

Character LCD module feature:

5V or 3.3V single power input. Built-in DC / DC converter
While using 3.3V power input.
.Stn yellow green type LCD
.Normal temperature type

Graphic LCD module feature:

Besides +5V for logic circuit, -5V is needed for LCD driving
(optional DC / DC converter)
.Stn gray type LCD
.Normal temperature type

A: None backlight (reflective type / 6:00 view)
B: 5V yellow green LED backlight (transflective type / 6:00 view)
C: 5V blue LED backlight (transflective type / 6:00 view)
D: 5V white LED backlight (transflective type / 6:00 view)

Item No.	R78902~R78922	R78931	R78934	R78940
Controller	KS0066U	SED1520	KS0108B	T6963C
Pin No.	Interface	Interface	Interface	Interface
1	Vss	Vss	Vss	FGND
2	Vdd	Vdd	Vdd	Vss
3	Vo	Vo	Vo	Vdd
4	Rs	Ao	RS	Vo
5	R/W	CS1	R/W	/WR
6	E	CS2	E	/RD
7	DB0	CL	DB0	/CE
8	DB1	/RD	DB1	C/D
9	DB2	/WR	DB2	RV
10	DB3	DB0	DB3	/ RESET
11	DB4	DB1	DB4	DB0
12	DB5	DB2	DB5	DB1
13	DB6	DB3	DB6	DB2
14	DB7	DB4	DB7	DB3
15	LEDA	DB5	CS1	DB4
16	LEDK	DB6	CS2	DB5
17		DB7	/RES	DB6
18		RES	Vee	DB7
19		LEDA	LEDA	FS
20		LEDK	LEDK	Vee

R78902A /B

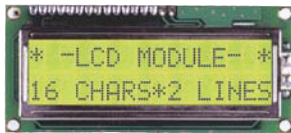
Character LCD module 16 chars x 1 line 1/16 duty
A : 80 x 36 x 10mm B : 80 x 36 x 14.5mm
View area : 65 x 14mm (character : 3.07 x 6.56mm)

**R78920A /B**

Character LCD module 24 chars x 2 lines 1/16 duty
A : 118 x 36 x 9.5 B : 118 x 36 x 14.7mm
View area : 94.5 x 18mm (character : 3.2 x 5.55mm)

**R78908A /B**

Character LCD module 16 chars x 2 lines 1/16 duty
A : 80 x 36 x 10mm B : 80 x 36 x 14.5mm
View area : 64 x 17.2mm (character : 2.95 x 5.55mm)

**R78922A /B**

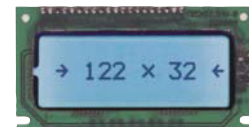
Character LCD module 40 chars x 2 lines 1/16 duty
A : 182 x 33.5 x 10.5mm B : 182 x 33.5 x 14mm
View area : 154 x 16.5mm (character : 3.2 x 5.55mm)

**R78915A /B**

Character LCD module 16 chars x 4 lines 1/16 duty
A : 87 x 60 x 11mm B : 87 x 60 x 14mm
View area : 61.4 x 25mm
(character : 2.95 x 4.75mm)

**R78931A /C /D**

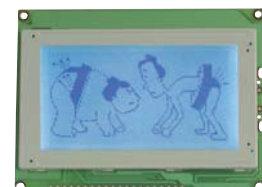
Graphic LCD module 122 x 32 dots 1/32 duty
A : 84 x 44 x 10.5mm C/D : 84 x 44 x 15.5mm
View area : 60.5 x 18.5mm
Dot size : 0.4 x 0.45mm

**R78916A /B**

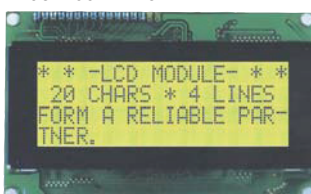
Character LCD module 20 chars x 2 lines 1/16 duty
A : 116 x 37 x 10mm B : 116 x 37 x 14.5mm
View area : 83 x 18.5mm (character : 3.2 x 5.55mm)

**R78934A /C /D**

Graphic LCD module 128 x 64 dots 1/64 duty
A : 93 x 70 x 9.5mm C/D : 93 x 70 x 14.5mm
View area : 71.7 x 39mm
Dot size : 0.48 x 0.48mm

**R78918A /B**

Character LCD module 20 chars x 4 lines 1/16 duty
A : 98 x 60 x 10.5mm B : 98 x 60 x 14.5mm
View area : 76 x 25.2mm
(character : 2.95 x 4.75mm)

**R78940A /C /D**

Graphic LCD module 240 x 64 dots 1/64 duty
A : 180 x 65 x 15.5mm C/D : 180 x 65 x 15.5mm
View area : 132 x 39mm
Dot size : 0.49 x 0.49mm

