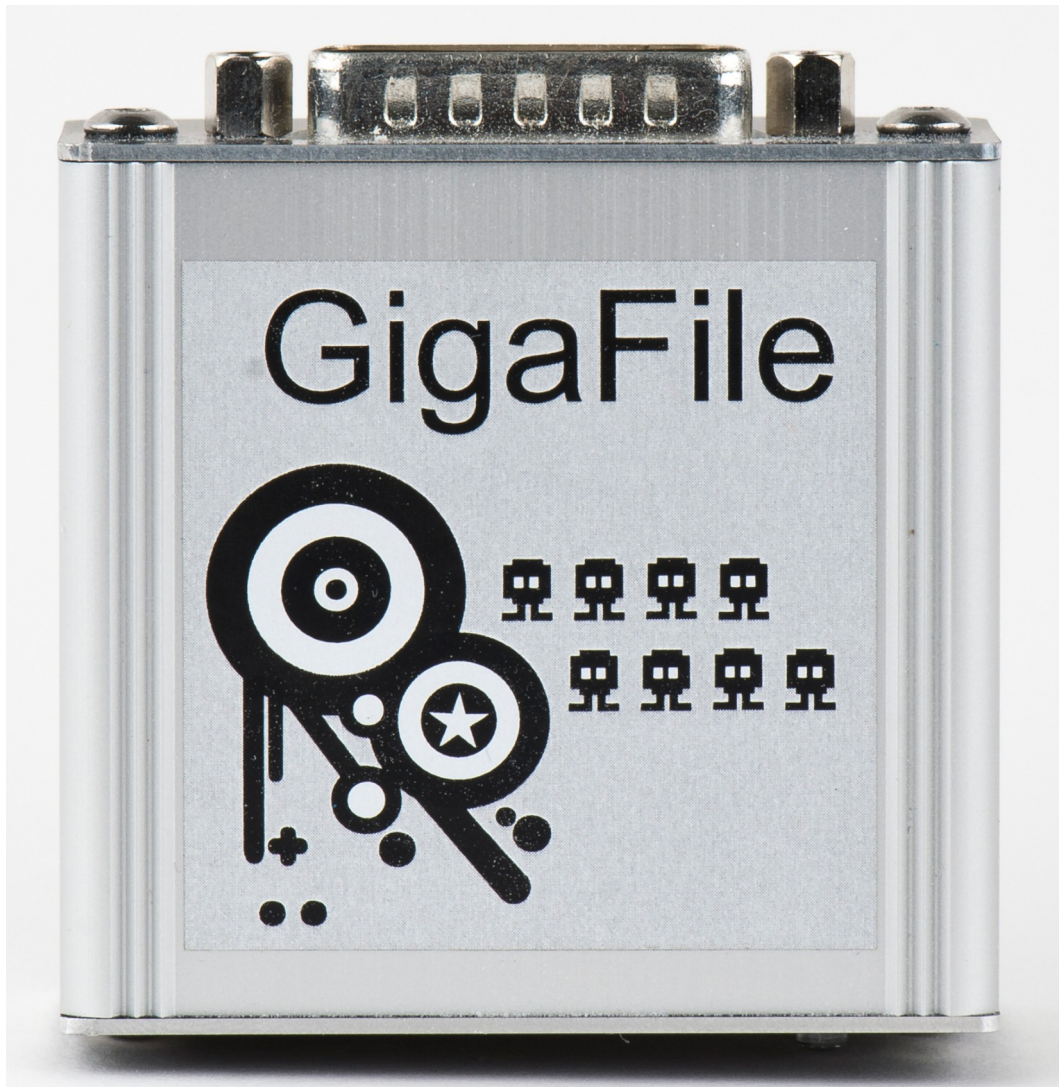




Cable Assemblies and Connector Pinouts for GigaFile SD Card Storage Solutions

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Subject to change without notice.

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Internal Cable Assemblies

Cable Assembly GigaFile - Mega STE and Stacy (internal)

Cable length: 200mm

GigaFile D-SUB 26 Receptacle	Function	30 pos. Pin header
1	D7	15+16
2	GND	25
3	D6	13+14
4	SCSI_ATNn	n.c.
5	D5	11+12
6	GND	27
7	D4	9+10
8	GND	29
9	D3	7+8
10	SCSI_Dpn	n.c.
11	D2	5+6
12	GND	n.c.
13	D1	3+4
14	GND	n.c.
15	D0	1+2
16	GND	n.c.
17	ACSI_SCsIn	n.c.
18	SCSI_IOn	n.c.
19	VCC-TPWR	26+28+30
20	ACKn	18
21	REQn	22
22	CSn_DCn	19
23	RSTn	17
24	CA1_MSGn	20
25	INTn_BUSYn	23
26	CRWn_SELn	21

Table 1: Cable Assembly GigaFile - Mega STE and Stacy

Cable Assembly GigaFile – Mega ST (internal)

Cable length: 200mm

GigaFile D-SUB 26 Receptacle	Function	24 pos. Pin header
1	D7	16
2	GND	17
3	D6	14
4	SCSI_ATNn	n.c.
5	D5	12
6	GND	13
7	D4	10
8	GND	9
9	D3	8
10	SCSI_Dpn	n.c.
11	D2	6
12	GND	7
13	D1	4
14	GND	5
15	D0	2
16	GND	1
17	ACSI_SCsIn	n.c.
18	SCSI_IOn	n.c.
19	VCC-TPWR	see 1)
20	ACKn	11
21	REQn	23
22	CSn_DCn	18
23	RSTn	3
24	CA1_MSGn	19
25	INTn_BUSYn	24
26	CRWn_SELn	22
n.c.	GND	15
n.c.	GND	20
n.c.	GND	21

Table 2: Cable Assembly GigaFile-Mega ST

1) VCC via red wire connected to +5V anywhere.

External Cable Assemblies

Cable Assembly GigaFile - ACSI Interface (external)

Cable length: 520mm

GigaFile D-SUB 26 Receptacle	Function	Cable Colour LI-YCY 25	Cable Colour LI-YCY 20	ACSI D-SUB19 Connector	Power Supply
1	D7	white	white	8	
2	GND	black	black	11	0V using LIYCY 20
3	D6	brown	brown	7	
4 (n.c.)	SCSI_ATNn			-	
5	D5	green	green	6	
6	GND	green-brown	green-brown	13	
7	D4	yellow	yellow	5	
8	GND	blue-white	blue-white	15	
9	D3	grey	grey	4	
10 (n.c.)	SCSI_Dpn			-	
11	D2	pink	pink	3	
12	GND	grey-white	grey-white	17	
13	D1	Blue	blue	2	
14	GND	pink-brown	-	-	0V using LIYCY 25
15	D0	red	red	1	
16 (n.c.)	GND			-	
17 (n.c.)	ACSI_SCStn			-	
18 (n.c.)	SCSI_IOn			-	
19	VCC-TPWR	pink-white	pink-white	-	VCC (+5V)
20	ACKn	white-yellow	white-yellow	14	
21	REQn	brown-grey	brown-grey	19	
22	CSn_DCn	white-green	white-green	9	
23	RSTn	purple	purple	12	
24	CA1_MSGn	yellow-brown	yellow-brown	16	
25	INTn_BUSYn	red-blue	red-blue	10	
26	CRWn_SELn	pink-grey	pink-grey	18	

Table 3: Cable Assembly GigaFile - ACSI Interface

Cable Assembly GigaFile - SCSI-D-SUB25 (external)

Cable length: 520mm

GigaFile D-SUB 26 Receptacle	Function	Cable Colour LI-YCY 25	SCSI D-SUB25 Connector
1	D7	white-yellow	13
2	GND	pink	9
3	D6	white-red	12
4	SCSI_ATNn	blue-brown	17
5	D5	grey	11
6	GND	blue-white	16
7	D4	yellow	23
8	GND		-
9	D3	green	10
10	SCSI_Dpn	red	20
11	D2	black	22
12	GND	pink-grey	14
13	D1	purple	21
14	GND	yellow-brown	18
15	D0	red-brown	8
16	GND	black-white	24
17	ACSI_SCStn	pink-white	7
18	SCSI_IOn	pink-brown	3
19	VCC-TPWR	blue	25
20	ACKn	grey-white	5
21	REQn	blue-red	1
22	CSn_DCn	green-white	15
23	RSTn	green-brown	4
24	CA1_MSGn	brown-grey	2
25	INTn_BUSYn	white	6
26	CRWn_SELn	brown	19

Table 4: Cable Assembly GigaFile - SCSI Interface

Cable Assembly GigaFile - SCSI-D-SUB50 (external)

Cable length: 520mm

GigaFile D-SUB 26 Receptacle	Function	Cable Colour LI-YCY 25	Cable Colour SCSI-II *)	SCSI D-SUB 50 (SCSI-II)
1	D7	tbd.	purple-white	33
2	GND	tbd.	purple	8
3	D6	tbd.	blue-white	32
4	SCSI_ATNn	tbd.	lightblue-red	41
5	D5	tbd.	green-white	31
6	GND	tbd.	green	6
7	D4	tbd.	yellow-black	30
8	GND	tbd.	yellow	5
9	D3	tbd.	orange-black	29
10	SCSI_Dpn	tbd.	grey-black	34
11	D2	tbd.	red-white	28
12	GND	tbd.	red	3
13	D1	tbd.	brown-white	27
14	GND	tbd.	brown	2
15	D0	tbd.	black-white	26
16	GND	tbd.	black	1
17	ACSI_SCSIn	Tbd.	grey	17 = GND
18	SCSI_IOn	tbd.	yellow-brown	50
19	VCC-TPWR	tbd.	pink-white	38
20	ACKn	tbd.	grey-red	44
21	REQn	tbd.	purple-red	49
22	CSn_DCN	tbd.	blue-black	48
23	RSTn	tbd.	yellow-red	45
24	CA1_MSGn	tbd.	blue-red	46
25	INTn_BUSYn	tbd.	white-red	43
26	CRWn_SELn	tbd.	red-black	47

Table 5: Cable Assembly SCSI - D-SUB 50 (SCSI-II)

**) The notation of cable colours is as follows: Main colour, colour of the stripes.*

Pinout of Connectors

Pin Out of a 19 position D-SUB ACSI Connector

Pin No.	Function
1	DB0
2	DB1
3	DB2
4	DB3
5	DB4
6	DB5
7	DB6
8	DB7
9	/CS
10	/INT
11	GND
12	/RESET
13	GND
14	/ACK
15	GND
16	A1
17	GND
18	R/W
19	/DRQ

Table 6: ACSI Pinout eines 19 poligen SUB-D

Pin Out of a 25 position D-SUB SCSI Connector

Pin No.	Function
1	/REQ
2	/MSG
3	I/O
4	/RST
5	/ACK
6	BSY
7	GND
8	DB0
9	GND
10	DB3
11	DB5
12	DB6
13	DB7
14	GND
15	C/D
16	GND
17	/ATN
18	GND
19	/SEL
20	PARITY
21	DB1
22	DB2
23	DB4
24	GND
25	TMPWR

Table 7: SCSI Pin Out of a 25 pos. D-SUB

Remark: Atari TT machines deliver no termpower via pin 25.

Pin Out of a 50 position D-SUB SCSI_II Connector

Pin No.	Function	Pin Nr.	Funktion
1	GND	26	DB0
2	GND	27	DB1
3	GND	28	DB2
4	GND	29	DB3
5	GND	30	DB4
6	GND	31	DB5
7	GND	32	DB6
8	GND	33	DB7
9	GND	34	PARITY
10	GND	35	GND
11	GND	36	GND
12	GND	37	GND
13	GND	38	TERMP WR
14	GND	39	GND
15	GND	40	GND
16	GND	41	/ATN
17	GND	42	n.c.
18	GND	43	BSY
19	GND	44	/ACK
20	GND	45	/RESET
21	GND	46	/MSG
22	GND	47	/SEL
23	GND	48	C/D
24	GND	49	/REQ
25	GND	50	I/O

Table 8: SCSI Pinout of a 50 position D-SUB (SCSI-II)

Remark: Atari Falcon machines deliver Termpower on Pin 38, fused by 1A.

Pin Out of a 26 position GigaFile ACSI/SCSI Connector

Pin No.	Function
1	Data Bus Bit D7
2	GND
3	Data Bus Bit D6
4	SCSI_ATNn
5	Data Bus Bit D5
6	GND
7	Data Bus Bit D4
8	GND
9	Data Bus Bit D3
10	SCSI_DPn
11	Data Bus Bit D2
12	GND
13	Data Bus Bit D1
14	GND
15	Data Bus Bit D0
16	GND
17	ACSI_SCSIIn
18	SCSI_IOn
19	VCC
20	ACKn
21	REQn
22	CSn_DCn
23	RSTn
24	CA1_MSGn
25	INTn_BUSYn
26	CRWn_SELn

Table 9: Pin Out of a 26 position HD-D-SUB

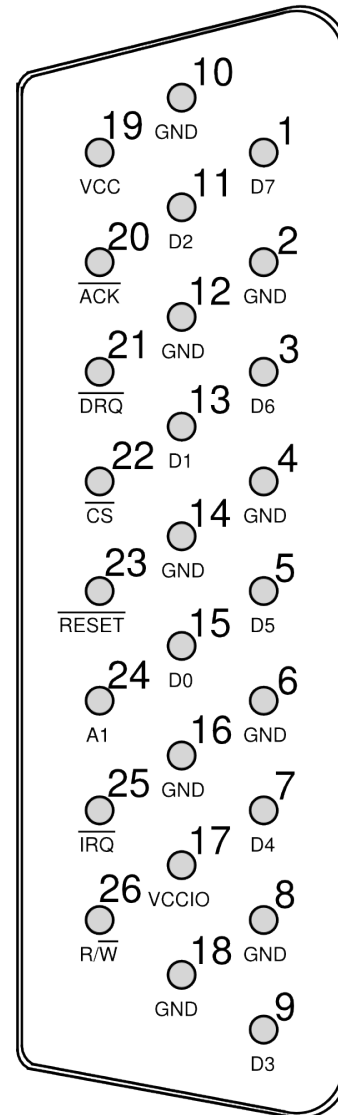


Figure 1: Layout of the 26 position HD-D-SUB

Recommendations for external Wired Connections

The following table lists working cable links from different devices to the GigaFile.

Device	Type of Cable
Atari 1040 ST (ACSI)	D-SUB-19 to HD-D-SUB26. External power of 5VDC required.
Atari 1040 STE (ACSI)	D-SUB-19 to HD-D-SUB26. External power of 5VDC required.
Atari Mega 1/2/4 (ACSI)	D-SUB-19 to HD-D-SUB26. External power of 5VDC required.
Atari Stacy (ACSI)	D-SUB-19 to HD-D-SUB26. External power of 5VDC required.
Atari STBook	Tbd. 28-position Multi Delta Ribbon Connector required.
Atari TT (ACSI)	D-SUB-19 to HD-D-SUB26. External power of 5VDC required.
Atari TT (SCSI)	D-SUB-25 to D-SUB50-SCSI-II via GigaFile adapter type 4. External power of 5VDC required.
Atari TT (SCSI)	D-SUB25 to HD-D-SUB26 Cable. Use high quality cable for digital data e.g. LiYCY 36x0,14. Provide many ground wires. External power of 5VDC required.
Atari Falcon (SCSI)	D-SUB50-SCSI-II to HD-D-SUB26. No external power supply necessary.

Table 10: External GigaFile Connecting Cables