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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
2 -----	Side 1 ----- 18
3 -----	GND ----- NC
4 -----	Read Data ----- 17
5 -----	GND ----- 5
6 -----	Write Protect ----- 16
7 -----	GND ----- NC
8 -----	Track 00 ----- 15
9 -----	GND ----- NC
10 -----	Write Enable ----- 14
11 -----	GND ----- NC
12 -----	Write Data ----- 13
13 -----	GND ----- NC
14 -----	STEP ----- 12
15 -----	GND ----- NC
16 -----	Direction ----- 11
17 -----	GND ----- NC
18 -----	Drive Select 0 ----- 9
19 -----	GND ----- 20
20 -----	Motor Drive 0 ----- 7
21 -----	Diskette Change ----- 19
22 -----	INDEX ----- 6
23 -----	+12 Volts ----- 1
24 -----	+ 5 Volts ----- NC

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25 ----- +12 Volts ----- NC
26 ----- + 5 Volts ----- 4

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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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