

TFT LCD Matrix - Small and Medium Displays

Date: 10/20/09

size	resolution	maker	part number	outline dimension [mm]	interface	power	colors	brightness [cd/m2]	viewing cone [L,R,U,D]	backlight	touch	EPSON LCD	recommended inverter		comment
													Microsemi	others	
2.2"	240 x 320	EDT	ET022002DMU	40.1x56.9x3.65	RGB & MCU	2.8V	262K	300	75,75,70,45	LED	no	S1D13781, 743	na	na	
2.4"	240 x 320	EDT	ET024006DMU	42.7x60.26x3.0	MCU IF, SP	2.8V	262K	300	75,75,70,60	LED	no	S1D13781, 743	na	na	
2.5"	960 x 240	Samsung	LMS250GF06	58.9x43.1x2.6	MCU IF, SP	3.3V,Vcorr	262K	250	TBD	LED	no	S1D13781, 743	na	na	RGB Delta, DIC SS53002
3.0"	240 x 400	Optrex	T-55149GD030J-MLW-AJN	47.28x76.4x4.4	80/68/RGB	1.8V,2.8V	262K	400	70,70,80,58	LED	no	S1D13781, 743	na	na	transflective, 20% reflectance(CR 13)
3.5"	240 x 320	LGD	LH350Q31-FD01	60.7x84x3.3	TTL 6bit, SPI	3.3V&1.8V	262K	250	45,45,45,45	6 LED	yes	S1D13781, 743	na	na	Transflective
		Optrex	T-51963GD035J-MLW-AGN	65x86.2x4.0	6bit CMOS	3.3V& etc	262K	130	40,40,40,40	LED	yes	S1D13781, 743	na	na	transflective, 20% reflectance(CR 13)
	320 x 240	LGD	LB035Q04-TD01	76.9x63.9x4.25	TTL 8bit, SPI	3.3V	pseudo 16M	300	65,65,50,60	6 LED	yes	S1D13781, 743	na	na	
		Samsung	LMS350GF21	76.9x63.9x4.25	TTL 8bit, SPI	3.3V	16.7M	320	65,65,50,55	6 LEDs	yes	S1D13781, 743	na	na	option for w/o TSP(G22), TMR, 71pin
4.0"	320 x 240	Optrex	T-55343GD035JU-LW-AEN	79x65x4.4	8bit w SPI	3.3V	16M	400	80,80,80,80	LED	yes	S1D13781, 743	na	na	AG, 12'O clock
		LGD	LB040Q02-TD05	98.4x78x10.4	TTL 6bit	3.3V	262K	450	70,70,50,60	1 CCFL	no	S1D13781, 743	LXMG1618A-12-42	tbd	
4.3" W	480 x 272	LGD	LB043WQ2-TD01	105.5x67.2x4.0	TTL 8bit	2.5V or 3.3V	16M	350	70,70,65,55	10 LED	4W R	S1D13781, 743	na	na	DE only
		Samsung	LMS430HF20	105.5x67.2x4.05	TTL 8bit	2.5 or 3.3V	16.7M	400	80,80,80,80	10 LEDs	yes	S1D13781, 743	na	na	option for w/o TSP(HF15), TMR, VA
	800 x 480	Hydis	HVT43WV1-M00	106 x 69.8 x 3.2	TTL 8bit	3.3V & 5V	16.7M	200	85,85,85,85	10 LED	no	S1D13517, 748	na	na	AFFS
4.8"W	800 x 480	Samsung	LMS480KC03	112x75x3.8	TTL 8bit, SPI	3.3V&more	16.7M	400	80,80,80,80	12 LEDs	4W R	S1D13517, 748	na	na	option for w/o touch, LTPS,TMR
	800 x 480	Samsung	LMS480KFOX	115.6x75x2.85	TTL 8bit	3.3V	16.7M	450	80,80,80,80	14 LEDs	no	S1D13517, 748	na	na	TMR
	1024 x 600	Samsung	LMS480JC01	112.05x73.26x5.68	LVDS	3.3V	262K	280	65,65,50,55	11 LEDs	4W R	na	na	na	LTPS,TMR
5.0" W	800 x 480	Optrex	T-55423GD050J-LW-AAN	118.5x77.8x4.7	8bit CMOS	3.3V,5V	16.7M	200	85,85,85,85	LED	4W R	S1D13517, 748	na	na	normally black(IPS)
5.7"	320 x 240	EDT	ET057011DM6	124.7x100x10.5	TTL 8bit	3.3V	16.7M	500	75,75,60,75	LEDs	no	S1D13781, 743	na	na	
		EDT	ET057011DH6	124.7x100x12.3	TTL 8bit	3.3V	16.7M	450	75,75,60,75	LEDs	yes	S1D13781, 743	na	na	
	640 X 480	Optrex	AA057VF02	135x104.6x8.85	6bit CMOS	3.3V	262K	400	80,80,80,60	LED	no	S1D13517, 742	na	na	LED driver built-in
6.4"	640 x 480	LGD	LB064V02-TD01	145.5x111.5x6.0	TTL 6bit	3.3V	262K	250	65,65,50,60	1 CCFL	no	S1D13517, 742	LXMG1618A-12-42	GH025A	
6.5"	640 X 480	Optrex	T-51750GD065J-LW-AQN	158x120.36x12.13	6bit CMOS	3.3 or 5V	262K	600	55,55,30,60	LED	4W R	S1D13517, 742	na	na	
		Optrex	T-55465D065J-LW-AEN	154x121x11	6bit CMOS	3.3V	262K	700	80,80,80,60	LED	no	S1D13517, 742	na	na	anti-reflective
7.0" W	800 x 480	LGD	LB070WV4-TD02	165x104.6x3.6	TTL 8bit	3.3V	16.7M	350	65,65,50,60	3x8 LEDs	no	S1D13517, 748	na	na	
		CMO	G070Y1-T01	165X104x5.5	TTL 6bit	3.3V & more	262K	450	60,60,70,70	1 CCFL	no	S1D13517, 748	LXMG1618A-12-61	tbd	wide temp, reversible scan,no T-Con,automoti
		CMO	G070Y3-T01	168x94x5.7	TTL 6bit	3.3V & more	262K	600	60,60,70,70	LEDs	no	S1D13517, 748	na	na	wide temp, reversible scan,no T-Con,automoti
		CMO	G070Y2-L01	165X104x9.27	6/8bit LVDS	3.3V	262K/16.7M	500	70,70,60,60	LEDs	no	na	na	na	wide temp, reversible scan,no T-Con,automoti
		Samsung	LMS700KF15	163.2x104x3.4	TTL 8bit	3.3V	16.7M	350	70,70,70,70	24 LEDs	no	S1D13517, 748	na	na	TMR
		Samsung	LMS700KF16	163.2x104x4.5	TTL 8bit	3.3V	16.7M	280	70,70,70,70	24 LEDs	4W R	S1D13517, 748	na	na	TMR
8.0" W	800 x 480	LGD	LB080WV3-B2	198x117x10.3	TTL 6bit	5V	262K	400	60,60,40,50	1 CCFL(L TYPE)	no	S1D13513	LXMG1618A-12-62	TBD	DE only, Logic 3.3V
		CMO	G080Y1-T01	190x120x5.06	TTL 6/8bit	3.3V & more	262K/16.7M	600	70,70,60,60	54 LEDs	no	S1D13513	na	na	automotive
8.4"	800 x 600	Optrex	T-55466D084J-LW-AAN	199.5x149x11.5	6/8bit LVDS	3.3V	262K/16M	600	80,80,80,60	LED	no	na	na	na	hi-brite, wide temp, LED life 60K
	1024 x 768	Optrex	T-51639D084JU-FW-AAB	205X152.4X11.3	6/8bit LVDS	3.3V	262K/16M	300	65,65,60,50	CCFL	no	na	LXMG1627-12-41	FIF1521-05B	
8.9" W	1280 x 768	Hydis	HV089WX1-100	206.6x133x5.25	1ch LVDS	3.3V & VAD	262K	300	89,89,89,89	36 LED	no	na	na	na	Tablet PC, LED driver required

* See separate spreadsheet for more Optrex panels

* products in RED are new or replaced parts

* Microsemi inverters have new part numbers

