

VISHAY / DALE LCD and Plasma Displays



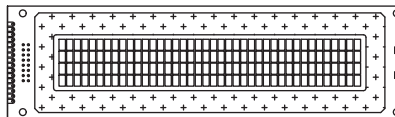
RoHS Compliant

VISHAY / DALE LCD CHARACTER DISPLAYS

Vishay LCD components offer distinct, cost effective solutions for common display interfaces. If your next design requires a monochrome character display module, look to Vishay brand products for a quality LC module.

Features:

- RoHS compliant
- Offering a wide range of Liquid Crystal modules from 8 x 2 to 40 x 4 format
- High contrast
- Wide temperature operation (-20 to +70°C)
- +5 volt operation with low current parameters
- Standard product offers Transflective polarizer, with 6:00 viewing



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Size	Type	Background	Backlight Color (LED)	Interface	Outline	Viewing	Voltage	Operating Temperature	Price Each		
											1	10	25
71-L8N2AYYHET	L008N002AYYHET0000	8 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	58.0x32.0	38.0x16.0	+5 V	-20 to +70°C	8.86	7.14	5.71
71-L012N2AYYHET	L012N002AYYHET0000	12 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	55.70x32.0	46.0x14.5	+5 V	-20 to +70°C	8.90	7.95	7.18
71-L016N1AYYHET	L016N001AYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	7.70	6.74	6.16
71-L016N1BYYHET	L016N001BYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x28.0	66.0x16.0	+5 V	-20 to +70°C	7.70	6.74	6.16
71-L016N1LYYHET	L016N001LYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	122.0x33.0	99.0x13.0	+5 V	-20 to +70°C	10.65	9.32	8.52
71-L016N2AYYHET	L016N002AYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	84.0x44.0	66.0x16.0	+5 V	-20 to +70°C	8.21	7.18	6.57
71-L016N2BYYHET	L016N002BYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	8.05	7.05	6.44
71-L016N2CYYHET	L016N002CYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x36.0	66.0x16.0	+5 V	-20 to +70°C	8.46	7.52	6.81
71-L016N2DYYHET	L016N002DYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x30.0	66.0x16.0	+5 V	-20 to +70°C	9.23	8.20	7.38
71-L016N2JYYHET	L016N002JYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	8.05	7.04	6.44
71-L016N2LYYHET	L016N002LYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	122.0x44.0	99.0x24.0	+5 V	-20 to +70°C	13.74	12.03	10.99
71-L016N2MYHET	L016N002MYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x32.60	66.0x16.0	+5 V	-20 to +70°C	8.36	7.52	6.84
71-L016N2OYYHET	L016N002OYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x25.20	66.0x16.0	+5 V	-20 to +70°C	8.05	7.05	6.44
71-L016N2PYHET	L016N002PYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x25.20	66.0x16.0	+5 V	-20 to +70°C	12.69	10.22	8.18
71-L016N4AYYHET	L016N004AYYHET0000	16 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	70.60x60.0	60.0x32.60	+5 V	-20 to +70°C	13.77	12.05	11.01
71-L020N1BYYHET	L020N001BYYHET0000	20 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	180.0x40.0	149.0x23.0	+5 V	-20 to +70°C	20.98	18.35	16.78
71-L020N2AYYHET	L020N002AYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	116.0x37.0	85.0x18.60	+5 V	-20 to +70°C	11.09	9.94	9.38
71-L020N2DYYHET	L020N002DYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	89.0x21.5	75.0x15.0	+5 V	-20 to +70°C	11.24	9.83	8.99
71-L020N2LYYHET	L020N002LYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	180.0x40.0	149.0x23.0	+5 V	-20 to +70°C	20.97	18.35	16.77
71-L020N2MYHET	L020N002MYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	146.0x43.0	123.0x23.0	+5 V	-20 to +70°C	17.63	15.43	14.10
71-L020N4AYYHET	L020N004AYYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	98.0x60.60	77.0x25.20	+5 V	-20 to +70°C	16.91	14.36	13.59
71-L020N4BYHET	L020N004BYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	98.0x60.60	77.0x25.20	+5 V	-20 to +70°C	16.60	14.53	13.28
71-L020N4DYYHET	L020N004DYYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	77.0x47.0	60.0x22.0	+5 V	-20 to +70°C	24.91	20.06	16.05
71-L020N4LYHET	L020N004LYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	146.0x62.5	123.5x43.0	+5 V	-20 to +70°C	34.91	30.55	27.93
71-L024N2AYYHET	L024N002AYYHET0000	24 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	118.0x36.0	94.5x18.0	+5 V	-20 to +70°C	14.98	13.11	11.99
71-L040N2AYYHET	L040N002AYYHET0000	40 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	182.0x33.5	154.40x16.5	+5 V	-20 to +70°C	21.12	18.48	16.89
71-L040N4AYYHET	L040N004AYYHET0000	40 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	190.0x54.0	147.0x29.5	+5 V	-20 to +70°C	50.62	40.78	32.62

VISHAY / DALE LED GRAPHIC DISPLAYS

These are an LED replacement for the popular APD-128G032 plasma display module. It is designed to offer high brightness and superior viewing characteristics in a slim package. This display is ideal for low to medium level information content and is ideal for applications such as arcade games, process control, POS terminals, medical equipment, message centers and ATM machines.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pixel Matrix	Display Color	Viewing Area (W x L) (mm)	Character Size (W x H)	Voltage (VDC)	Luminance (Foot-Lamberts)	Pixel Size (W x H) (mm)	Price Each			
									1	5	10	50
71-LEE-128G032-1	LEE128G0320001E90	128 x 32	Bright Red	323.8 x 80.01	11.43 x 16.51	+5	100	0.8 x 1.6	378.40	354.75	342.93	331.10
71-LEE-128G032B	LEE128G032B000E90	128 x 32	Neon Orange	323.8 x 80.01	11.43 x 16.51	+5	100	0.8 x 1.6	267.20	250.50	242.15	233.80

PLASMA DISPLAY MODULES

Vishay Dale's patented "open" construction method provides superior viewing angles that are unsurpassed by any display technology. Vishay Dale displays are designed to exploit the inherent high brightness capability of DC Plasma displays to make them excellent choices for practically any application. The nature of the plasma glow make the display characters or graphics appear much larger than they actually are. State-of-the-art design using the latest SMT components and DC/DC converters result in modules that provide minimum front panel space and depth.

Features:

- TTL level video interface
- On board converter
- Viewing angle of 150° minimum
- Ideal for low to medium level information content messages: arcade games POS terminals, medical equipment, and ATM machines

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pixel Matrix	Display Color	Viewing Area (mm)	Character Size (W x H)	Voltage (VDC)	Luminance	Pixel Size (mm)	Price Each			
									1	5	10	50
71-APD-128G032A	APD-128G032A	128 X 32	Orange	323.8 W x 80.01 L	11.43 x 16.51	+12 to +24	50	1.27	390.00	351.00	331.50	312.00
71-APD-192G064-1	APD-192G064-1	192 X 64	Orange	389.38 W x 129.29 H	12.19 x 16.26	+12 to +24	50	1.27	441.00	396.90	374.85	352.80
71-APD-256G064-1	APD-256G064-1	256 X 64	Orange	323.85 W x 107.70 H	5.72 x 11.15	+12 to +24	50	0.635 x 1.016	469.16	418.90	397.59	372.35

VIDEO CONTROLLERS

The plasma graphic display controllers can drive a variety of popular plasma displays having a common 14 pin video interface. The controller can clock displays with 128 x 32, 128 x 64, 192 x 64, 256 x 64, and 320 x 64 pixel formats. Three fonts are available: 4 x 5, 5 x 7, and 10 x 14. Custom non-standard characters and images may be loaded.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Voltage (VDC)	Current	Operating Temperature	Interface	Price Each			
						1	5	10	50
71-PDS-500	PDS-500	+5	100mA max	-20 to +70°C	8-bit parallel or RS-232 serial interface	308.00	277.20	261.80	246.40
71-PDS-500-1	PDS-500-1	+8 to +24	100mA max	-20 to +70°C	8-bit parallel or RS-232 serial interface	308.00	277.20	261.80	246.40

PLASMA PANEL DISPLAYS

The plasma panel displays are a direct replacement for various arcade game and pinball applications.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Description	Price Each			
			1	5	10	50
71-PD-04D070-1	PD-04D070-1	4 Digit, 7 segment numeric display, 0.7" character height	51.70	46.53	43.95	41.36
71-PD-06D070-2	PD-06D070-2	6 Digit, 7 segment numeric display, 0.7" character height	54.12	48.71	46.00	43.30
71-PD-07A070-1	PD-07A070-1	7 Digit, 14 segment alphanumeric display, 0.7" character height	61.06	54.95	51.90	48.85
71-PD-07D070-1	PD-07D070-1	7 Digit, 7 segment numeric display, 0.7" character height	54.90	49.41	46.67	43.92
71-PD-16A070-4	PD-16A070-4	16 Digit, 7 segment alphanumeric display, 0.7" character height	77.78	70.00	66.11	62.22

Replacement Glass

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Description	Price Each			
			1	5	10	50
71-PD-128G016-1	PD-128G016-1	128 X 16 Cherry replacement glass / only with F-pins	174.00	156.60	147.90	139.20
71-PD-128G032-2	PD-128G032-2	128 X 32 Cherry replacement glass / only with F-pins	140.00	126.00	119.00	112.00
71-PD-128G032-3	PD-128G032-3	128 X 32 Vishay replacement glass / only with F-pins	144.20	129.78	122.57	115.36

