

A range of high quality, alphanumeric, dot matrix LCD modules offering a wide choice of popular character formats in either reflective or transfective display mode. The use of super twist nematic (STN) LCD technology significantly improves contrast and viewing angle for superior visibility. A standard on-board chip-set (COB) ensures industry compatibility and will interface with 4 or 8 bit microprocessors. PCB connections are via through plated holes on a 2.54mm pitch. All modules have black, 5 x 7 dot characters on a yellow-green background and a bottom (6 o'clock) viewing angle bias. Bezels have a plated finish.



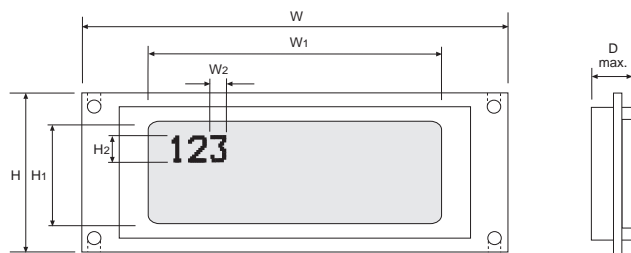
- ◆ Dot matrix, alphanumeric displays
- ◆ Super twist nematic (STN) LCD technology
- ◆ Wide choice of popular formats
- ◆ Black characters on yellow-green background
- ◆ Reflective or transfective
- ◆ Industry compatible chip-set



Specification

Supply voltage 5Vdc
 Supply current 1.6 to 3mA typ.
 Duty cycle 1/16
 Operating temperature range 0°C to +50°C

Dimensions (mm)



REFLECTIVE : Using ambient light for display visibility, they are ideal for energy saving applications.

Format Char. x Lines	Module Size (mm) W x H x D	Viewing Area (mm) W ₁ x H ₁	Character Size (mm) W ₂ x H ₂	Manf. Part No & Anglia Order Code
16 x 1	80 x 36 x 11.2	64.5 x 13.8	3.07 x 6.56	UMS-3001-AN-YG
16 x 2	85 x 30 x 8.6	62 x 16	2.78 x 4.89	UMS-3002-AN-YG
16 x 2	85 x 32.6 x 9.5	61.7 x 15.8	2.95 x 5.55	UMS-3003-AN-YG
16 x 2	80 x 36 x 9.7	66 x 16	2.96 x 5.56	UMS-3070-AN-YG
16 x 2	85 x 36 x 9.7	66 x 16	2.96 x 5.56	UMS-3067-AN-YG
16 x 2	84 x 44 x 9.4	66 x 17	2.95 x 5.55	UMS-3066-AN-YG
16 x 2	122 x 44 x 9.3	99 x 24	4.48 x 9.66	UMS-3069-AN-YG
16 x 4	87 x 60 x 9.1	61.8 x 25.2	2.95 x 4.75	UMS-3008-AN-YG
20 x 2	116 x 37 x 9	82 x 18.6	3.2 x 5.55	UMS-3004-AN-YG
20 x 4	98 x 60 x 9	76 x 25.2	2.95 x 4.75	UMS-3009-AN-YG
24 x 2	118 x 36 x 9.5	94.5 x 17.8	3.2 x 5.55	UMS-3005-AN-YG
40 x 2	182 x 33.5 x 9	155.1 x 16	3.2 x 5.55	UMS-3010-AN-YG
40 x 4	190 x 54 x 9.3	147 x 29.5	2.78 x 4.89	UMS-3071-AN-YG

TRANSFLECTIVE : As reflective but with an integral yellow-green LED backlight to enable use under poor ambient light conditions.

Format Char. x Lines	Module Size (mm) W x H x D	Viewing Area (mm) W ₁ x H ₁	Character Size (mm) W ₂ x H ₂	Manf. Part No & Anglia Order Code
16 x 1	80 x 36 x 13.7	64.5 x 13.8	3.07 x 6.56	UMS-3001-JD-YG
16 x 2	85 x 30 x 14	62 x 16	2.78 x 4.89	UMS-3002-JD-YG
16 x 2	85 x 32.6 x 9.5	61.7 x 15.8	2.95 x 5.55	UMS-3003-JD-YG
16 x 2	80 x 36 x 13.2	66 x 16	2.96 x 5.56	UMS-3070-JD-YG
16 x 2	85 x 36 x 13.2	66 x 16	2.96 x 5.56	UMS-3067-JD-YG
16 x 2	84 x 44 x 13.2	66 x 17	2.95 x 5.55	UMS-3066-JD-YG
16 x 2	122 x 44 x 13.6	99 x 24	4.48 x 9.66	UMS-3069-JD-YG
16 x 4	87 x 60 x 14.1	61.8 x 25.2	2.95 x 4.75	UMS-3008-JD-YG
20 x 2	116 x 37 x 14	82 x 18.6	3.2 x 5.55	UMS-3004-JD-YG
20 x 4	98 x 60 x 13.5	76 x 25.2	2.95 x 4.75	UMS-3009-JD-YG
24 x 2	118 x 36 x 14	94.5 x 17.8	3.2 x 5.55	UMS-3005-JD-YG
40 x 2	182 x 33.5 x 14	155.1 x 16	3.2 x 5.55	UMS-3010-JD-YG

FACTORY OPTIONS

- Fitted pin & box headers and other terminations •
 - High temperature versions • COG modules •
- Available to special order*