⊕DATALOGIC™

Special Instructions for
DS1100 SH2347 and DS2200 SH2348
10 - 30 Vdc

Electrical Connections

The scanner cable is equipped with a 25-pin female D-sub connector for connection with the power supply and input/output signals:
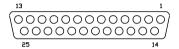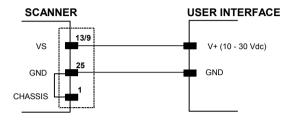

Figure 1 – 25-pin female D-sub connector

Pin	Name	Function
25-pin D-sub connector pinout		
9,13	VS	Power supply input voltage +
25	GND	Power supply input voltage -
1 *	CHASSIS	Chassis Ground
2, 21	TXAUX	TX RS232 Aux. Interface
3, 20	RXAUX	RX RS232 Aux. Interface
4	RTX485 -	RTX- RS485 Main Interface
5	RTX485 +	RTX+ RS485 Main Interface
7	SGND	Signal Ground
8	OUT1 +	Output 1 +
11	OUT2 +	Output 2 +
18	EXT TRIG +	External trigger +
19	EXT TRIG -	External trigger -
10, 12, 22	I/O REF	Input/Output reference
17	IN1 -	Input 1 -
6, 14, 15, 16, 23, 24	N.C.	Not Connected

* Pins 1 and 25 are connected together internally.

Power Supply

Power can be supplied to the scanner through the pins provided on the 25-pin connector used for communication with the host.

The power must be between 10 and 30 Vdc only.

Figure 4 - Input PNP command using external power

Inputs

The yellow LED is on when the External Trigger forces a current flow through the EXT TRIG+ and EXT TRIG- pins.

This input is optocoupled and can be driven by both an NPN or PNP type command. The connections are indicated in the following diagrams:
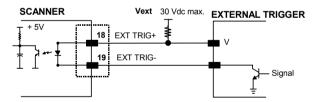

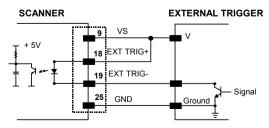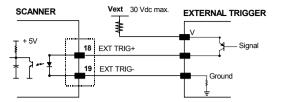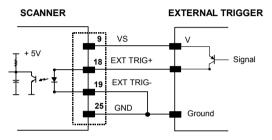**Figure 2 - Input NPN command using external power**

Figure 5 - Input PNP command using scanner power

For DS1100, the general purpose input IN1 is used in the Standard Application Program to store the code verifier *(see "Store Verifier HW" in the WinHost Help On Line)*. Use the input connections indicated in the figure below. For DS2200, this input is not used.
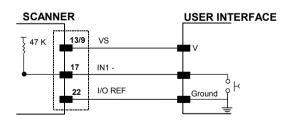

Figure 3 - Input NPN command using scanner power

Figure 6 - IN1 - Input command