



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VDD	+3.3V	Power supply for logic
2	VSS	0V	GND
3	/CS	L	Chip select, active "L"
4	CD	H/L	H:Date L:Instruvtion code
5	/RD	L	Read signal
6	/WR	L	Write signal
7	/RST	L	Reset signal,active "L"
8 ~ 15	DB0 ~ DB7	H/L	Data bus
16	A	+3.3V	LED+
17	NC	-	No connection
18	K	0V	LED-

NOTES:

- Built-in controller(UC1698U)
- Parallel(8080-Serials) interface
- FSTN,COG

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	131.5X91.5X11.2	mm
Viewing Area (W x H)	115.0 X64.5	mm
Dot Pitch (W x H)	0.45X0.45	mm
Dot Size (W x H)	0.40X0.40	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	$V_{DD}-V_{SS}$	0	4.0	V
Supply Voltage(LCD)	V_{LCD}	0	19.8	V
Operating Temp	$T_{OPR.}$	-20	70	°C
Storage Temp	$T_{STG.}$	-30	80	°C

ELECTRICAL CHARACTERISTICS($V_{DD}=3.3V, T_a=25^{\circ}C$)

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.8 VDD	-	-	V
Input Low Voltage	V_{IL}	-	-	0.2 VDD	V
Output High Voltage	V_{OH}	0.8 VDD	-	-	V
Output Low Voltage	V_{OL}	-	-	0.2 VDD	V
Supply Current	I_{DD}	-	TBD	-	mA

LED BACKLIGHT SPECIFICATION ($T_a=25^{\circ}C$)

Item	Forward Voltage	Forward Current
WHITE	3.1V	If=90 mA