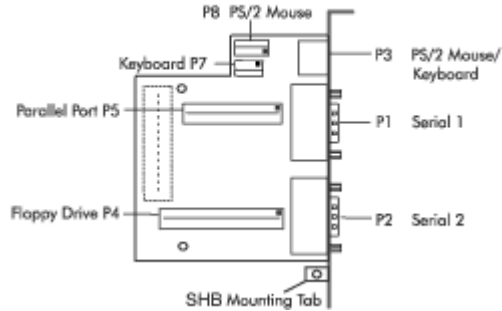




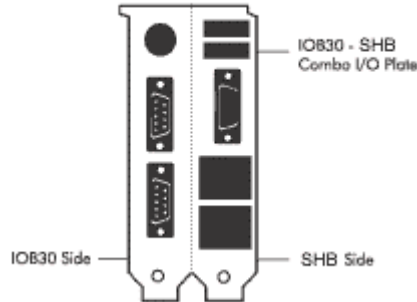
Technical Information – Jumpers, Connectors and Memory IOB30 (6391-xxx) System Host Board

Layout Diagram

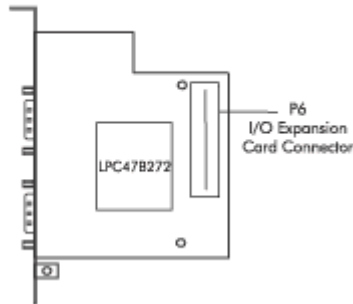
IOB30 Front View



IOB30 Side View



IOB30 Back View



Connectors

NOTE:

Pin 1 on the connectors is indicated by the square pad on the PCB.

P1 - SERIAL PORT 1 CONNECTOR

9 position “D” right angle, Spectrum #56-402-001

PIN	SIGNAL	PIN	SIGNAL
1	Carrier Detect	2	Receive Data-I
3	Transmit Data-O	4	Data Terminal Ready-O
5	Signal Gnd	6	Data Set Ready-I
7	Request to Send-O	8	Clear to Send-I
9	Ring Indicator-I		

P6 - I/O Expansion Mezzanine Card Connector

76 pin controlled impedance connector, Samtec #MIS-038-01-FD-K

PIN	SIGNAL	PIN	SIGNAL
1	+12V	2	+5V_STANDBY
3	NC	4	+5V_STANDBY
5	NC	6	+5V_DUAL
7	NC	8	+5V_DUAL
9	NC	10	NC
11	NC	12	NC
13	ICH_SMI#	14	ICH_RCIN#
15	ICH_SIOPME#	16	ICH_A20GATE
17	Gnd	18	Gnd
19	L_FRAME#	20	L_AD3



Connectors (Continued)

P2 - SERIAL PORT 2 CONNECTOR

9 position “D” right angle, Spectrum #56-402-001

PIN	SIGNAL	PIN	SIGNAL
1	Carrier Detect	2	Receive Data-I
3	Transmit Data-O	4	Data Terminal Ready-O
5	Signal Gnd	6	Data Set Ready-I
7	Request to Send-O	8	Clear to Send-I
9	Ring Indicator-I		

P3 - PS/2 MOUSE AND KEYBOARD CONNECTOR

6 pin mini DIN, Kycon #KMDG-6S-B4T

PIN	SIGNAL
1	Ms Data
2	Kbd Data
3	Gnd
4	Power (+5V fused) with self-resetting fuse
5	Ms Clock
6	Kbd Clock

P4 - FLOPPY DRIVE CONNECTOR

34 pin dual row header, Amp #103308-7

PIN	SIGNAL	PIN	SIGNAL
1	Gnd	2	N-RPM
3	Gnd	4	NC
5	Gnd	6	D-Rate0
7	Gnd	8	P-Index
9	Gnd	10	N-Motoron 1
11	Gnd	12	N-Drive Sel2
13	Gnd	14	N-Drive Sel1
15	Gnd	16	N-Motoron 2
17	Gnd	18	N-Dir
19	Gnd	20	N-Stop Step

21	L_DRQ1#	22	L_AD2
23	L_DRQ0#	24	L_AD1
25	SERIRQ	26	L_AD0
27	Gnd	28	Gnd
29	PCLK14SIO	30	PCLK33LPC
31	Gnd	32	Gnd
33	SMBDATA_RESUME	34	IPMB_DAT
35	SMBCLK_RESUME	36	IPMB_CLK
37	SALRT#_RESUME	38	IPMB_ALRT#
39	Gnd	40	Gnd
41	EXP_CLK100	42	EXP_RESET#
43	EXP_CLK100#	44	ICH_WAKE#
45	Gnd	46	Gnd
47	C_PE_TXP4	48	C_PE_RXP4
49	C_PE_TXN4	50	C_PE_RXN4
51	Gnd	52	Gnd
53	C_PE_TXP3	54	C_PE_RXP3
55	C_PE_TXN3	56	C_PE_RXN3
57	Gnd	58	Gnd
59	C_PE_TXP2	60	C_PE_RXP2
61	C_PE_TXN2	62	C_PE_RXN2
63	Gnd	64	Gnd
65	C_PE_TXP1	66	C_PE_RXP1
67	C_PE_TXN1	68	C_PE_RXN1
69	Gnd	70	Gnd
71	+3.3V	72	+5V
73	+3.3V	74	+5V
75	+3.3V	76	+5V

P7 - KEYBOARD HEADER

5 pin single row header, Amp #640456-5

PIN	SIGNAL
1	Kbd Clock
2	Kbd Data



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21 Gnd	22 N-Write Data	3 Key
23 Gnd	24 N-Write Gate	4 Kbd Gnd
25 Gnd	26 P-Track 0	5 Kbd Power (+5V fused) with self-resetting fuse
27 Gnd	28 P-Write Protect	
29 Gnd	30 N-Read Data	
31 Gnd	32 N-Side Select	
33 Gnd	34 Disk Chng	

P8 - PS/2 MOUSE HEADER
 6 pin single row header, Amp #640456-6

Connectors (Continued)

P5 - PARALLEL PORT CONNECTOR
 26 pin dual row header, Amp #103308-6

PIN	SIGNAL	PIN	SIGNAL
1	Strobe	2	Auto Feed XT
3	Data Bit 0	4	Error
5	Data Bit 1	6	Init
7	Data Bit 2	8	Slct In
9	Data Bit 3	10	Gnd
11	Data Bit 4	12	Gnd
13	Data Bit 5	14	Gnd
15	Data Bit 6	16	Gnd
17	Data Bit 7	18	Gnd
19	ACK	20	Gnd
21	Busy	22	Gnd
23	Paper End	24	Gnd
25	Slct	26	NC

PIN	SIGNAL
1	Ms Data
2	Reserved
3	Gnd
4	Power (+5V fused) with self-resetting fuse
5	Ms Clock
6	Reserved