

Alphanumeric LCD Modules - continued

Large Character Displays with Serial Input - continued

Transflective with LED Backlight - continued

Format	Mftrs. List No.	Order Code	1+	3+	5+
2 x 20 with serial driver	LSR4305BG2C20SNG	114-4456	5,655.00	5,588.00	--
4 x 40 with serial driver	LSR4790BG4C40SNG	114-4457	19,275.00	--	--

Blue Alphanumeric LCD Modules with LED Backlight



Photograph to show difference between standard LCD and the Blue-White LCD

A range of Alphanumeric LCD displays with high contrast white characters on a dark blue background, ideal for adding a high technology appearance to products already using standard STN green/ black form factor displays.

The displays utilise the latest white LED technology for the backlight whilst maintaining compatibility with the standard HD44780 driver format. All displays have a built in controller (HD44780 or equivalent)

Format Char. Lines	Module Size W x H x D	Display Area W x H	Character Size W x H	Mftrs. List No.	Order Code
16 x 1	122 x 33 x 10	99 x 13	4.84 x 9.66	ASI-G-161BS-LJ-EWS/W	412-7304
16 x 2	84 x 44 x 10	64.5 x 16	2.96 x 4.86	ASI-G-162FS-GF-EWS/W	412-7316
16 x 2	122 x 44 x 15	99 x 24	4.84 x 8.06	ASI-G-162AS-LJ-EWS/W	412-7328
20 x 2	116 x 37 x 9	84 x 19	3.2 x 4.85	ASI-G-202AS-FE-EWS/W	412-7330
20 x 4	98 x 60 x 15	76 x 25.2	2.95 x 4.15	ASI-G-204AAS-LL-FWS/W	439-8129
24 x 2	118 x 36 x 9	96 x 18.8	3.2 x 4.85	ASI-G-242AS-GE-EWS/W	412-7341
40 x 2	182 x 35.5 x 10	154 x 15.3	3.2 x 4.85	ASI-G-402AS-GF-EWS/W	412-7353
40 x 4	190 x 54 x 15	149 x 31	2.78 x 4.27	ASI-G-404AS-LJ-EWS/W	412-7365

Format	Order Code	1+	5+	10+	25+	50+
16 x 1	412-7304	2,321.00	2,151.00	1,972.00	1,838.00	--
16 x 2	412-7316	2,256.00	2,070.00	1,881.00	1,612.00	--
16 x 2	412-7328	3,271.00	2,974.00	2,726.00	2,667.00	--
20 x 2	412-7330	3,523.00	3,132.00	2,818.00	2,298.00	--
20 x 4	439-8129	4,872.00	4,429.00	4,060.00	3,867.00	--
24 x 2	412-7341	3,473.00	3,127.00	2,841.00	2,549.00	--
40 x 2	412-7353	4,664.00	4,199.00	3,817.00	3,432.00	--
40 x 4	412-7365	8,575.00	7,622.00	6,859.00	5,716.00	--

LCD Message Controllers

LCD Terminal



Overall size = 87mm x 60mm x 17mm, 2 x 3mm mounting holes

Note: The LCD display and lead, battery, D connector and lead are available separately

- Interfaces with standard alphanumeric displays from 1x8 to 4x40 with SIL or DIL connection
- RS232 baud rates of 1200, 2400, 4800 and 9600 selectable
- Buffering of incoming characters
- 4x4 keypad interface with RS232 transmit of keypress
- Audible feedback (with external speaker) for BELL character and keypress
- Onboard 5V regulator
- Board available with pre-programmed PIC.

LCD Terminal (With Pre-Programmed PIC)

The LCD Terminal is an enhancement of the popular LCD Message Controller, see order code 654-632, with additional features some of which are shown above.

Order Code	1+	5+
LCD Terminal (With PIC)		
Single	942-315	3,759.00
		3,294.00

Graphic LCD Modules

Monochrome

VARITRONIX / BATRON / POWER TIP

100 x 32 Pixels, 160 x 32 Pixels, 128 x 64 Pixels, 192 x 64 Pixels, 240 x 64 Pixels, 240 x 128 Pixels, 320 x 240 Pixels



- STN / FSTN technologies with flat, space saving profiles
- Blue/black on yellow/green background, LED and CCFL backlighting available
- T6963/KS0108/SED1520 controllers to display text, graphics or both
- Versions with touchscreens
- Ultrathin models

Features	Flex Film Connector	Pixel Format	Module Size W x H x D	Display Area W x H	Pixel Size W x H	Order Code
●KS,FSTN	20 way	100 x 32	75 x 54 x 13.5	60 x 26.5	0.38 x 0.45	VAR 546-847
		128 x 64	55.2 x 39 x 6	45.2 x 27	0.39 x 0.55	PTIP 413-5052
		128 x 64	78 x 70 x 10	62 x 44	0.39 x 0.55	VAR 546-859
		128 x 64	78 x 70 x 13	62 x 44	0.39 x 0.55	VAR 118-3189
		128 x 128	96 x 106 x 12	73 x 86	0.5 x 0.5	VAR 301-3315
		128 x 128	96 x 106 x 14.5	73 x 86	0.5 x 0.5	VAR 301-3327
		192 x 64	100 x 60 x 13	84 x 31	0.36 x 0.36	VAR 546-872
		240 x 64	180 x 65 x 12	132 x 39	0.48 x 0.48	VAR 654-073
		240 x 64	180 x 65 x 14.5	132 x 39	0.48 x 0.48	VAR 118-3195
		240 x 128	144 x 104 x 12.5	114 x 64	0.40 x 0.40	VAR 654-103
●T/S,FSTN	16 way	240 x 320	92 x 71.7 x 9.3	59 x 76.78	0.22 x 0.22	PTIP 413-5106
●T/S,FSTN		240 x 320	148 x 120.2 x 20.3	92.14 x 120.1	0.33 x 0.33	PTIP 413-5118

- Displays with LED backlighting
- ◆ Supplied with film connectors and cables
- SED SED1520 controller
- T/S Touch Screen
- Displays with built-in T6963 controller
- ▲ Displays with CCFL Backlighting
- U/T Ultra Thin display

Mftrs. List No.	Order Code	1+	5+	10+	25+	50+
MGLS10032A-LV2-LED03.	546-847	3,974.00	3,669.00	3,660.00	--	--
MGLS10032A-LV2-LED03	118-3186	3,740.00	3,453.00	3,444.00	--	--
JXG12864LRF-NRA-B.	413-5052	3,502.00	3,064.00	2,450.00	2,043.00	--
MGLS12864T.	546-859	3,867.00	3,221.00	2,968.00	--	--
MGLS12864T.	118-3188	3,867.00	3,221.00	2,968.00	--	--
MGLS12864T-LV2-LED03	118-3189	4,381.00	3,678.00	3,362.00	--	--
MGLS128128T-STD2.	301-3315	5,953.00	5,741.00	5,382.00	5,286.00	--
MGLS128128T-STD2	118-3150	5,953.00	5,404.00	5,065.00	4,975.00	--
MGLS128128T-LV2-LED04.	301-3327	7,014.00	6,307.00	6,291.00	--	--
MGLS128128T-LV2-LED04	118-3152	7,014.00	5,936.00	5,921.00	--	--
MGLS19264-LED03.	546-872	6,743.00	6,222.00	6,209.00	--	--
MGLS19264-LED03	118-3190	6,346.00	5,856.00	5,843.00	--	--
MGLS2406G-STD2.	654-073	5,702.00	5,099.00	4,942.00	4,714.00	--
MGLS2406G-STD2	118-3194	5,702.00	5,099.00	4,651.00	4,437.00	--
MGLS24064-STD2-LED03	118-3195	6,507.00	5,005.00	4,993.00	--	--
MGLS240128T-STD2-LED3.	654-103	8,125.00	7,386.00	6,624.00	--	--
MGLS240128T-STD2-LED3	118-3196	8,125.00	7,386.00	6,234.00	--	--
JXG320240LRF-HNN-H-A1.	413-5106	7,358.00	7,036.00	6,524.00	6,103.00	--
JXG320240WRF-DE4-HY4	413-5118	17,680.00	15,912.00	14,465.00	13,005.00	--

Graphic LCD Modules

HQ Series



The HQ series of STN graphic LCD modules give an enhanced graphic image with high contrast and wide viewing angle. This is achieved by implementing a 15 micron gap between pixels to give a much denser image.

Available in reflective, transmissive and transmissive variants these modules offer an attractive display with low power requirements and ease of interface.

LED backlit versions include high intensity white or green LEDs.

Applications include:

- Instrumentation
- POS equipment
- Metering
- Consumer Electronics
- Graphical User Interfaces (GUI)
- Medical

Mftrs. List Nos:

BTHQ100032V-SRE WC
 BTHQ128064AVC-COG-SRE
 BTHQ128064AVD-COG-SRE
 BTHQ100032V-STF-LED YG WC
 BTHQ128064AVC-COG-STF-LED02 GREEN
 BTHQ128064AVD-COG-STF-LED02 GREEN
 BTHQ240064AVB-COG-YETF-LED02 GREEN
 BTHQ100032V-FSTF-LED WHITE WC

Order Code

944-9302
 944-9337
 944-9370
 944-9310
 944-9345
 944-9388
 944-9418
 944-9329