

OASIS Application Note

Pinouts for Primary (X,Y,Z, and Video) and Secondary (F-axis) Connectors

Pinouts for 44-way primary Oasis-4i connector:

Pin	Description	Pin	Description
1	Video in (Y)	23	I/O Control 2
2	Ground (Video in Y)	24	Y Encoder B
3	Z-axis Cosine Out	25	Y Encoder A
4	Z-axis Sine Out	26	Ground
5	Z-axis Sine Return	27	No Connect
6	Z-axis Cosine Return	28	X Encoder B
7	Y-axis Cosine Out	29	X Encoder A
8	Y-axis Sine Out	30	Ground
9	Y-axis Sine Return	31	Video out (Y)
10	Y-axis Cosine Return	32	Ground (Video out Y)
11	X-axis Cosine Out	33	Video out (C)
12	X-axis Sine Out	34	Ground (Video out C)
13	X-axis Sine Return	35	Z Limit -ve
14	X-axis Cosine Return	36	Z Limit +ve
15	Key (No connect)	37	Open Collector Output 1 (100R current limit resistor)
16	Key (No connect)	38	+ 5V (Fused - 1A)
17	Video in (C)	39	Y Limit -ve
18	Ground (Video in C)	40	Y Limit +ve
19	I/O Control 1	41	Open Collector Output 2 (No current limit resistor)
20	Z Encoder B	42	+12 V (Fused - 1A)
21	Z Encoder A	43	X Limit -ve
22	Ground	44	X Limit +ve

Pinouts for 25-way F-axis connector:

Pin	Description	Pin	Description
1	F-axis Sine Out	9	F Limit +
2	F-axis Sine Return	10	F Limit -
3	F-axis Cosine Out	11	N/C
4	F-axis Cosine Return	12	N/C
5	F Encoder A	13	Home Input
6	F Encoder B	14	+5V
7	N/C	15	+5V
8	N/C	16 - 25	0V



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