



PIN CONNECTIONS(CON2)

Pin	Symbol	Level	Function
1	V _{SS}	0V	Ground
2	V _{DD}	5.0V	Power supply for Logic
3	V _O	-	Driving voltage for LCD
4	A0	H/L	"L" Data, "H" Instruction code
5	/WR	L	8080 : Write signal
6	/RD	L	8080 : Read signal
7	DB0	H/L	Data bus line
14	DB7		
15	/CS	L	Chip select ,Active L
16	/RES	L	Reset signal ,active "L"
17	V _{EE}	-	Negative Voltage output
18	NC		No connection
19	NC		No connection
20	NC	L	No connection

NOTES:

- Built-in RA8835 controller
- 5/3.3V power supply optional
- Touch panel optional
- For LED version, the outline dimension is 160.0X109.0mm

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	166.8X109.0X11.0	mm
Viewing Area (W x H)	122.0X92.0	mm
Dot Pitch (W x H)	0.36X0.36	mm
Dot Size (W x H)	0.33X0.33	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	0	6.5	V
Supply Voltage (LCD)	V _{DD} -V _O	0	28	V
Input Voltage	V _I	0	V _{DD}	V
Operating Temp.	T _{OPR}	-20	+70	
Storage Temp.	T _{STG}	-30	+80	

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

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.5 V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.2V _{DD}	V
Supply Current	I _{DD}	-	100	-	mA
LCD Driving Voltage	V _{DD} -V _O	-	23.0	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25)

Item	Forward Voltage	Forward Current
White	3.1V	180mA

CCFL BACKLIGHT SPECIFICATIONS (Ta=25)

Item	Symbol	Standard Value
Driving Current	IFLD	5.0mA (AC=300V)