



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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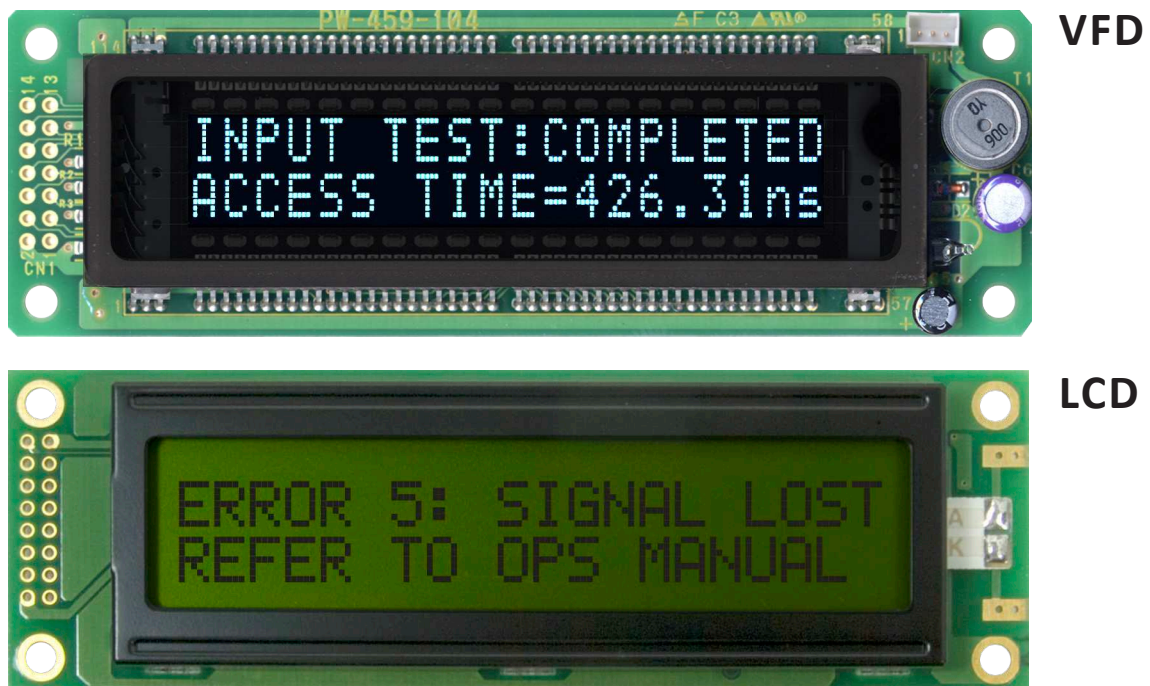
U VERSION

<http://www.noritake-elec.com/uversion.htm>



ISO 9001 and ISO 14000 Certified

Drop-in Replacement for LCD Modules



U Version is LCD compatible Vacuum Fluorescent Display (VFD) module and available in 16×2, 20×2, 20×4, 24×2, 40×2, and 40×4 character format. Compared to LCD, U Version VFD module is a bright and vibrant emissive display which makes it easier to read from short and long distance. U version can also withstand the most demanding environmental conditions.

The U version products will essentially “drop-in” to many of today’s character module application with no mechanical or wiring change.

VALUE ADDED SERVICES

Value-Added-Services is available per your request. We can install a pin-header, change the jumper setting and provide a cable on each model. Color filter option available now. Please consult us for detail.

FEATURES

- LCD Compatible interface (M68 and i80), 4bit or 8bit parallel
- LCD compatible footprint
- Emulate command-set of HD44780 LCD controller
- Wide viewing angle
- Wide operating temperature range (-40 °C to +85° C)
- 5V single power supply
- 4 levels of brightness control by command
- Power Save Mode is available at display-off
- Custom font (up to 8 user definable fonts)
- High brightness
- Serial Interface is available now
- The following feature is available for specific item
- Brightnes boost (200%) capability
- 3.3V power supply

16x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU16025-UW30J	5	51.4 x 11.4	80.0 x 36.0	35	3.3 V / 200 mA	3.3 V power of CU16025-UW6J
CU16025-UW6J	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 150 mA	-
New CU16025-UW6A	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 150 mA	International Font model of CU16025-UW6J
CU16025-UX6J	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 180 mA	Brightness Boost model of CU16025-UW6J
New CU16025-UX6A	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 180 mA	International Font model of CU16025-UX6J
CU16025-UW2J	5	51.4 x 11.4	84.0 x 44.0	36	5 V / 150 mA	-
New CU16029-UW1J	9	82.7 x 19.0	122.0 x 44.0	61	5 V / 340 mA	Replacement for CU16029ECPB-W1J
CU16029ECPB-W1J	9	82.7 x 19.0	122.0 x 44.0	61	5 V / 350 mA	Will be discontinued

20x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
New CU20025-UX1J	5	70.8 x 11.5	116.0 x 37.0	47	5 V / 210 mA	Brightness Boost model of CU20025-UW1J
New CU20025-UW1J	5	70.8 x 11.5	116.0 x 37.0	47	5 V / 150 mA	-
CU20025ECPB-W1J	5	70.8 x 11.5	116.0 x 37.0	47	5 V / 130 mA	-
New CU20029-UW1J	9	102.6 x 18.8	146.0 x 43.0	70	5 V / 340 mA	Replacement for CU20029ECPB-W1J
CU20029ECPB-W1J	9	102.6 x 18.8	146.0 x 43.0	70	5 V / 400 mA	Will be discontinued

20x4 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU20045-UW4J	5	70.8 x 20.9	98.0 x 60.0	67	5 V / 250 mA	Font table is compatible with HD66712
CU20045-UW5J	5	70.8 x 20.9	98.0 x 60.0	67	5 V / 250 mA	-
CU20045-UW5A	5	70.8 x 20.9	98.0 x 60.0	67	5 V / 250 mA	International Font model of CU20045-UW5J
CU20045-UW7J	5	73.6 x 30.97	100.0 x 61.0	95	5 V / 300 mA	-
CU20049-UW2J	9	99.6 x 37.6	146.0 x 62.5	155	5 V / 650 mA	-
CU20049-UW2A	9	99.6 x 37.6	146.0 x 62.5	155	5 V / 650 mA	International Font model of CU20049-W2J

24x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
New CU24025-UW1J	5	85.2 x 11.5	125.0 x 36.0	47	5 V / 165 mA	Replacement for CU24025-ECPB-W1J
CU24025ECPB-W1J	5	85.2 x 11.5	125.0 x 36.0	50	5 V / 155 mA	Will be discontinued

40x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU40025-UW6J	5	138.8 x 11.5	182.0 x 33.5	76	5 V / 300 mA	-
CU40025-UW6A	5	138.8 x 11.5	182.0 x 33.5	76	5 V / 300 mA	International Font model of CU40025-UW6J

40x4 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU40045-UW1J	5	137.4 x 23.2	190.0 x 54.0	140	5 V / 520 mA	-

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