

Type 1 Alner Box

Partial V Plane

Mappings between
 Pixel Number
 Box Fiber Number
 Plane Strip Number
 Four D37 Output Cables

Pixel Number

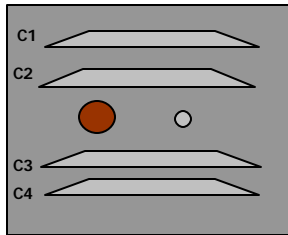
8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9
24	23	22	21	20	19	18	17
32	31	30	29	28	27	26	25
40	39	38	37	36	35	34	33
48	47	46	45	44	43	42	41
56	55	54	53	52	51	50	49
64	63	62	61	60	59	58	57

Box Fiber Number

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

Plane Strip Number

44	13	26	56	32	45	14	27
24	58	30	43	12	25	57	31
28	41	10	23	59	29	42	11
8	21	61	48	40	9	22	60
63	50	38	7	20	62	49	39
36	5	18	64	51	37	6	19
16	66	53	35	4	17	65	52
55	33	46	15	67	54	34	47



Schematic of back of Alner Box
 Four D37, 1 HV 1 Lemo

Only the signal pin numbers are shown, top row, for each connector.

Connector C1 Pin #

37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
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Pixel #	16	15	8	7	14	13	6	5	12	11	4	3	10	9	2	1
Box Fiber #	4	55	28	15	42	29	2	53	16	3	40	27	54	41	14	1
Plane Strip #	24	44	58	13	30	43	26	56	12	25	32	45	57	31	14	27

Connector C2 Pin #

37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
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Pixel #	32	31	24	23	30	29	22	21	28	27	20	19	26	25	18	17
Box Fiber #	20	7	44	31	58	45	18	5	32	19	56	43	6	57	30	17
Plane Strip #	8	21	28	41	61	48	10	23	40	9	59	29	22	60	42	11

Connector C3 Pin #

37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
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Pixel #	48	47	40	39	46	45	38	37	44	43	36	35	42	41	34	33
Box Fiber #	36	23	60	47	10	61	34	21	48	35	8	59	22	9	46	33
Plane Strip #	36	5	63	50	18	64	38	7	51	37	20	62	6	19	49	39

Connector C4 Pin #

37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
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Pixel #	64	63	56	55	62	61	54	53	60	59	52	51	58	57	50	49
Box Fiber #	52	39	12	63	26	13	50	37	64	51	24	11	38	25	62	49
Plane Strip #	55	33	16	66	46	15	53	35	67	54	4	17	34	47	65	52

This Box uses 4 output cables which are "straight-through" and "one-for-one".
 There is ONE connector at each end of the cable, and the pin assignments go straight through
 Each of these Boxes feeds FOUR Minder boards.