

# Noritake

## U-Version Series Modules

DROP-IN REPLACEMENTS FOR LCD MODULES

The new family of U-Version modules is compact, low power and lower in cost with a custom designed chip. This new VFD technology has an 8 and 4 bit parallel interface and enables the replacement of LCD's with Noritake U-Version VFD modules.











### FEATURES

- Same mounting hole location as LCD
- LCD compatible interface
- Widest operating temperature range
- 5V single power supply
- Lower power consumption
- Power saving mode at display off
- Widest viewing angles
- Highest brightness
- 4 levels of brightness control













### COMMON SPECIFICATIONS

- 8 or 4 bit parallel input
- 5V single power supply
- Operating temperature: -40°C to +85°C
- 8 user definable fonts
- Character height = 5mm & 9mm



### 16 Characters Wide

Part Number	Picture Available	Row x Character	Character Format	Character Size (mm)	Display Area (mm)	Outer Dimension(mm)	Typical Volt/Current	Weight (g)	Replacement For	Notes
<a href="#">CU16025ECPB-W6J</a>		2 x 16		2.5 x 4.8	51.4 x 11.4	80.0 x 36.0	5V/150mA	35	CU16025ECPB-U5J CU16025ECPB-W1J	—
<a href="#">CU16025ECPB-W30J</a>		2 x 16		2.5 x 4.8	51.4 x 11.4	80.0 x 36.0	3.3V/360mA	35	CU16025ECPB-U5J CU16025ECPB-W1J	Version of W6J with 3.3V Input
<a href="#">CU16025ECPB-W2J</a>		2 x 16		2.5 x 4.8	51.4 x 11.4	84.0 x 44.0	5V/150mA	38	—	Commonly used 2x16 64x44mm LCD Replacement
<a href="#">CU16029ECPB-W1J</a>		2 x 16		3.9 x 8.0	82.7 x 19.0	122.0 x 44.0	5V/350mA	69	—	—







### 20 Characters Wide

Part Number	Picture Available	Row x Character	Character Format	Character Size (mm)	Display Area (mm)	Outer Dimension(mm)	Typical Volt/Current	Weight (g)	Replacement For	Notes
<a href="#">CU20025ECPB-W1J</a>		2 x 20		2.4 x 4.7	70.8 x 11.5	116.0 x 37.0	5V/130mA	45	—	<a href="#">Application Note</a>
<a href="#">CU20029ECPB-W1J</a>		2 x 20		3.8 x 8.0	102.6 x 18.8	146.0 x 43.0	5V/400mA	80	—	—
<b>NEW</b> <a href="#">CU20045-UW4J</a>		4 x 20		2.4 x 4.7	70.8 x 20.8	98.0 x 60.0	5V/250mA	70	CU20045SCP-B-W4J	<a href="#">DD Ram Address Ranges</a>
<a href="#">CU20045-UW5J</a>		4 x 20		2.4 x 4.7	70.8 x 20.8	98.0 x 60.0	5V/250mA	70	CU20045SCP-B-W5J	<a href="#">DD Ram Address Ranges</a>
<b>NEW</b> <a href="#">CU20049-UW2A</a>		4 x 20		3.7 x 8.8	99.6 x 37.6	146.0 x 62.5	5V/550mA	160	CU20049SCP-B-W2A	<a href="#">European Font</a>
<a href="#">CU20049-UW2J</a>		4 x 20		3.7 x 8.8	99.6 x 37.6	146.0 x 62.5	5V/550mA	160	CU20049SCP-B-W2J	—

### 24 Characters Wide

Part Number	Picture Available	Row x Character	Character Format	Character Size (mm)	Display Area (mm)	Outer Dimension(mm)	Typical Volt/Current	Weight (g)	Replacement For	Notes
<a href="#">CU24025ECPB-W1J</a>		2 x 24		2.4 x 4.7	65.2 x 11.5	125.0 x 36.0	5V/155mA	50	—	—

### 40 Characters Wide

Part Number	Picture Available	Row x Character	Character Format	Character Size (mm)	Display Area (mm)	Outer Dimension(mm)	Typical Volt/Current	Weight (g)	Replacement For	Notes
<b>NEW</b> <a href="#">CU40025-UW6A</a>		2 x 40		2.3 x 4.7	138.8 x 11.5	182.0 x 33.5	5V/300mA	80	—	<a href="#">European Font</a>
<a href="#">CU40025-UW6J</a>		2 x 40		2.3 x 4.7	138.8 x 11.5	182.0 x 33.5	5V/300mA	80	CU40025SCP-B-W6J	—
<a href="#">CU40045-UW1J</a>		4 x 40		2.1 x 4.9	137.4 x 23.2	190.0 x 54.0	5V/520mA	140	CU40045SCP-B-W1J	—