

Thin Film Transistor Modules & Parallel LCD Displays



Color TFT (Thin Film Transistor) Modules

- White LED backlight
- Transmissive TFT
- Wide viewing angle
- High brightness LED backlights

2118715: Recommend NHD-FFC37 adapter P/N 2122731 (see web)
2118723: Recommend NHD-COG14-36 adapter P/N 2122749 (see web)
2118731: Recommend NHD-FFC20-1 adapter P/N 2122757 (see web),
 NHD-3.5-320240MF-20, P/N 2122765 controller board (see web),
 digital RGB interface (6.5MHz)
2118740: 16-bit digital input data, touch panel type, recommend
 NHD-4.3-480272MF-20 controller board P/N 2122773 (see web)
2118758: Recommends NHD-FFC20-1 adapter P/N 2122757 (see web)



NEW
MARKED IN PINK

★ Web Code: GCG

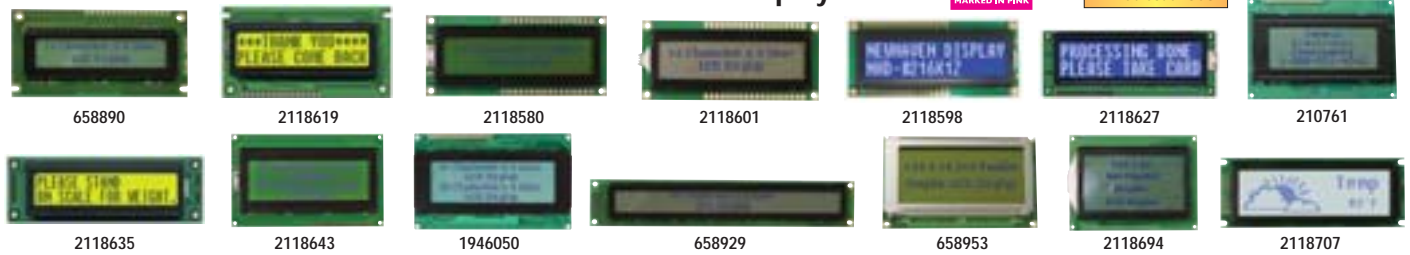
Part No.	Mfr.	Mfr. Part No.	Pixels (Portrait Mode)	Diagonal View	Input Data (Parallel)	Input Voltage (V @ mA)	Built-In Controller	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing		
										1	5	25
2118715	Newhaven	NHD-1.8-128160ZF-CTXL#	128 x 160	1.8"	8-bit	2.8 @ 25.5	IL9163	1.4 x 1.9 x 0.10	1.10 x 1.40	\$17.95	\$16.95	\$15.95
2118723	Newhaven	NHD-2.4-240320SF-CTX#	240 x 320	2.4"	8-bit or 16-bit	2.8 @ 7	IL9328	1.7 x 2.4 x 0.10	1.50 x 1.90	29.95	27.95	25.95
2118731	Newhaven*	NHD-3.5-320240MF-ATXL#-1	320 x 240	3.5"	24-bit	3.3 @ 8.6	—	3.0 x 2.5 x 0.11	2.80 x 2.10	33.95	31.95	29.95
2118740	Newhaven	NHD-4.3-480272MF-ATXI#-T-1	480 x 272	4.3"	24-bit	3.3 @ 32	—	4.2 x 2.7 x 0.15	3.70 x 2.10	48.95	45.95	42.95
2118758	Newhaven*	NHD-5.7-640480WF-CTXL#-T	640 x 480	5.7"	24-bit	3.3 @ 190	SSD1963	4.9 x 3.9 x 0.15	4.50 x 3.40	139.95	134.95	129.95

* Landscape mode

Parallel LCD Displays

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Part No.	Mfr.	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage	Letters-Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing		
											1	5	25
137373	Varitronix	MDLS16166D	16 x 1	5 x 8	8-bit	5.0V @ 0.6mA	Black-None	2, 3	3.1 x 1.4 x 0.4	2.5 x 0.5	\$8.95	\$7.95	\$6.95
1939571	Hitachi	LM071L	16 x 2	5 x 7	8-bit	5.0V @ 1.0mA	Black-None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	8.95	7.95	6.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	7.95
658988	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Black-Yellow	3	4.8 x 1.7 x 0.6	3.9 x 0.9	11.95	10.95	8.95
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	3.3 x 1.7 x 0.4	2.4 x 0.6	13.95	12.49	11.25
658881	Hantronix	HDM716216H-4-HOAF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	4.8 x 1.7 x 0.4	3.9 x 0.9	12.95	11.49	10.95
171716	Ampire	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Black-Yellow/Green	2, 3	3.4 x 1.2 x 0.5	2.5 x 0.7	19.95	17.95	15.95
1946068	Goldentek	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0V @ 1.0mA	Black-Yellow/Green	—	2.8 x 1.4 x 0.4	2.6 x 0.6	9.95	8.95	7.95
2118619	Newhaven	NHD-021682-FL-YBW	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 1.5mA	Blue-Yellow/Green	5, 6	3.3 x 1.7 x 0.5	2.5 x 0.6	9.95	8.95	7.95
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	Black-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	17.95	15.95	13.95
2118580	Newhaven	NHD-0216K1Z-FL-YBW	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 1.5mA	Blue-Yellow/Green	5, 6	3.2 x 1.4 x 0.5	2.5 x 0.6	9.95	8.95	7.95
2118601	Newhaven	NHD-0216K1Z-FS(RGB)-FBW	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 1.5mA	Black-RGB	5, 6	3.2 x 1.4 x 0.5	2.5 x 0.6	13.95	12.95	11.95
2118598	Newhaven	NHD-0216K1Z-NSW-BBW-L	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 1.5mA	White - Blue	5, 6	3.2 x 1.4 x 0.5	2.5 x 0.6	10.95	9.95	8.95
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	White-Black	—	3.1 x 1.4 x 0.4	2.5 x 0.4	14.95	13.49	11.95
2118627	Newhaven	NHD-0216S2-NSW-BBW	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 1.5mA	White-Blue	5, 6	4.8 x 1.7 x 0.5	3.9 x 0.9	21.95	20.49	18.95
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Black-Yellow/Green	—	3.3 x 1.2 x 0.5	2.4 x 0.6	13.95	12.49	10.95
2081166	Optrex	DMC16249	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Black-Grey - None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	9.95	8.95	7.95
210761	Various	UC-16401 (Samsung)	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	Black-None	1, 3	3.4 x 2.4 x 0.3	2.4 x 1.0	24.95	22.49	19.95
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	Black-None	4	7.2 x 1.6 x 0.4	6.5 x 1.3	9.95	8.95	7.95
2115451	Hantronix	HDM20216H-3-U10S	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Gray-White-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	12.95	11.49	9.95
2115469	Hantronix	HDM20216H-3-VHOP	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Yellow-White-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	12.95	11.49	9.95
171724	Ampire	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Black-Yellow/Green	2, 3	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
2118635	Newhaven	NHD-0220DZ-FL-YBW	20 x 2	5 x 8	4-bit or 8-bit	5.0V @ 1.5mA	Blue-Yellow/Green	5, 6	4.6 x 1.5 x 0.4	3.3 x 0.7	17.95	16.95	15.95
2118643	Newhaven	NHD-0420DZ-FL-YBW	20 x 4	5 x 8	4-bit or 8-bit	5.0V @ 3.5mA	Blue-Yellow/Green	5, 7	3.9 x 2.4 x 0.6	3.0 x 1.0	21.95	20.49	18.95
1946050	Goldentek	GM-C2004A	20 x 4	5 x 8	8-bit	5.0V @ 1.5mA	Blue-Grey-None	—	3.8 x 2.7 x 0.3	3.0 x 1.0	9.95	8.95	7.95
658831	Hantronix	HDM40216H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	7.95	6.95	6.25
658929	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	9.95	8.95	7.95
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-Yellow/Green	3	7.2 x 1.3 x 0.6	6.1 x 0.6	20.95	18.95	16.95
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	Black-None	—	7.5 x 2.1 x 0.4	5.5 x 0.9	22.95	19.95	16.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Black-None	4	3.0 x 2.1 x 0.4	2.4 x 1.3	19.95	17.95	15.95
2118694	Newhaven	NHD-12864AZ-FSW-GBW-VZ	128 x 64	128 x 64	8-bit	5.0V @ 3.5mA	Blue - White	5, 8	3.7 x 2.8 x 0.5	2.8 x 1.6	25.95	24.49	23.95
2118707	Newhaven	NHD-24064CZ-FSW-GBW-VZ	240 x 64	240 x 64	8-bit	5.0V @ 7.0mA	Blue -White	5, 9	4.6 x 1.8 x 0.5	3.8 x 1.2	49.95	48.95	47.95

† 1. Control LSI HD44780 & column driver MSM5259 or equivalents; 2. Controller KS0066U or equivalent; 3. Recommended power supply P/N 164101, pg 123; 4. Dot Graphic LCD display
 5. Recommended power supply P/N 252701, pg 121 6. Controller SPLC780D or equivalent 7. Controller SPLC780D-01 or equivalent 8. Controller KS0108B 9. Controller RA6963

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