

MICROTIPS LCD Display Modules

VIVID LIQUID CRYSTAL DISPLAYS (VLCD)

- Low cost alternative to (VFD) Displays
- No Image Sticking
- High Contrast (800:1)
- Parallel Interface
- High Brightness

RoHS Compliant This product is RoHS compliant.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Display Format	Backlight (LED) Color	Display Mode	Module Size (mm) WxHxT	Viewing Area (mm)	Character Size (mm) WxH	Dot Size (mm) WxH	Price Each			
								1	5	10	50
668-UMSH-3267MD-UB	2 x 20	White	Transmissive	37.0 x 116.0 x 17.2	73.8 x 16.5	3.065 x 5.56	0.585 x 0.66	32.69	30.36	28.33	26.15
668-UMSH-3267MD-1UB	2 x 20	Red	Transmissive	37.0 x 116.0 x 17.2	73.8 x 16.5	3.065 x 5.56	0.585 x 0.66	32.69	30.36	28.33	26.15
668-UMSH-3267MD-2UB	2 x 20	Green	Transmissive	37.0 x 116.0 x 17.2	73.8 x 16.5	3.065 x 5.56	0.585 x 0.66	32.69	30.36	28.33	26.15
668-UMSH-3267MD-3UB	2 x 20	Blue	Transmissive	37.0 x 116.0 x 17.2	73.8 x 16.5	3.065 x 5.56	0.585 x 0.66	32.69	30.36	28.33	26.15

DIGITAL COLOR TFT DISPLAYS

- 3.5" with TMR-Transmissive Micro Reflective
- Up to 16.7 million colors
- SPI Interface available

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size (In.)	Touch Screen	Resolution	Dimensions WxH (mm)	Brightness (nits)	Contrast Ratio	Operating Temp. (°C)	Pixel Pitch	Price Each			
									1	5	10	50
668-MTF-TQ24NN731-LB	2.4"	No	240xRGBx320	42.72x60.26	210	250	-20 to 70°C	0.153 x 0.153	24.92	24.18	22.50	21.60
668-MTF-TQ28NN911-LB	2.8"	No	240xRGBx320	50.0x69.2	200	300	-20 to 70°C	0.18 x 0.18	45.60	41.45	39.31	36.77
668-MTF-TQ35SN741-AV	3.5"	No	240xRGBx320	76.9x 63.9	250	200	-20 to 70°C	0.073 x 0.219	45.23	43.88	40.83	39.20
668-MTF-TQ35SP741-AV	3.5"	Yes	240xRGBx320	76.9x 63.9	210	200	-20 to 70°C	0.073 x 0.219	67.20	61.09	57.93	54.19
668-MTF-TV57NP721-AV	5.7"	Yes	240xRGBx320	144.0x104.6	400	300	-20 to 70°C	0.36 x 0.36	122.77	119.10	110.83	106.40
668-MTFT057ACSLN-LB	5.7"	No	240xRGBx320	144.0x104.6	220	300	-20 to 70°C	0.36 x 0.36	108.92	105.67	98.33	94.40
668-MTFT070ACSLP-LB	7.0"	Yes	800x480	165.0x104.0	180	400	-20 to 70°C	0.19 x 0.19	120.00	109.09	103.45	96.77

GRAPHIC MODULES - TOUCH SCREEN

Transflective LED Backlight

- 128x128 Dot Pixels (WxH)
- 6 O'Clock Viewing Direction

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fluid Type	Back-ground Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Dot Pitch H x W	Dot Size (mm) H x W	Price Each			
									1	5	10	50
668-NBS000255YSGY01	STN	Yellow	Edge LED	Yellow/Green	89.5x73.2x3.8	6.0x58.4	.43x.43	0.40x0.40	31.34	28.49	27.02	25.27

† Touch Screen Modules without an "on board" controller.

Graphic Modules-Transflective With Backlight

For quantities of 100 and up, call for quote.

122x32 Dot Pixels (WxH): LED Backlight												
668-NGS12232FYSGY10	STN	Yellow	Edge LED	Yellow/Green	59.0x29.3x5.5	52.0x15.0	.345x.345	0.03x0.03	11.76	10.69	10.14	9.48
128x64 Dot Pixels (WxH): LED Backlight												
668-NG-S12864BFYSGY	STN	Yellow	Edge LED	Yellow/Green	75.0x52.7x9.0	6.0x32.5	.43x.43	0.40x0.40	18.16	16.51	15.66	14.65
160x160 Dot Pixels (WxH):												
668-NG-F16160FFWSEB	FSTN	White	EL	Blue	69.0x69.5x6.8	6.5x79.25	.35x.35	0.33x0.33	28.82	27.96	26.01	24.97
240x64 Dot Pixels (WxH): Array LED Backlight												
668-NG-S24064FFYSAY	STN	Yellow	Array LED	Yellow/Green	18.0x65.0x16.1	132.0x39.0	.53x.53	0.51 x0.51	50.83	49.31	45.89	44.05
320x240 Dot Pixels (WxH): CCFL Backlight												
668-NG-F32240JFWSCW	FSTN	White	CCFL	White	167.1x109.0x11.0	122.0x92.0	.36x.36	0.34x0.34	77.54	75.22	70.00	67.20

Graphic Modules - Negative Transmissive With Backlight

- 128x64 Dot Pixels (WxH)

For quantities of 100 and up, call for quote.

668-NG-S12864IMNSGW	STN	Negative	Edge LED	White	93.0x7.0x14.5	71.7x39.0	.52x.52	0.50x0.50	27.97	27.13	25.25	24.24
668-NG-S24064IMNSGW	STN	Negative	Edge LED	White	18.0x65.0x16.1	132.0x39.0	.53x.53	0.51x0.51	52.95	51.37	47.81	45.89

LCD CHARACTER DISPLAYS

- 6 O'Clock Viewing Direction
- STN Fluid Type

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Format	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x D	Viewing Area (mm) H x W	Character Size (mm)	Dot Size (mm) H x W	Price Each			
									1	5	10	50
Reflective												
668-NC-S0802XRGNN	8x2	Gray	None	None	58.0x 32.0 x 10.0	38.0x16.0	3.55x5.94	0.056x0.66	5.72	5.20	4.93	4.61
668-NC-S0802XRYNS	8x2	Yellow	None	None	58.0x 32.0 x 10.0	38.0x16.0	3.55x5.94	0.056x0.66	4.40	4.27	3.97	3.81
668-NC-S16101XRGHs	16x1	Gray	None	None	122.0x33.0x10.5	99.0x13.0	4.84x8.06	0.92x1.10	13.20	12.00	11.38	10.65
668-NC-S16201XRGHs	16x2	Gray	None	None	122.0x44.0x10.5	99.0x24.0	4.84x8.06	0.92x1.10	10.26	9.96	9.26	8.89
668-NC-S16204XRGHs	16x2	Gray	None	None	84.0x44.0x10.0	62.2x17.9	2.95x5.55	0.55x0.65	7.17	6.96	6.47	6.21
668-NC-S16204XRYHs	16x2	Yellow	None	None	84.0x44.0x10.0	62.2x17.9	2.95x5.55	0.55x0.65	9.32	8.47	8.03	7.52
668-NC-S16205DRGHs	16x2	Gray	None	None	84.0x36.0x9.5	64.5x16.4	2.97x5.57	0.57x0.67	6.62	6.42	5.97	5.73
668-NC-S16400XRGHs	16x4	Gray	None	None	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	13.03	12.64	11.76	11.29
668-NC-S20200XRGHs	20x2	Gray	None	None	116.0x37.0x10.0	82.2x18.2	3.20x5.55	0.60x0.65	10.15	9.85	9.17	8.80
668-NC-S20400XRGHs	20x4	Gray	None	None	98.5x60.0x10.5	76.0x25.2	2.95x4.75	0.55x0.55	18.36	16.69	15.83	14.81
668-NC-S24200XRYHs	24x2	Yellow	None	None	118.0x36.0x10.0	94.5x18.0	3.20x5.55	0.60x0.65	13.20	12.00	11.38	10.65
Transflective with LED Backlight												
668-NC-S0802XFGNSAY	8x2	Gray	Array LED	Yellow/Green	58.0x 32.0 x 10.0	38.0x16.0	3.55x5.94	0.056x0.66	7.16	6.51	6.17	5.77
668-NC-S0802XFYNSAY	8x2	Yellow	Array LED	Yellow/Green	58.0x 32.0 x 10.0	38.0x16.0	3.55x5.94	0.056x0.66	7.16	6.51	6.17	5.77
668-NC-S16100XFGNSAY	16x1	Gray	Array LED	Yellow/Green	80.0x36.0x14.5	65.0x14.0	3.77x6.59	0.58x0.78	9.84	8.95	8.48	7.94
668-NC-S16100XFYSAY	16x1	Yellow	Array LED	Yellow/Green	80.0x36.0x14.5	65.0x14.0	3.77x6.59	0.58x0.78	9.84	8.95	8.48	7.94
668-NC-S16101XFYSAY	16x1	Yellow	Array LED	Yellow/Green	122.0x33.0x15.0	99.0x13.0	4.84x8.06	0.92x1.10	15.04	13.67	12.97	12.13
668-NC-S16201XFGNSAY	16x2	Gray	Array LED	Yellow/Green	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	13.85	13.43	12.50	12.00
668-NC-S16201XFYSAY	16x2	Yellow	Array LED	Yellow/Green	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	18.00	16.36	15.52	14.52
668-NC-S16204XFGNSAY	16x2	Gray	Array LED	Yellow/Green	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	9.02	8.75	8.14	7.81
668-NC-S16204XFYSAY	16x2	Yellow	Array LED	Yellow/Green	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	11.72	10.65	10.10	9.45
668-NC-S16205DFGNSAY	16x2	Gray	Array LED	Yellow/Green	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	10.96	9.96	9.45	8.84
668-NC-S16205DFYNSAY	16x2	Yellow	Array LED	Yellow/Green	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	8.43	8.18	7.61	7.31
668-NC-S16400XFYSAY	16x4	Yellow	Array LED	Yellow/Green	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	16.09	15.61	14.53	13.95
668-NC-S20200BFGSGW	20x2	Gray	Edge LED	White	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	17.02	15.47	14.67	13.73
668-NC-S20200XFYSAY	20x2	Gray	Array LED	Yellow/Green	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	13.08	12.69	11.81	11.33
668-NC-S20200XFGNSAY	20x2	Yellow	Array LED	Yellow/Green	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	17.00	15.45	14.66	13.71
668-NC-S20400XFYSAY	20x4	Yellow	Array LED	Yellow/Green	98.5x60.0x14.5	76.0x25.2	2.95x4.75	0.55x0.55	22.56	20.51	19.45	18.19
668-NC-S24200XFGNSAY	24x2	Gray	Array LED	Yellow/Green	118.0x36.0x14.5	94.5x18.0	3.20x5.55	0.60x0.65	15.51	15.04	14.00	13.44
668-NC-S40200XFYSAY	40x2	Yellow	Array LED	Yellow/Green	182.0x33.5x14.0	154.0x16.5	3.20x5.55	0.60x0.65	20.22	18.38	17.43	16.31
Negative Transmissive with LED Backlight												
668-NC-S20200BFGSGW	20x2	Neg.	Edge LED	White	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	17.02	15.47	14.67	13.73