

Format	Module Size			Display Area		Character Size		Mfr.	Mfrs. List No.	Order Code
	W	H	D	W	H	W	H			
STN (+5V Supply only)										
16 1	122	33	14.4	99	13	4.84	9.22	VAR	MDLS16168-LV-LED04	301-3339
16 2	84	44	10	61	15.8	2.96	5.66	TRID	TRIMODS1538	142-633
16 2	90	44	14	61	15.8	2.96	4.86	HIT	LM093XMLN	491-652
16 2	85	36	9.3	63.5	15.8	3.15	5.75	VAR	MDLS162D65-LV-LED04	491-858
16 2	53	20	8	36	10	1.85	2.75	BAT	BT21603STYC-70C	481-683
16 2	122	44	14.4	99	23	4.84	9.22	VAR	MDLS16268-C-LED04	301-3340
16 4	87	60	13	61.8	25.2	2.95	4.75	VAR	MDLS16465-LV-LED04	142-645
20 2	115	40	10	83	18.6	3.25	5.63	TRID	TRIMODS1545	142-657
20 2	116	37	11	83	18.6	3.2	4.85	VAR	MDLS20265-LV-LED04	491-860
20 4	98	60	14.8	76	25.2	2.90	4.75	VAR	MDLS20464-LV-LED04	142-670
20 4	65	28.4	8	46	18.4	1.85	2.75	BAT	BT42003STYC-70C	481-695
24 2	118	36	10	93.5	15.8	3.2	4.5	VAR	MDLS24265-LV-LED04	491-871
40 2	192	36	14	154	15.3	3.2	4.85	TRID	TRIMODS1554B/LSTN	301-3455
40 2	182	33.5	11	154	15.8	3.15	4.85	VAR	MDLS40266-2V-LED04	491-883
40 4	196	56	15.7	154.4	27.6	3.14	5.5	VAR	MDLS40466-LV-LED04	142-682

NTN (+5V Supply only)
 20 4 98.8 60.2 11 76 25.5 2.95 4.75 DEN LM4434BG4C20SNY 232-154

■ = Modules supplied with film connectors and cables ◆ = Large character displays

Large Character Displays with Serial Input Transflective with LED Backlight

DENSITRON



Three large character displays for easy reading and use in terminal applications. Both the 2 20 and 4 40 formats have on-board RS232 serial ports allowing easy interconnection to any serial port. In addition a local keyboard of up to 240 keys can be attached directly to the display and fed back via the serial port to the host.

The LM7305B-WCY provides ultra high brightness output for the ultimate in viewability with a unique combination of bright image and large characters (no serial port included).

Format	Module Size	Display Area	Character Size	Mfrs. List No.	Order Code
2 20 ◆	180 40 18.3	142.8 20.64	6.0 9.66	SI4305BG2C20SNG	316-7653
2 20	180 40 23.9	142.8 20.64	6.0 9.66	LM7305B2C20SNY	316-7665
4 40 ◆	280 88 17.3	239.2 63.65	10.36 14.51	SI4790BG4C40SNG	316-7677

◆ = Displays with on-board serial driver

OPT671

Format	Order Code	Price Each				
		1+	5+	10+	25+	50+
STN (+5V Supply only)						
16 1	301-3339					
16 2	142-633					
16 2	491-652					
16 2	491-858					
16 2	481-683					
16 2	301-3340					
16 4	142-645					
20 2	142-657					
20 2	491-860					
20 4	142-670					
20 4	481-695					
24 2	491-871					
40 2	301-3455					
40 2	491-883					
40 4	142-682					
NTN (+5V Supply only)						
20 4	232-154					

Modules with Electroluminescent Backlighting VARITRONIX



Transflective intelligent LCD modules with integral green electroluminescent backlighting.

An inverter is required to generate the ac drive signal for the backlight, and operating from the unregulated +5V dc supply. Order Code 175-264 is suitable for all types.

Single line modules have 5 10 character fonts. Others have 5 7 character fonts.

Supply: Standard TN Single +5V dc, except Order Code 175-263, which requires +5V dc and -5V dc. 'Supertwist' +5V dc and -5V dc, or single +5V dc only.

Format	Module Size			Display Area		Character Size		Mfr.	Mfrs. List No.	Order Code
	W	H	D	W	H	W	H			
STN +5V Supply only										
24 2	118	36	10	93.5	15.8	3.2	4.5	VAR	MDLS24265-LV-EL	491-834
40 2	182	33.5	11	154	15.8	3.15	4.85	VAR	MDLS40266-LV-EL	491-846

dc to ac inverter	Input Current(max.)	Output Voltage	Mfr	Mfrs. List No.	Order Code
	60mA	82V rms	SAN	DAS5V3	175-264

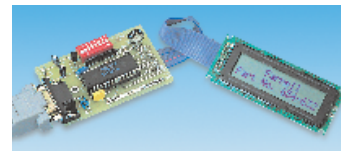
Format	Order Code	Price Each				
		1+	5+	10+	25+	50+
STN (+5V Supply only)						
24 2	491-834					
40 2	491-846					
Inverter (60mA)	175-264					
LCD App. Notes	182-392					

LCD Message Controllers

LCD Message Controller



Bluebird Electronics



H = 50, W = 82, D = 14
 (Display, Ribbon Cable and Connector are available separately.)

The LCD Message Controller is an interface between an RS232 input and an LCD display. It has been pre-assembled and tested. Commands sent via the RS232 interface are decoded into ASCII characters to be displayed and control codes for selecting line, position, clear display etc.

It is a ready made interface module to drive standard LCD modules from 8 1 to 20 4. The module is not designed to be used with the 4 40 displays.

May be used in conjunction with any standard LCD alphanumeric module using the Hitachi HD44780 controller.

LCDMC2

This is an enhancement of the popular LCD Message Controller. The additional features of the board are: Higher Baud rate selection in 1200, 2400, 4800 and 9600. Capability of handling 40 4 modules. Additional control codes and VFD drive capability.

LCD MC Developers Pack

This Developers Pack offers engineers the ability to customise the LCD Message Controller for specific applications. The pack contains source code and flowchart for LCD Message Controller, code examples in Assembler for various functions (RS232, display driving, etc.), Microchip Assembler and two populated (un-PICed) boards.

The LCD TERM-VT52 is a version of the LCD Terminal that has been created for applications still using VT52 emulation. The LCD and baud rate capability is the same as the standard LCD TERM (942-315) but has an alternative command set to interface with the outside world.

The command set covers most of the standard escape codes with the exception of graphics and identity.

OPT372

	Order Code	Price Each	
		1+	5+
LCD Message Controller			
Single	654-632		
LCD TERM-VT52	249-543		
		Price Per Pack	
		1+	5+
Bulk Pack of 10	882-884		
LCDMC2	139-890		
LCD MC Developers Pack	942-698		

continued