

Video Port:	
1.	Red Video
2.	Green Video
3.	Blue Video
4.	Monitor ID Bit 2 (not used)
5.	Ground
6.	Red Return (ground)
7.	Green Return (ground)
8.	Blue Return (ground)
9.	Key (no pin)
10.	Sync Return (ground)
11.	Monitor ID Bit 0 (ground)
12.	Monitor ID Bit 1 (ground)
13.	Horizontal Sync
14.	Vertical Sync
15.	Not Used (diagnostic)

RS-232 Serial Port:	
1.	Carrier Detect
2.	Receive Data
3.	Transmit Data
4.	Data Terminal Ready
5.	Signal Ground
6.	Data Set Ready
7.	Request to Send
8.	Clear to Send
9.	Ring Indicator

Keyboard/Mouse Port:			
1.	Data	4.	+5 VDC
2.	Reserved	5.	Clock
3.	Ground	6.	Reserved

Parallel I/O Port:			
1.	Strobe	10.	ACKNOWLEDGE
2.	Data Bit 0	11.	BUSY
3.	Data Bit 1	12.	PAPER END
4.	Data Bit 2	13.	SELECT
5.	Data Bit 3	14.	AUTO FEED
6.	Data Bit 4	15.	ERROR
7.	Data Bit 5	16.	INITIALIZE
8.	Data Bit 6	17.	SELECT IN
9.	Data Bit 7	18-25.	Ground

Joystick Port:			
1.	+5 VDC	9.	+5 VDC
2.	Button 4	10.	Button 6
3.	Position 0	11.	Position 2
4.	Ground	12.	Ground
5.	Ground	13.	Position 3
6.	Position 1	14.	Button 7
7.	Button 5	15.	+5 VDC
8.	+5 VDC		

MIDI Port:	
1.	MIDI OUT
2.	+5 VDC
3.	MIDI THRU
4.	MIDI IN K
5.	MIDI IN A
6.	Ground

Telephone (RJ11) Port:	
1.	No connection
2.	Ring
3.	Tip
4.	No Connection

Microphone Port:	
1.	AGND
2.	Mic/line-left
3.	Mic/line right

Headphone Port	
1.	AGND
2.	Headphone-left
3.	Headphone-right
4.	PC speaker
5.	PC speaker, switched
6.	No connection

Line Out Port:	
1.	AGND
2.	Line out-left
3.	AGND
4.	Line out-right

Diskette Drive Interface			
1	NC	2	NDEN-
3	NC	4	NC
5	+ 5VDC	6	NC
7	+ 5VDC	8	IDX-
9	+ 5VDC	10	DS0-
11	+ 5VDC	12	DS1-
13	GND	14	DS2-
15	GND	16	MOTEN-
17	GND	18	DIR-
19	GND	20	STEP-
21	GND	22	WD-
23	GND	24	FDCWE-
25	GND	26	TRK00-
27	GND	28	WP-
29	GND	30	RDD-
31	GND	32	HS-
33	GND	34	DCHNG

IDE Interface			
1	HDDRST-	2	GND
3	HDD7	4	HDD8
5	HDD6	6	HDD9
7	HDD5	8	HDD10
9	HDD4	10	HDD11
11	HDD3	12	HDD12
13	HDD2	14	HDD13
15	HDD1	16	HDD15
17	HDD0	18	HDD15
19	GND	20	NC (key)
21	NC	22	GND
23	HDIOW-	24	GND
25	HDIOR-	26	GND
27	HDRDY	28	HDALE
29	NC	30	GND
31	IRQ14	32	HDACS16-
33	HDA1	34	NC
35	HDA0	36	HDA2
37	HHDCS0-	38	HHDCS1-
39	ACTIVE-	40	GND

ISA 16/8-Bit Expansion Slots							
62-pin connector				36-pin connector			
A1	IOCHCK-	B1	GND	A1	SBHE-	B1	MEMCS16-
A2	SD7	B2	RSTDRV	A2	LA23	B2	IOCS16-
A3	SD6	B3	+ 5VDC	A3	LA22	B3	IRQ10
A4	SD5	B4	IRQ9	A4	LA21	B4	IRQ11
A5	SD4	B5	- 5VDC	A5	LA20	B5	IRQ12
A6	SD3	B6	DRQ2	A6	LA19	B6	IRQ15
A7	SD2	B7	- 12VDC	A7	LA18	B7	IRQ14
A8	SD1	B8	OWS-	A8	LA17	B8	DACK0-
A9	SD0	B9	+ 12VDC	A9	MEMR-	B9	DRQ0
A10	IOCHRDY	B10	GND	A10	MEMW-	B10	DACK5-
A11	AEN	B11	SMEMW-	A11	SD8	B11	DRQ5
A12	SA19	B12	SMEMR-	A12	SD9	B12	DACK6-
A13	SA18	B13	IOW-	A13	SD10	B13	DRQ6
A14	SA17	B14	IOR-	A14	SD11	B14	DACK7-
A15	SA16	B15	DACK3-	A15	SD12	B15	DRQ7
A16	SA15	B16	DRQ3	A16	SD13	B16	+ 5VDC
A17	SA14	B17	DACK1-	A17	SD14	B17	MASTER-

A18	SA13	B18	DRQ1
A19	SA12	B19	REFRESH-
A20	SA11	B20	SYSCLK
A21	SA10	B21	IRQ7
A22	SA9	B22	IRQ6
A23	SA8	B23	IRQ5
A24	SA7	B24	IRQ4
A25	SA6	B25	IRQ3
A26	SA5	B26	DACK2-
A27	SA4	B27	TC
A28	SA3	B28	BALE
A29	SA2	B29	+ 5VDC
A30	SA1	B30	OSC
A31	SA0	B31	GND

A18	SD15	B18	GND
-----	------	-----	-----

CD-ROM Audio Connector			
1	CD-R	2	Ground (analog)
3	CD-L	4	Ground (analog)

CD-ROM Interface Board Connector

1	GND	2	SA0
3	SA1	4	SA2
5	SA3	6	SA4
7	SA5	8	GND
9	SA6	10	SA7
11	SA8	12	SA9
13	SA10	14	SA11
15	GND	16	SA12
17	SA13	18	SA14
19	SA15	20	SA16
21	SA17	22	GND
23	SA18	24	SA19
25	IOR-	26	IOW-
27	AEN	28	BALE
29	GND	30	SMEMR-
31	SMEMW-	32	MEMCS16-
33	IOCS16-	34	NC
35	SD0	36	SD1
37	SD2	38	SD3
39	GND	40	SD4
41	SD5	42	SD6
43	SD7	44	SD8
45	SD9	46	GND
47	SD10	48	SD11
49	SD12	50	SD13
51	SD14	52	SD15
53	GND	54	IOCHRDY
55	OWS-	56	REFRESH-
57	SBHE-	58	IRQ11
59	IRQ10	60	GND
61	DRQ6	62	DACK6-
63	RSTDRVU	64	+ 5VDC
65	+ 5VDC	66	+ 5VDC
67	GND	68	NC

CD-ROM Data Cable Connector

1	RESPONSE	2	GND
3	COMMAND	4	GND
5	SERIAL DATA	6	MC (key)
7	DATA CLOCK	8	RESERVED
9	ATTENTION	10	RESERVED
11	RESEERVED	12	RESERVED
13	RESERVED	14	RESERVED
15	RESERVED	16	RESERVED

Modem Connector

1	GND	2	Pull-up
3	XA2	4	XA1
5	XA0	6	+ 5VDC
7	MODEMCS-	8	DTMFST-
9	GND	10	XIOW-
11	XIOR-	12	RSTDRVU
13	IOCHRDY	14	- 12VDC
15	SPKMDMIN	16	IRQ3
17	+ 5VDC	18	SPKMDMOT
19	GND	20	XD7
21	XD6	22	XD5
23	XD4	24	XD3
25	XD2	26	XD1
27	XD0	28	GND

Video Feature Connector

1	VIDF0	2	GND
3	VIDF1	4	GND
5	VIDF2	6	GND
7	VIDF3	8	ENFID-
9	VIDF4	10	ENFSYNC-
11	VIDF5	12	ENFCLK-
13	VIDF6	14	NC
15	VIDF7	16	GND

17	FCLK	18	GND
19	BLANK-	20	GND
21	HSYNCB	22	GND
23	VSYNCB	24	NC
25	GND	26	NC (key)

(smm 08/06/93)

(smm 08/16/93)