL	na	na	MVA, built-in inverter			
27" W	1920 x 1080	16 to 9	LGD	LM270WQ2-SLA1	630x368.2x42.7	4ch LVDS	12V	1.07B	350	89,89,89,89	8 CCFL	na	na	IPS, built-in inverter			

* See separate spreadsheet for more Optrex panels

* wide viewing angle technology; IPS, PVA, MVA and AFFS