

Graphic LCD Modules - continued

SP10xx & SP14xx STN Monochrome Graphic Displays - continued
 240 x 160 (4"), 240 x 320 (3.8"), 320 x 240 (5.7") - Transmissive & Transflective, CFL & LED Backlight - continued

Mfrs. List No.	Order Code	1+	+	+
Starter Kits				
STARTSP10Q005-T	390-1889	2,342.00	--	--
STARTSP14Q002.	390-1907	2,531.00	--	--
Inverters				
INVC473	390-2006	1,445.00	--	--
INVC196 (5V)	390-2020	1,213.00	--	--
INVC132 (12V).	390-2031	1,948.00	--	--

Vacuum Fluorescent Displays

LCD Compatible 5 x 7 Dot Character Modules



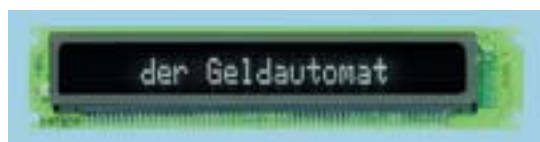
Parallel Interface with 5mm and 9mm character heights.
 These 5x7 dot matrix VF displays are designed to be interchangeable with most LCD modules without the need for a re-design. This allows the user to upgrade their equipment to give a high quality, bright visible display with a wide operating temperature.

- Selectable 4/8bit M68/i80 Interface
- ASCII + extended character fonts
- Single 5Vdc supply
- 4-level brightness control
- U series Operating Temp -20 to +70C
- Software power-down function
- W series Operating Temp -40 to +85C

Format	Character Height	Module Size H W D	Display Area H x W	Power Supply	Interface	Order Code
2 x 16	5	36 80 12	11.5x51	5V@230mA	Parallel	121-6659
2 x 16	9	44 122 20	82.7x19	5V dc@350mA	Parallel	121-6662
2 x 20	5	36 115 15	11.5x71	5V@130mA	Parallel	913-2775
2 x 20	9	43 146 19	18.8x103	5V dc@400mA	Parallel	913-2783
4 x 20	5	60 98 17	20.9x71	5V@300mA	Parallel	121-6668
2 x 40	5	33 182 17	11.5x139	5V@300mA	Parallel	913-2791

Mfrs. List No.	Order Code	1+	3+	10+	25+
CU16025ECPB-W6J	121-6659	3,228.00	2,502.00	--	--
CU16029ECPB-W1J	121-6662	4,284.00	3,570.00	3,320.00	--
CU20025ECPB-W1J.	913-2775	3,573.00	3,108.00	2,749.00	2,552.00
CU20029ECPB-W1J.	913-2783	5,258.00	4,573.00	4,046.00	3,756.00
CU20045SCP-B-W5J	121-6668	5,398.00	4,906.00	4,184.00	--
CU40025SCP-B-W6J.	913-2791	6,831.00	5,940.00	5,255.00	4,879.00

Standard 5 x 7 Dot Matrix Modules



Async Serial/Parallel Interface plus Bold Character Format
 The modules include micro-controller ICs with refresh RAM, Character Generator and Interface Logic. The High-Speed 8-bit parallel Interface is 5V CMOS compatible suitable for connection to a host CPU bus. The asynchronous serial Interface accepts baud rates up to 19200 with or without parity. Font tables may be either hardware or software selected.

- High Speed Parallel/Serial Int
- Operating Temperature -10 to +65C
- ASCII, Katakana & extended character fonts
- User definable fonts

Power and Serial data connection is through a 3-way connector, mating half supplied. Parallel data connections use standard IDC connectors, see table for details.

KS-Series Interface connector is 26-way IDC (208-826)
T-series Interface connector is 16-way IDC (208-802) except for 40x6 module which is 34-way (208-838)

Format	Character Height	Module Size H W D	Display Area H x W	Power Supply	Interface	Order Code
1 x 20	8.8	34 164 26.5	9x120	5V@360mA	P/S	121-6669
2 x 20	4.7	40 124 24.5	15x78	5V@280mA	P/S	121-6664
2 x 20	9.0	47 205 31.5	24x162	5V@700mA	P/S	481-646
4 x 20	5.0	64 150 25.5	26x90	5V@500mA	P/S	121-6667
2 x 40	5.1	43 240 26.5	16x188	5V@800mA	P/S	121-6672

Interface Code: P/S = Parallel or Serial, Bi/P = Bi-directional Parallel

Mfrs. List No.	Order Code	1+	3+	10+	25+
CU209SCP-B-T20A	121-6669	8,247.00	7,647.00	6,660.00	--
CU20025SCP-B-T20A	121-6664	8,238.00	6,981.00	6,385.00	--
CU20029SCP-B-T20A.	481-646	10,413.00	9,432.00	--	--
CU20045SCP-B-T31A	121-6667	15,037.94	13,077.20	11,568.87	10,741.23
CU40026-TW200A	121-6672	13,079.32	11,373.32	10,061.58	9,342.82
RS-232 Adapter	121-6693	754.00	747.00	740.00	539.00

Dot Graphic LCD Compatible Modules



Parallel/Serial Interface with 2 Character Font Sizes

This range of modules can display large and small ASCII characters using the commands found in existing character modules plus extended graphics control. The modules operate from a 5Vdc power supply, and are capable of operating from -40 to +85°C in humid applications.

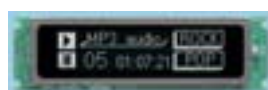
Graphics formats are 112 x 16, 140 x 16, 140 x 32 and 280 x 16.

Format	Character Height	Module Size H W D	Display Area H x W	Power Supply	Interface	Order Code
2 x 16	5	36 80 20	11.5x52.5	5V dc@260mA	Parallel	412-8783
2 x 20	5	37 116 20	69.9x11.5	5V dc@290mA	Parallel	412-8795
4 x 20	5	60 98 16	69.9x21.6	5V dc@450mA	Parallel	412-8801
2 x 40	5	33.5 182 8.6	137.05x11.0	5V dc@400mA	Parallel & Serial	913-2767

Mfrs. List No.	Order Code	1+	3+	10+	25+
GU112X16G-7806..	412-8783	3,345.00	2,788.00	2,754.00	--
GU140X16G-7806..	412-8795	3,461.00	2,885.00	2,850.00	--
GU140X32F-7806..	412-8801	4,635.00	3,862.00	3,816.00	--
GU280X16G-7806.	NEW 913-2767	7,038.00	6,121.00	5,415.00	5,028.00

Dot Graphic Modules - 0.5mm pixel

Asynchronous Serial Interface



These VF display modules use a patented transformerless power supply unit. The serial interface is fully duplex and accepts various baud rates up to 38400Bd. The modules have numerous customer options available including special fonts, application specific commands and key scanning.

- High brightness Dot Graphic Display
- Single 5V dc supply
- SPI & RS232 serial interface
- 3 ASCII fonts (5 x 5, 5 x 7 & 10 x 14)
- 8 user I/O pins

Format Characters x Lines	Module Size H W D	Display Area H W	Power Supply	Interface	Order Code
128 x 18	30 126 8.6	30 83.05	5.0V dc@300mA	SPI/RS232	913-2732
126 x 32	38 126 8.4	38 83.05	5.0V dc@400mA	SPI/RS232	913-2716
126 x 64	72 129 12.9	72 83.05	5.0V dc@750mA	SPI/RS232	913-2724

Mfrs. List No.	Order Code	1+	3+	10+	25+
GU128X18F-K612A4.	913-2732	6,030.00	5,244.00	4,639.00	4,308.00
GU126X32F-K612A4.	913-2716	6,604.00	5,744.00	5,081.00	4,718.00
GU126X64F-K612A4.	913-2724	8,329.00	7,243.00	6,408.00	5,950.00

Cold Cathode Fluorescent Tubes (CCFL)

Straight

2.6mm Diameter



A cold cathode fluorescent tube with a matching inverter. Among other things this small diameter tube is for the backlighting of LCD displays but it may be used for other applications as well.