

Engine Configuration... Ports & Pins

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	Hotkey
Input #3	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0
Input #4	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0
Probe	<input type="checkbox"/>	0	0	<input type="checkbox"/>	<input type="checkbox"/>	0
Index	<input type="checkbox"/>	0	0	<input type="checkbox"/>	<input type="checkbox"/>	0
Limit Over	<input type="checkbox"/>	0	0	<input type="checkbox"/>	<input type="checkbox"/>	0
Estop	<input checked="" type="checkbox"/>	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0
THC On	<input type="checkbox"/>	0	0	<input type="checkbox"/>	<input type="checkbox"/>	0
THC Up	<input type="checkbox"/>	0	0	<input type="checkbox"/>	<input type="checkbox"/>	0
THC Down	<input type="checkbox"/>	0	0	<input type="checkbox"/>	<input type="checkbox"/>	0

Pin 10-12 and 15 are inputs. Only these 5 pin numbers may be used on the screen.

Engine Configuration... Ports & Pins

Signal	Enabled	Port #	Pin Number	Active Low
Digit Trip	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Enabled1	<input checked="" type="checkbox"/>	10	0	<input checked="" type="checkbox"/>
Enabled2	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Enabled3	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Enabled4	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Enabled5	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Enabled6	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #1	<input checked="" type="checkbox"/>	1	1	<input checked="" type="checkbox"/>
Output #2	<input checked="" type="checkbox"/>	1	1	<input checked="" type="checkbox"/>

Pin 2 - 9, 1, 14, 16, and 17 are output pins. No other pin numbers should be used.

**Encoder inputs connector (0 / 1 / 2)**

PIN number	Description
1	Enc. CH0 A+
2	Enc. CH0 B+
3	Enc. CH0 H
4	+5V
5	Enc. CH1 A+
6	Enc. CH1 B+
7	Enc. CH1 H
8	+5V
9	Enc. CH2 A+
10	Enc. CH2 B+
11	Enc. CH2 H
12	+5V
13	GND
14	Enc. CH0 A-
15	Enc. CH0 B-
16	Enc. CH0 L
17	GND
18	Enc. CH1 A-
19	Enc. CH1 B-
20	Enc. CH1 L
21	GND
22	Enc. CH2 A-
23	Enc. CH2 B-
24	Enc. CH2 L
25	GND

**Digital inputs connector (0-11)**

PIN number	Description
1	Input 0 (+)
2	Input 1 (+)
3	Input 2 (+)
4	Input 3 (+)
5	Input 4 (+)
6	Input 5 (+)
7	Input 6 (+)
8	Input 7 (+)
9	Input 8 (+)
10	Input 9 (+)
11	Input 10 (+)
12	Input 11 (+)
13	Not used (GND)
14	Input 0 (-)
15	Input 1 (-)
16	Input 2 (-)
17	Input 3 (-)
18	Input 4 (-)
19	Input 5 (-)
20	Input 6 (-)
21	Input 7 (-)
22	Input 8 (-)
23	Input 9 (-)
24	Input 10 (-)
25	Input 11 (-)

**Digital outputs connector (0-15)**

PIN number	Details
1	24V power supply for 0-3 outputs
2	Output 0
3	Output 2
4	24V power supply for 4-7 outputs
5	Output 4
6	Output 6
7	24V power supply for 8-11 outputs
8	Output 8
9	Output 10
10	24V power supply for 12-15 outputs
11	Output 12
12	Output 14
13	GND (not in use)
14	Power supply 0V for 0-3 outputs
15	Output 1
16	Output 3
17	Power supply 0V for 4-7 outputs
18	Output 5
19	Output 7
20	Power supply 0V for 8-11 outputs
21	Output 9
22	Output 11
23	Power supply 0V for 12-15 outputs
24	Output 13
25	Output 15

**Analog inputs/outputs connector**

PIN number	Description
1	Analog output CH0 (V/30V)
2	Analog output CH1 (V/30V)
3	Analog output CH2 (V/30V)
4	Analog output CH3 (V/30V)
5	Analog output CH4 (V/30V)
6	Analog output CH5 (V/30V)
7	Analog output 0 (0-10V)
8	Analog output 1 (0-10V)
9	Analog input 0
10	Analog input 1
11	Analog input 2
12	Analog input 3
13	10V (max. 50mA)
14	GNDC0
15	GNDC1
16	GNDC2
17	GNDC3
18	GNDC4
19	GNDC5
20	GND
21	GND
22	GND
23	GND
24	GND
25	GND

**Power connector**

PIN number	Description
1	Power -24V DC
2	GND
3	ground

