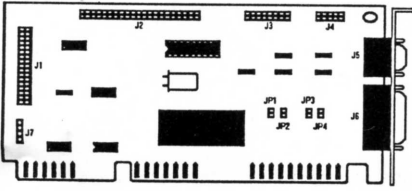


LTC-A2C/LTC-A2CS

Reference Manual



Jumper & Connector Guide

J1	Floppy Controller Connector	J7	HDD Activity LED
J2	IDE Hard Disk Connector	JP1	Printer Port Definition
J3	Game Port (Joy-stick)	JP2	Printer Port Definition
J4	Serial Port (COM2)	JP3	COM1 Enable/Disable
J5	Serial Port (COM1)	JP4	COM2 Enable/Disable
J6	Printer (Parallel) Port		

HDD LED Connection

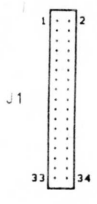
The cable from the hard disk LED on your case can be connected either to pins 1 & 2, or 3 & 4. Make sure the positive (+) wire is connected to pin 1 or 4.



Pin Assignments

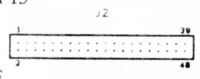
Floppy Controller Interface (J1)

PIN	FUNCTION	PIN	FUNCTION
1	Ground	2	- Reduced Write Current
3	Ground	4	Reserved
5	Ground	6	Reserved
9	Ground	8	- Index
11	Ground	10	- Motor Enable A
13	Ground	12	- Drive Select B
15	Ground	14	- Drive Select A
17	Ground	16	- Motor Enable B
19	Ground	18	- Direction
21	Ground	20	- Step Pulse
23	Ground	22	Write Data
25	Ground	24	- Write Enable
27	Ground	26	- Track 0
29	Ground	28	- Write Protect
31	Ground	30	Read Data
33	Ground	32	- Select Head 1
		34	- Diskette Change



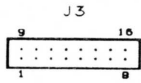
IDE Hard Disk Interface (J2)

PIN	FUNCTION	PIN	FUNCTION
1	- Host Reset	2	Ground
3	Host Data 7	4	Host Data 8
5	Host Data 6	6	Host Data 9
7	Host Data 5	8	Host Data 10
9	Host Data 4	10	Host Data 11
11	Host Data 3	12	Host Data 12
13	Host Data 2	14	Host Data 13
15	Host Data 1	16	Host Data 14
17	Host Data 0	18	Host Data 15
19	Ground	20	KEY
21	Not Connected	22	Ground
23	- Host IOW	24	Ground
25	- Host IOR	26	Ground
27	Not Connected	28	Host ALE
29	Not Connected	30	Ground
31	Host IRQ14	32	- Host IOCS16
33	Host Addr 1	34	Not Connected
35	Host Addr 0	36	Host Addr2
37	- Host CS0	38	- Host CSI
39	- Host SLV/ACT	40	Ground



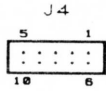
Game Port (J3)

PIN	FUNCTION	PIN	FUNCTION
1	+5 Volts	9	+5 Volts
2	SW0	10	SW2
3	AN0	11	AN2
4	Ground	12	Ground
5	Ground	13	AN3
6	AN1	14	SW3
7	SW1	15	+5 Volts
8	+5 Volts	16	Not Connected



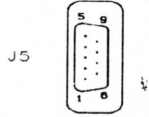
Serial Port—COM2 (J4)

Pin	Function
1	Data Carrier Detect
2	Receive Data
3	Transmit Data
4	Data Terminal Ready
5	Signal Ground Reference
6	Data Set Ready
7	Request to Send
8	Clear to Send
9	Ring Indicator
10	Not Connected



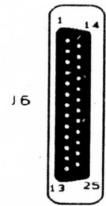
Serial Port—COM1 (J5)

The pin settings are exactly the same as that for COM2.



Printer Port (J6)

PIN	FUNCTION	PIN	FUNCTION
1	— Strobe	14	— Auto Feed
2	Data Bit 0	15	— Error
3	Data Bit 1	16	— Initialize
4	Data Bit 2	17	— Select In
5	Data Bit 3	18	Ground
6	Data Bit 4	19	Ground
7	Data Bit 5	20	Ground
8	Data Bit 6	21	Ground
9	Data Bit 7	22	Ground
10	— Acknowledge	23	Ground
11	Busy	24	Ground
12	Page End	25	Ground
13	Select	26	Not Connected



NOTES

Jumper settings for JP1, JP2, JP3, and JP4 are printed on the card itself.

The IDE port on the LTC-A2C / LTC-A2CS cards can handle up to two IDE hard disk drives of no more than 270 megabytes storage capacity each.

The Floppy Controller Interface can connect up to two floppy drives of any size : 1.44M, 1.2M, 720K, 360K.

Simply disconnecting the cable from either the IDE interface or the floppy interface will automatically disable the port.

LTC-A2C with Game Port connector.

LTC-A2CS without Game Port Connector.
