



PIN CONNECTIONS (CON2)

Pin	Symbol	Level	Function
1	V _{SS}	0V	GND
2	V _{DD}	+5V	Power supply for logic
3	NC	-	No Connection
4	SDI	H/L	SPI data input
5	SCLK	H/L	SPI clock input
6	BUSY	H/L	Busy signal
7	/REST	L	Reset signal, active "L"
8	/CS	L	Chip enable signal

USB INTERFACE (CON1, CON3)

Pin	Symbol		Level	Function
	CON1	CON3		
1	V _{DD}	V _{DD}	+5V	Power supply
2	D-	D-	H/L	USB D-
3	D+	D+	H/L	USB D+
4	VSS	NC	0V /-	GND /No Connection
5	-	VSS	0V	GND

NOTES:

- +5V/+3.3V power supply optional
- SPI, UART, I2C, USB interface optional
- Display color: Yellow/Green/Blue optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	75.0X29.0X10.0	mm
Viewing Area (W x H)	57.0 X15.1	mm
Dot Pitch (W x H)	0.43X0.41	mm
Dot Size (W x H)	0.41X0.39	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	5.5	V
Input Voltage	V _I	V _{SS}	V _{DD}	V
Operating Temp.	T _{OPR}	-40	80	°C
Storage Temp.	T _{STG}	-40	80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5V, Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.8V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.2 V _{DD}	V
Output High Voltage	V _{OH}	0.9V _{DD}	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.1 V _{DD}	V
Supply Current	I _{DD}	-	100	-	mA
		50% display area on, V _{DD} = 5.0V			