

VISHAY / DALE LCD and Plasma Displays



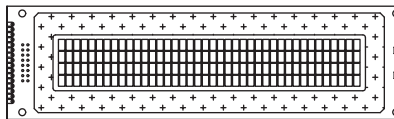
LCD Displays

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.



RoHS Compliant

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 | 10.73 | 9.39 | 8.58 |
| 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 | 15.82 | 13.84 | 12.65 |
| 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 | 14.54 | 12.73 | 11.64 |
| 71-L016N1BYHET | L016N001BYHET0000 | 16 x 1 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 85.0x28.0 | 66.0x16.0 | +5 V | -20 to +70° C | 14.54 | 12.73 | 11.64 |
| 71-L016N1LYHET | L016N001LYHET0000 | 16 x 1 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 122.0x33.0 | 99.0x13.0 | +5 V | -20 to +70° C | 21.46 | 18.77 | 17.16 |
| 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 | 16.42 | 14.36 | 13.13 |
| 71-L016N2BYHET | L016N002BYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 80.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 15.62 | 13.67 | 12.50 |
| 71-L016N2CYHET | L016N002CYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 85.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 16.01 | 14.01 | 12.81 |
| 71-L016N2DYHET | L016N002DYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 85.0x30.0 | 66.0x16.0 | +5 V | -20 to +70° C | 15.62 | 13.67 | 12.50 |
| 71-L016N2JYHET | L016N002JYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 80.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 16.01 | 14.01 | 12.81 |
| 71-L016N2LYHET | L016N002LYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 122.0x44.0 | 99.0x24.0 | +5 V | -20 to +70° C | 28.49 | 24.93 | 22.79 |
| 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 | 16.01 | 14.01 | 12.81 |
| 71-L016N1AYHET | L016N001AYHET0000 | 16 x 1 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 80.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 14.54 | 12.73 | 11.64 |
| 71-L016N1BYHET | L016N001BYHET0000 | 16 x 1 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 85.0x28.0 | 66.0x16.0 | +5 V | -20 to +70° C | 14.54 | 12.73 | 11.64 |
| 71-L016N1LYHET | L016N001LYHET0000 | 16 x 1 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 122.0x33.0 | 99.0x13.0 | +5 V | -20 to +70° C | 21.46 | 18.77 | 17.16 |
| 71-L016N2AYHET | L016N002AYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 84.0x44.0 | 66.0x16.0 | +5 V | -20 to +70° C | 16.42 | 14.36 | 13.13 |
| 71-L016N2BYHET | L016N002BYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 80.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 15.62 | 13.67 | 12.50 |
| 71-L016N2CYHET | L016N002CYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 85.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 16.01 | 14.01 | 12.81 |
| 71-L016N2DYHET | L016N002DYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 85.0x30.0 | 66.0x16.0 | +5 V | -20 to +70° C | 15.62 | 13.67 | 12.50 |
| 71-L016N2JYHET | L016N002JYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 80.0x36.0 | 66.0x16.0 | +5 V | -20 to +70° C | 16.01 | 14.01 | 12.81 |
| 71-L016N2LYHET | L016N002LYHET0000 | 16 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 122.0x44.0 | 99.0x24.0 | +5 V | -20 to +70° C | 28.49 | 24.93 | 22.79 |
| 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 | 16.01 | 14.01 | 12.81 |
| 71-L016N4AYHET | L016N004AYHET0000 | 16 x 4 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 70.60x60.0 | 60.0x32.60 | +5 V | -20 to +70° C | 28.06 | 24.55 | 22.44 |
| 71-L020N1AYHET | L020N001AYHET0000 | 20 x 1 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 180.0x40.0 | 149.0x23.0 | +5 V | -20 to +70° C | 26.26 | 22.97 | 21.00 |
| 71-L020N2AYHET | L020N002AYHET0000 | 20 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 116.0x37.0 | 85.0x18.0 | +5 V | -20 to +70° C | 26.26 | 22.97 | 21.00 |
| 71-L020N2DYHET | L020N002DYHET0000 | 20 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 89.0x21.5 | 75.0x5.150 | +5 V | -20 to +70° C | 45.86 | 40.13 | 36.69 |
| 71-L020N2LYHET | L020N002LYHET0000 | 20 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 180.0x40.0 | 149.0x23.0 | +5 V | -20 to +70° C | 45.86 | 40.13 | 36.69 |
| 71-L020N2MYHET | L020N002MYHET0000 | 20 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 146.0x43.0 | 129.0x23.0 | +5 V | -20 to +70° C | 41.50 | 36.31 | 33.20 |
| 71-L020N4AYHET | L020N004AYHET0000 | 20 x 4 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 98.0x60.60 | 77.0x25.20 | +5 V | -20 to +70° C | 34.06 | 29.80 | 27.24 |
| 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 | 34.06 | 29.80 | 27.24 |
| 71-L020N4DYHET | L020N004DYHET0000 | 20 x 4 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 77.0x47.0 | 60.0x22.0 | +5 V | -20 to +70° C | 27.50 | 24.07 | 22.00 |
| 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 | 67.70 | 59.24 | 54.16 |
| 71-L024N2AYHET | L024N002AYHET0000 | 24 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 118.0x36.0 | 94.5x16.0 | +5 V | -20 to +70° C | 28.94 | 25.33 | 23.16 |
| 71-L040N2AYHET | L040N002AYHET0000 | 40 x 2 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 182.0x33.5 | 154.40x16.5 | +5 V | -20 to +70° C | 39.84 | 34.86 | 31.87 |
| 71-L040N4AYHET | L040N004AYHET0000 | 40 x 4 | LCD | Yellow / Green | Yellow / Green | 8-Bit Micro | 190.0x54.0 | 147.0x29.5 | +5 V | -20 to +70° C | 67.46 | 59.03 | 53.97 |

Vishay

NEW AT MOUSER

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 | 10 | 25 | 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 | 298.50 | 268.65 | 253.73 | 238.80 |
| 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 | 396.50 | 356.85 | 337.03 | 317.20 |

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 | 10 | 25 | 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 | 10 | 25 | 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 | 10 | 25 | 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 | 140.00 | 126.00 | 119.00 | 112.00 |

