

Proposed FPGA pin mapping for IO316 I/O module

Implementing 32x PWM (TTL), 1x Interrupt (TTL) Code Modules.

Pin	Digital I/O	Code Module	Functionality	Direction	Transceiver
	Channel number				
1	1	1	PWM - A	OUT	TTL
2	2	1	PWM - B	OUT	TTL
3	3	2	PWM - A	OUT	TTL
4	4	2	PWM - B	OUT	TTL
5	5	3	PWM - A	OUT	TTL
6	6	3	PWM - B	OUT	TTL
7	7	4	PWM - A	OUT	TTL
8	8	4	PWM - B	OUT	TTL
9			Ground		
10	9	5	PWM - A	OUT	TTL
11	10	5	PWM - B	OUT	TTL
12	11	6	PWM - A	OUT	TTL
13	12	6	PWM - B	OUT	TTL
14	13	7	PWM - A	OUT	TTL
15	14	7	PWM - B	OUT	TTL
16	15	8	PWM - A	OUT	TTL
17	16	8	PWM - B	OUT	TTL
18	17	9	PWM - A	OUT	TTL
19	18	9	PWM - B	OUT	TTL
20	19	10	PWM - A	OUT	TTL
21	20	10	PWM - B	OUT	TTL
22	21	11	PWM - A	OUT	TTL
23	22	11	PWM - B	OUT	TTL
24	23	12	PWM - A	OUT	TTL
25	24	12	PWM - B	OUT	TTL
26			Ground		
27	25	13	PWM - A	OUT	TTL
28	26	13	PWM - B	OUT	TTL
29	27	14	PWM - A	OUT	TTL
30	28	14	PWM - B	OUT	TTL
31	29	15	PWM - A	OUT	TTL
32	30	15	PWM - B	OUT	TTL
33	31	16	PWM - A	OUT	TTL
34	32	16	PWM - B	OUT	TTL

Pin	Digital I/O	Code Module	Functionality	Direction	Transceiver	Port	Pull Resistors
	Channel number						
35	33	17	PWM - A	OUT	TTL	1	pull-up 3.3 VDC weak pull-up 5.0 VDC pull-down, or floating
36	34	17	PWM - B	OUT	TTL		
37	35	18	PWM - A	OUT	TTL		
38	36	18	PWM - B	OUT	TTL		
39	37	19	PWM - A	OUT	TTL		
40	38	19	PWM - B	OUT	TTL		
41	39	20	PWM - A	OUT	TTL		
42	40	20	PWM - B	OUT	TTL		
43			Ground				
44	41	21	PWM - A	OUT	TTL	2	pull-up 3.3 VDC weak pull-up 5.0 VDC pull-down, or floating
45	42	21	PWM - B	OUT	TTL		
46	43	22	PWM - A	OUT	TTL		
47	44	22	PWM - B	OUT	TTL		
48	45	23	PWM - A	OUT	TTL		
49	46	23	PWM - B	OUT	TTL		
50	47	24	PWM - A	OUT	TTL		
51	48	24	PWM - B	OUT	TTL		
52	49	25	PWM - A	OUT	TTL	3	pull-up 3.3 VDC weak pull-up 5.0 VDC pull-down, or floating
53	50	25	PWM - B	OUT	TTL		
54	51	26	PWM - A	OUT	TTL		
55	52	26	PWM - B	OUT	TTL		
56	53	27	PWM - A	OUT	TTL		
57	54	27	PWM - B	OUT	TTL		
58	55	28	PWM - A	OUT	TTL		
59	56	28	PWM - B	OUT	TTL		
60			Ground				
61	57	29	PWM - A	OUT	TTL	4	pull-up 3.3 VDC weak pull-up 5.0 VDC pull-down, or floating
62	58	29	PWM - B	OUT	TTL		
63	59	30	PWM - A	OUT	TTL		
64	60	30	PWM - B	OUT	TTL		
65	61	31	PWM - A	OUT	TTL		
66	62	31	PWM - B	OUT	TTL		
67	63	32	PWM - A	OUT	TTL		
68	64	32	PWM - B	OUT	TTL		