



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{SS}	0V	GND
2	V _{DD}	5.0V	Logic Power supply
3	V ₀	-	Driving voltage for LCD
4	/WR	L	Write signal
5	/RD	L	Read signal
6	/CS	L	Chip enable signal
7	A0	H/L	“L” Data “H” Instruction code
8	/REST	L	Reset signal ,active “L”
9 16	DB0 DB7	H/L	Data bus line
17	NC	-	No connection
18	VEE	-	Negative voltage output
19	LEDA	5.0V	Power supply for LED
20	LEDK	0V	

NOTES:

- Built-in RA8835 controller
- COG

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	139X105.5X13.0	mm
Viewing Area (W x H)	103.0 X79.0	mm
Dot Pitch (W x H)	0.30X0.30	mm
Dot Size (W x H)	0.27X0.27	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	6.5	V
Supply Voltage (LCD)	V ₀	-0.3	25	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temp.	T _{OPR}	-20	70	°C
Storage Temp.	T _{STG}	-30	80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25°C)

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.5V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	V _{SS}	-	0.2V _{DD}	V
Output High Voltage	V _{OH}	V _{DD} -0.4	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	V _{SS} +0.4	V
Supply Current	I _{DD}	-	TBD	-	mA
LCD Driving Voltage	V ₀	-	21.0	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25°C)

Item	Forward Voltage	Forward Current
White	3.1V	120mA