

**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:

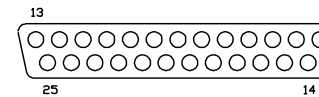


Figure 1 – 25-pin female D-sub connector

25-pin D-sub connector pinout		
Pin	Name	Function
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.

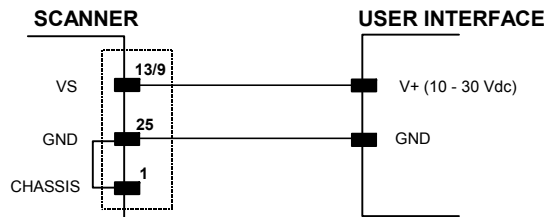


Figure 2 - Input NPN command using external power

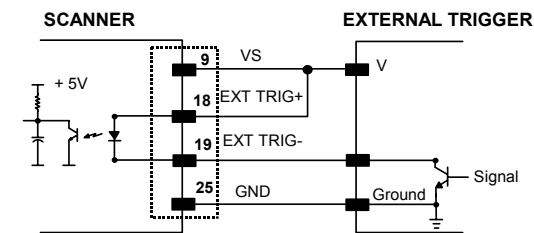


Figure 3 - Input NPN command using scanner power

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:

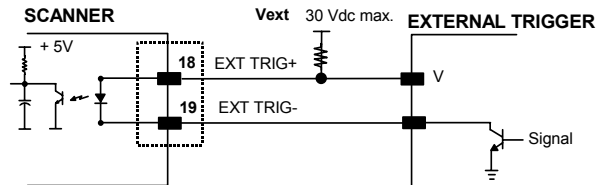


Figure 4 - Input PNP command using external power

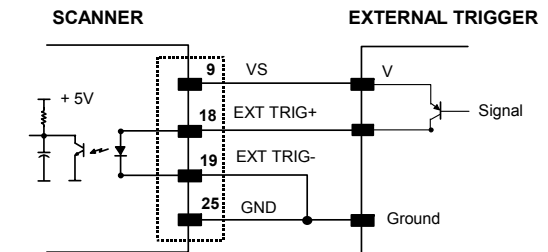


Figure 5 - Input PNP command using scanner power

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.

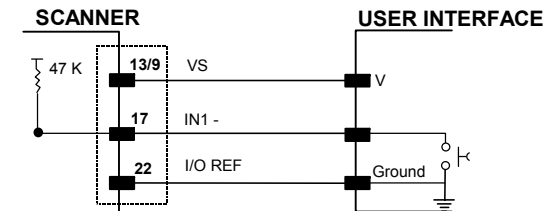


Figure 6 - IN1 - Input command

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