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PC 5.25 Drive & Macintosh SE-Bus Drive Card: Pinouts & Cabling

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PC 5.25" Drive & Macintosh SE-Bus Drive Card: Pinouts & Cabling

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TOPIC -----

What are the pinouts for the Macintosh SE Bus Drive Card and PC 5.25" Drive?

DISCUSSION -----

Here are the pinouts for the internal cable, part number 590-0600, for the SE Bus Drive Card. It has a 26-pin in-line connector on one end for the card itself and a DB-37 connector on the other for the PC 5.25" Drive.

26 pin connector

DB-37 connector

Signal Name	
1	GND
2	Side 1
3	GND
4	Read Data
5	GND
6	Write Protect
7	GND
8	Track 00
9	GND
10	Write Enable
11	GND
12	Write Data
13	GND
14	STEP
15	GND
16	Direction
17	GND
18	Drive Select 0

19	----- GND -----	20
20	----- Motor Drive 0 -----	7
21	----- Diskette Change -----	19
22	----- INDEX -----	6
23	----- +12 Volts -----	1
24	----- + 5 Volts -----	NC
25	----- +12 Volts -----	NC
26	----- + 5 Volts -----	4

Here is the pinout for the DB37 connector on the Macintosh SE-Bus Drive Card
 Note that pins not listed are not used.

DB37	Signal Name
1	----- +12 Volts
2	----- Ground
4	----- + 5 Volts
5	----- Ground
6	----- INDEX
7	----- Motor Enable
8	----- Drive Select 1
9	----- Motor enable
11	----- Direction
12	----- STEP
13	----- Write Data
14	----- Write Enable
15	----- Track 00
16	----- Write Protect
17	----- Read Data
18	----- Side 1
19	----- Diskette Change
20	----- Ground
25	----- Ground

These are the pinouts for the cable, part number 590-0368, used on the PC 5.25 inch drive. The cable uses a 34 pin connector and smaller 4 pin connector for the DC power on the inside of the PC 5.25 inch drive and a DB37 connector that attaches to the card inside the Macintosh SE. Note that pins not listed are not used.

DB37	Signal Name	34 pin edge connector	DC Connector
1	----- +12 Volts -----		1
2	----- Ground -----		2
3	----- Low Density -----	2	
4	----- +5 Volts -----		4
5	----- Ground -----		3
6	----- Index -----	8	
7	----- Motor Enable A -----	16	
9	----- Drive Select A -----	10	
11	----- Direction -----	18	
12	----- Step -----	20	

13	-----	Write Data	-----	22
14	-----	Write Enable	-----	24
15	-----	Track 00	-----	26
16	-----	Write Protect	-----	28
17	-----	Read Data	-----	30
18	-----	Side 1	-----	32
19	-----	Disk Change	-----	34
20	-----	Ground	-----	1
25	-----	Ground	-----	5
27	-----	FNPRES	-----	7

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