

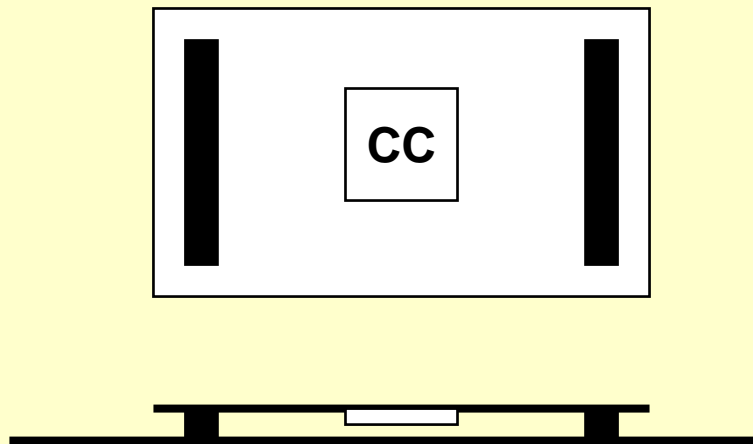
# Coincidence Chip Module

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# Coincidence Chip Module

- 80 LVDS inputs, 16 LVDS outputs difficult to package, only need 100 pieces.
- Idea: wire bond on card, when connected wire bonds protected
- Card gives more flexibility



# Coincidence Chip Module

## CCmodule

1st connector				2nd connector			
1	VDD	2	GND	1	VDD	2	GND
3	VDD	4	GND	3	IN 16 +	4	IN 16 -
5	VDD	6	GND	5	IN 15 +	6	IN 15 -
7	VDD	8	GND	7	IN 14 +	8	IN 14 -
9	VDD	10	GND	9	IN 13 +	10	IN 13 -
11	VDD	12	GND	11	IN 12 +	12	IN 12 -
13	VDD	14	GND	13	IN 11 +	14	IN 11 -
15	IN 17 +	16	IN 17 -	15	IN 10 +	16	IN 10 -
17	IN 18 +	18	IN 18 -	17	IN 9 +	18	IN 9 -
19	IN 19 +	20	IN 19 -	19	IN 8 +	20	IN 8 -
21	IN 20 +	22	IN 20 -	21	IN 7 +	22	IN 7 -
23	IN 21 +	24	IN 21 -	23	IN 6 +	24	IN 6 -
25	IN 22 +	26	IN 22 -	25	IN 5 +	26	IN 5 -
27	IN 23 +	28	IN 23 -	27	IN 4 +	28	IN 4 -
29	IN 24 +	30	IN 24 -	29	IN 3 +	30	IN 3 -
31	IN 25 +	32	IN 25 -	31	IN 2 +	32	IN 2 -
33	IN 26 +	34	IN 26 -	33	IN 1 +	34	IN 1 -
35	IN 27 +	36	IN 27 -	35	VDD	36	GND
37	IN 28 +	38	IN 28 -	37		38	
39	IN 29 +	40	IN 29 -	39		40	
41	IN 30 +	42	IN 30 -	41	I2C	42	
43	IN 31 +	44	IN 31 -	43		44	
45	IN 32 +	46	IN 32 -	45		46	
47	VDD	48	GND	47	VDD	48	GND
49	IN 33 +	50	IN 33 -	49	OUT 1 +	50	OUT 1 -
51	IN 34 +	52	IN 34 -	51	OUT 2 +	52	OUT 2 -
53	IN 35 +	54	IN 35 -	53	OUT 3 +	54	OUT 3 -
55	IN 36 +	56	IN 36 -	55	OUT 4 +	56	OUT 4 -
57	IN 37 +	58	IN 37 -	57	OUT 5 +	58	OUT 5 -
59	IN 38 +	60	IN 38 -	59	OUT 6 +	60	OUT 6 -
61	IN 39 +	62	IN 39 -	61	OUT 7 +	62	OUT 7 -
63	IN 40 +	64	IN 40 -	63	OUT 8 +	64	OUT 8 -

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65	IN 41 +	66	IN 41 -	65	OUT 9 +	66	OUT 9 -
67	IN 42 +	68	IN 42 -	67	OUT 10 +	68	OUT 10 -
69	IN 43 +	70	IN 43 -	69	OUT 11 +	70	OUT 11 -
71	IN 44 +	72	IN 44 -	71	OUT 12 +	72	OUT 12 -
73	IN 45 +	74	IN 45 -	73	OUT 13 +	74	OUT 13 -
75	IN 46 +	76	IN 46 -	75	OUT 14 +	76	OUT 14 -
77	IN 47 +	78	IN 47 -	77	OUT 15 +	78	OUT 15 -
79	IN 48 +	80	IN 48 -	79	OUT 16 +	80	IN 16 -
81	VDD	82	GND	81	VDD	82	
83	IN 49 +	84	IN 49 -	83		84	
85	IN 50 +	86	IN 50 -	85		86	
87	IN 51 +	88	IN 51 -	87	<b>CLK</b>	88	
89	IN 52 +	90	IN 52 -	89		90	
91	IN 53 +	92	IN 53 -	91		92	
93	IN 54 +	94	IN 54 -	93		94	
95	IN 55 +	96	IN 55 -	95	VDD	96	GND
97	IN 56 +	98	IN 56 -	97	IN 65 +	98	IN 65 -
99	IN 57 +	100	IN 57 -	99	IN 66 +	100	IN 66 -
101	IN 58 +	102	IN 58 -	101	IN 67 +	102	IN 67 -
103	IN 59 +	104	IN 59 -	103	IN 68 +	104	IN 68 -
105	IN 60 +	106	IN 60 -	105	IN 69 +	106	IN 69 -
107	IN 61 +	108	IN 61 -	107	IN 70 +	108	IN 70 -
109	IN 62 +	110	IN 62 -	109	IN 71 +	110	IN 71 -
111	IN 63 +	112	IN 63 -	111	IN 72 +	112	IN 72 -
113	IN 64 +	114	IN 64 -	113	IN 73 +	114	IN 73 -
115	VDD	116	GND	115	IN 74 +	116	IN 74 -
117	VDD	118	GND	117	IN 75 +	118	IN 75 -
119	VDD	120	GND	119	IN 76 +	120	IN 76 -
121	VDD	122	GND	121	IN 77 +	122	IN 77 -
123	VDD	124	GND	123	IN 78 +	124	IN 78 -
125	VDD	126	GND	125	IN 79 +	126	IN 79 -
127	VDD	128	GND	127	IN 80 +	128	IN 80 -
129	VDD	130	GND	129	VDD	130	GND