

Figure 1. Z80 CPU Board (Rev. A through C).



Figure 2. Z80 CPU Board (Rev. D).

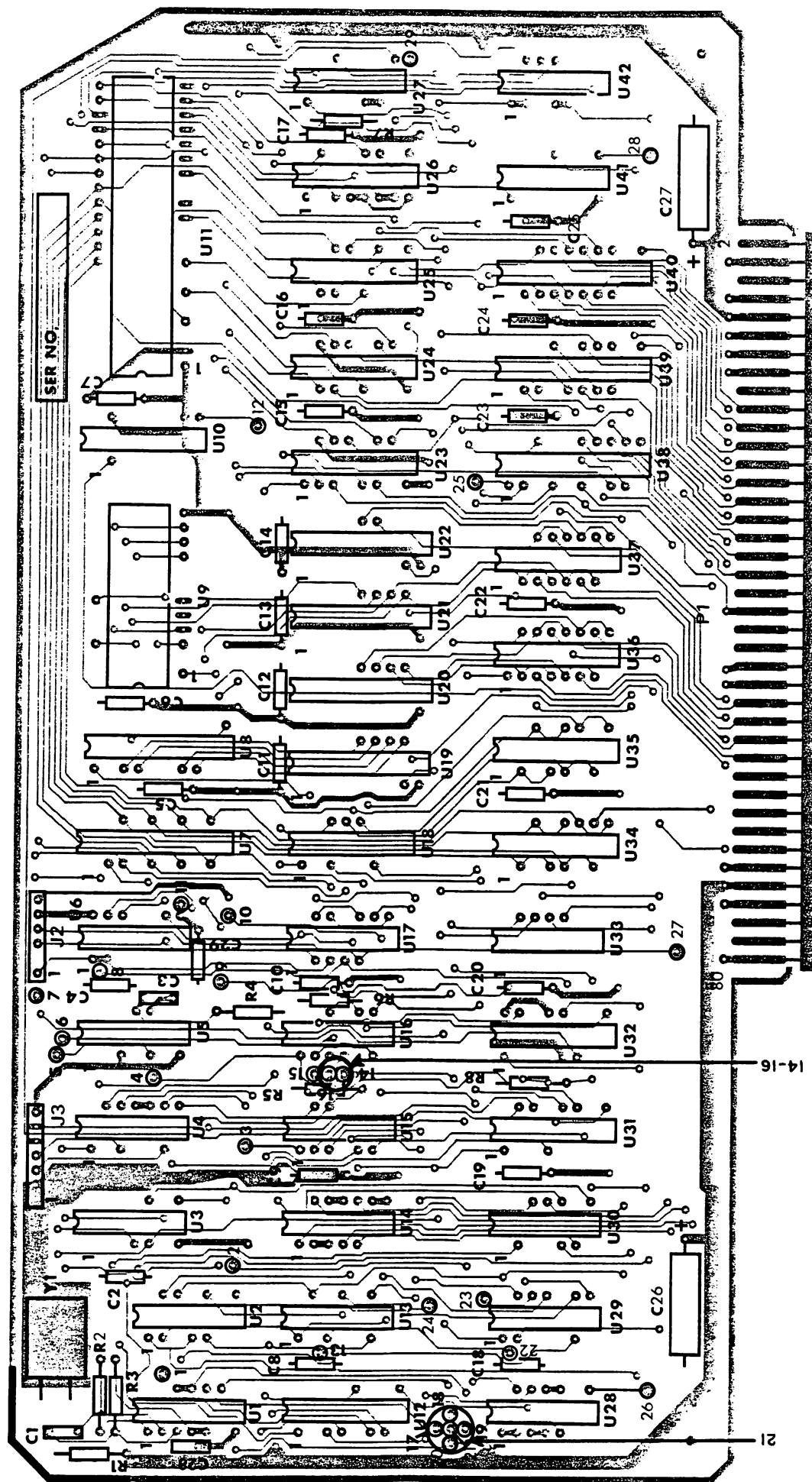


Figure 3. Keyboard/Video Board (Early Style).

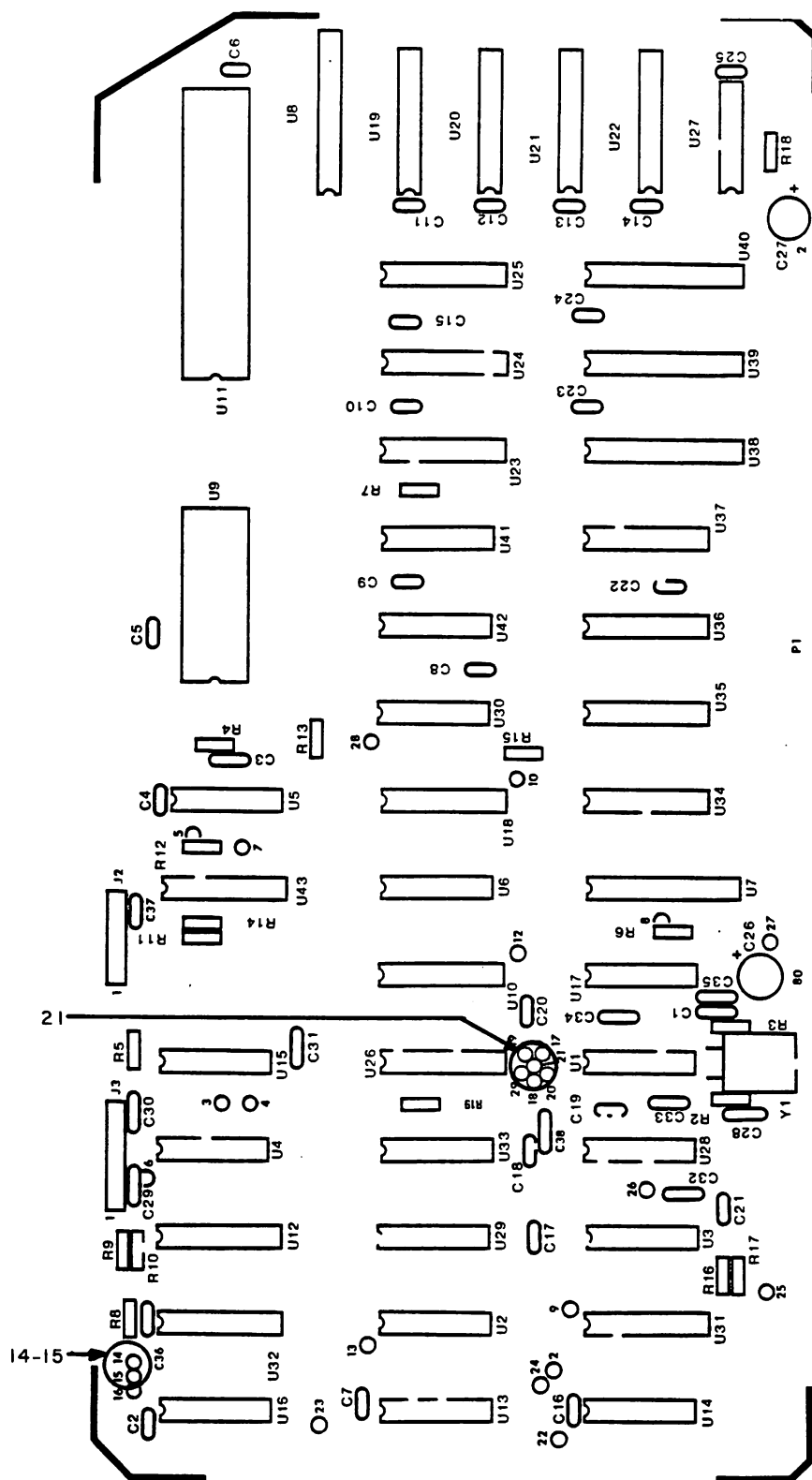


Figure 4. Keyboard/Video Board (Late Style Labeled LEIMV-1 1082).

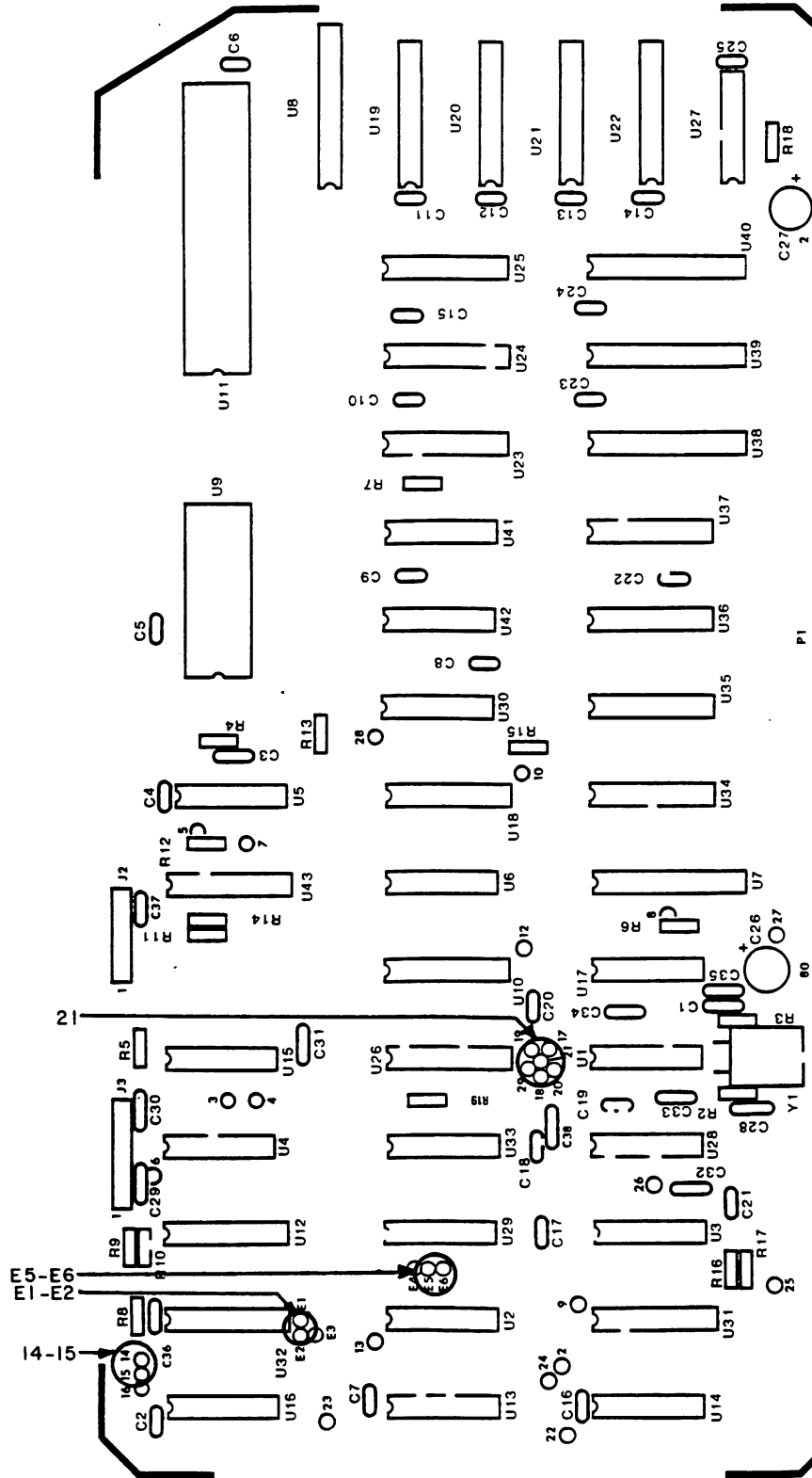


Figure 5. Keyboard/Video Board (Model 12/16B).

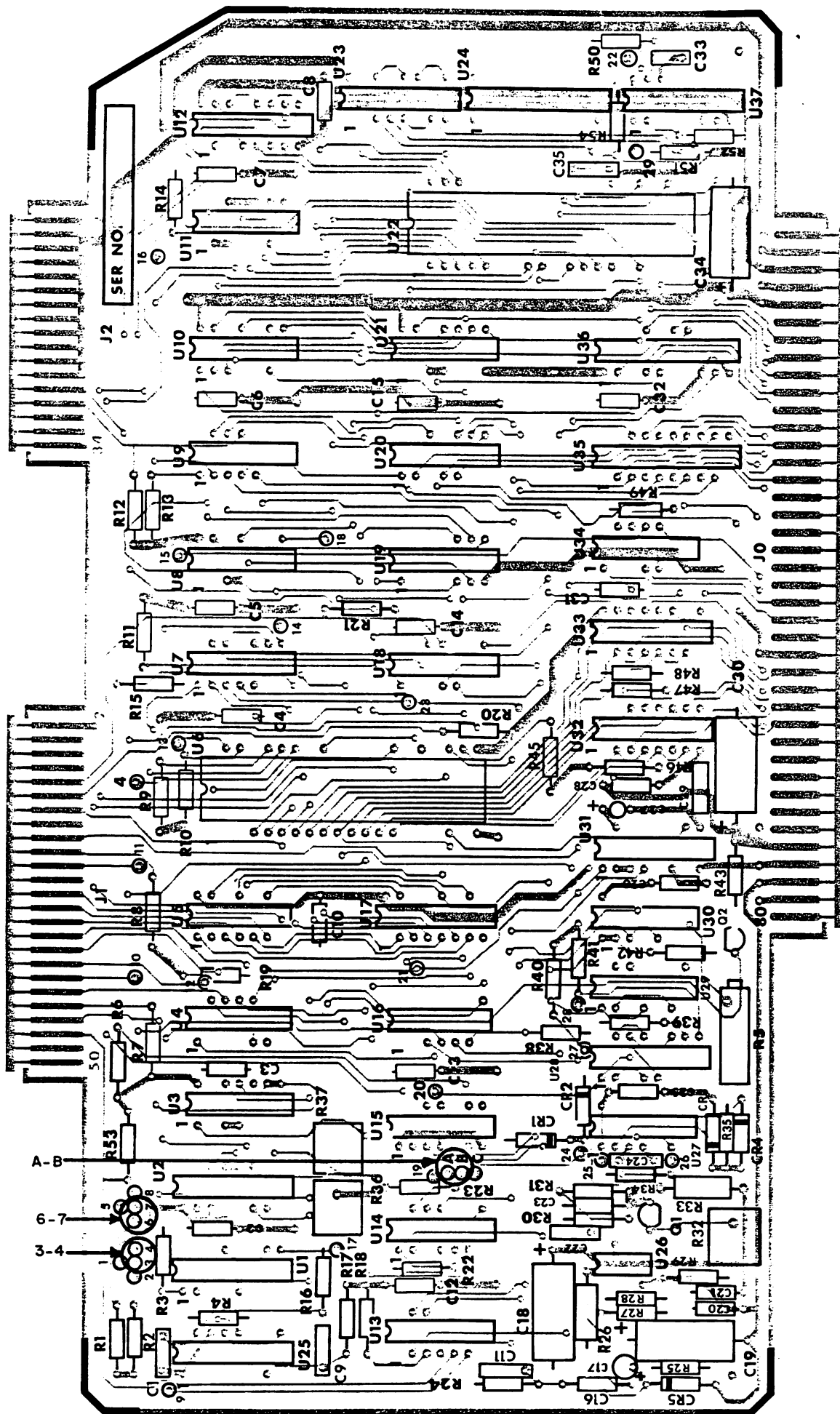


Figure 6. FDC Board (Early Style).

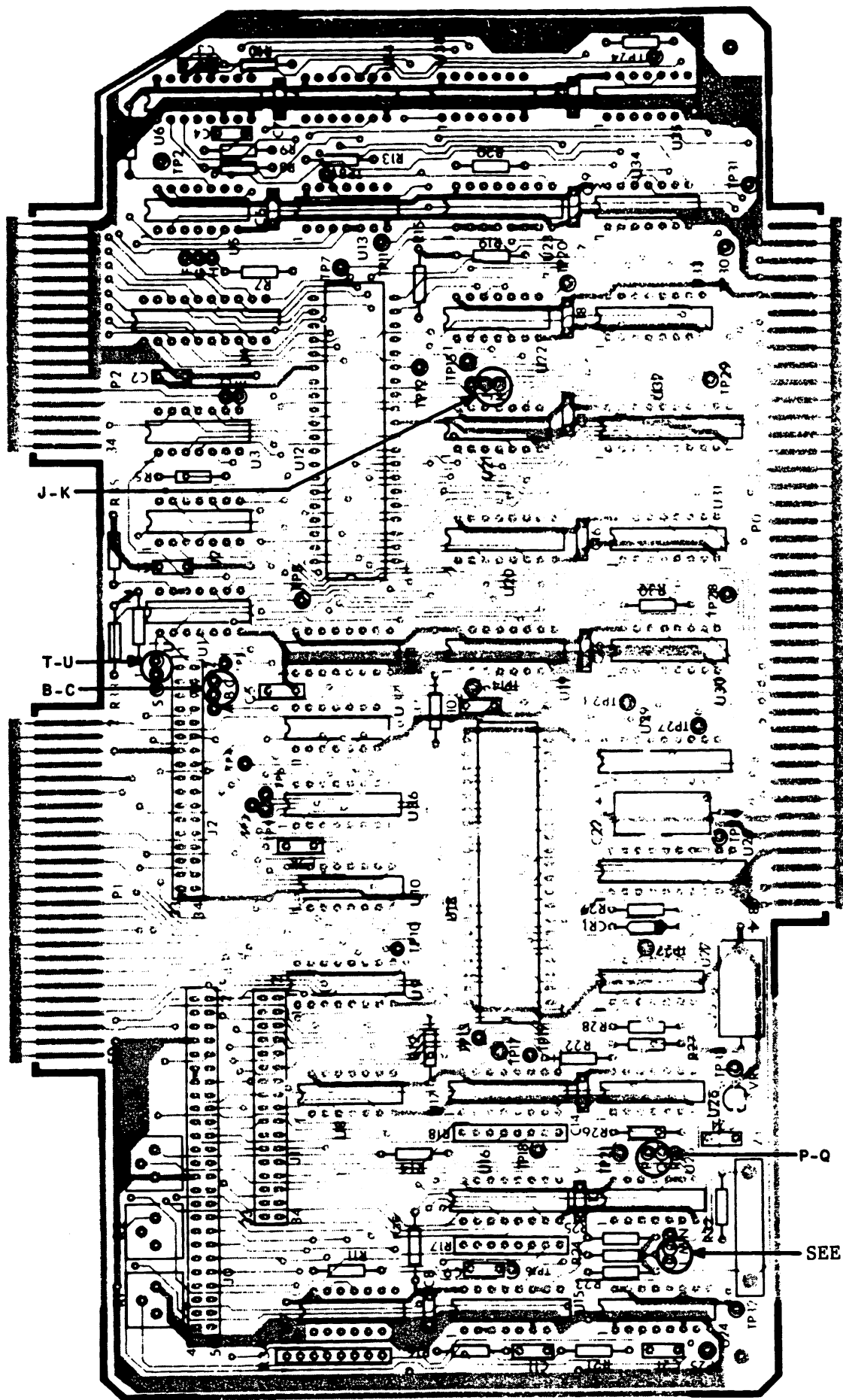


Figure 7. FDC Board (Late Style for Model II).

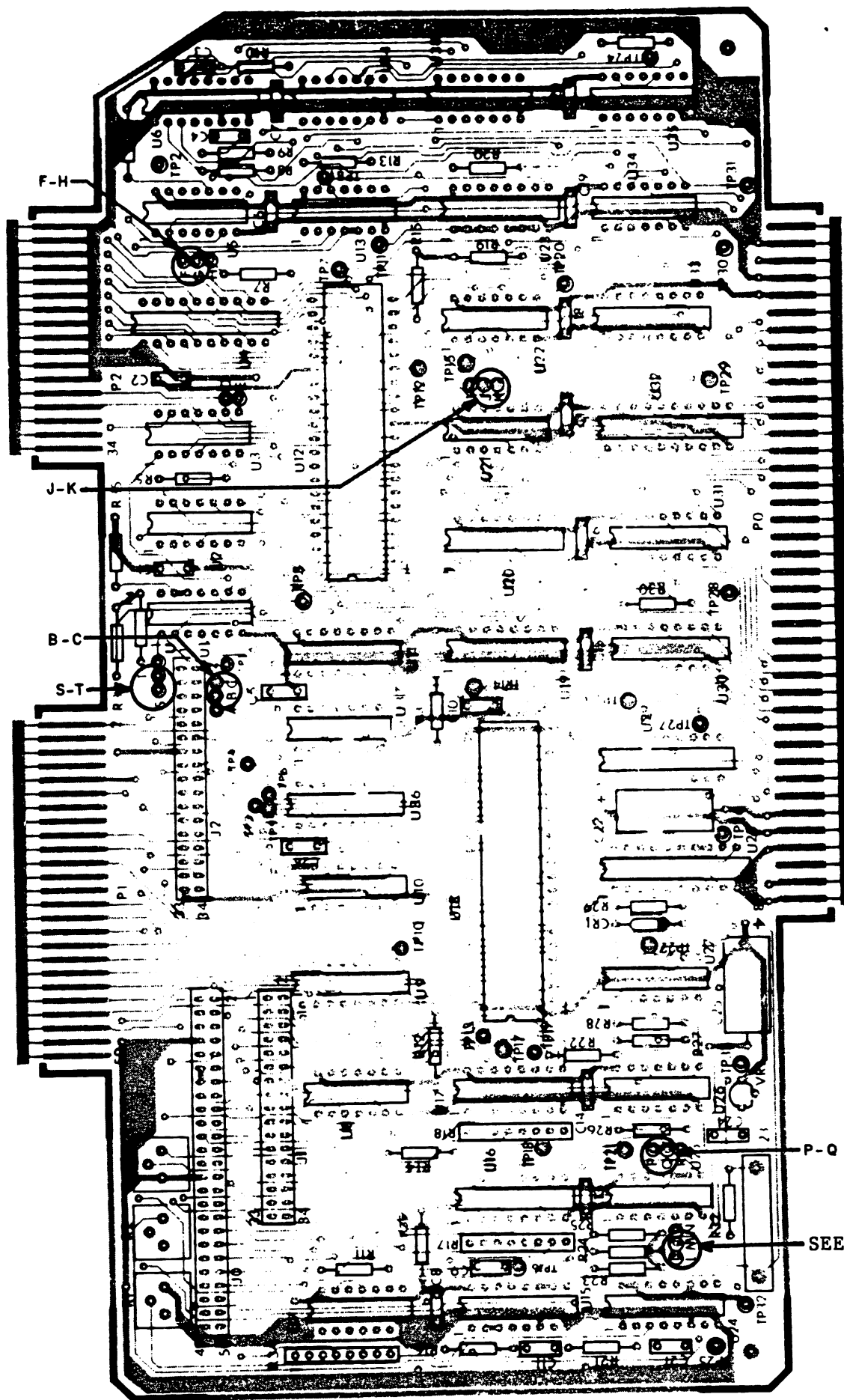


Figure 8. FDC Board (Late Style for Model 16).

SEE TEXT

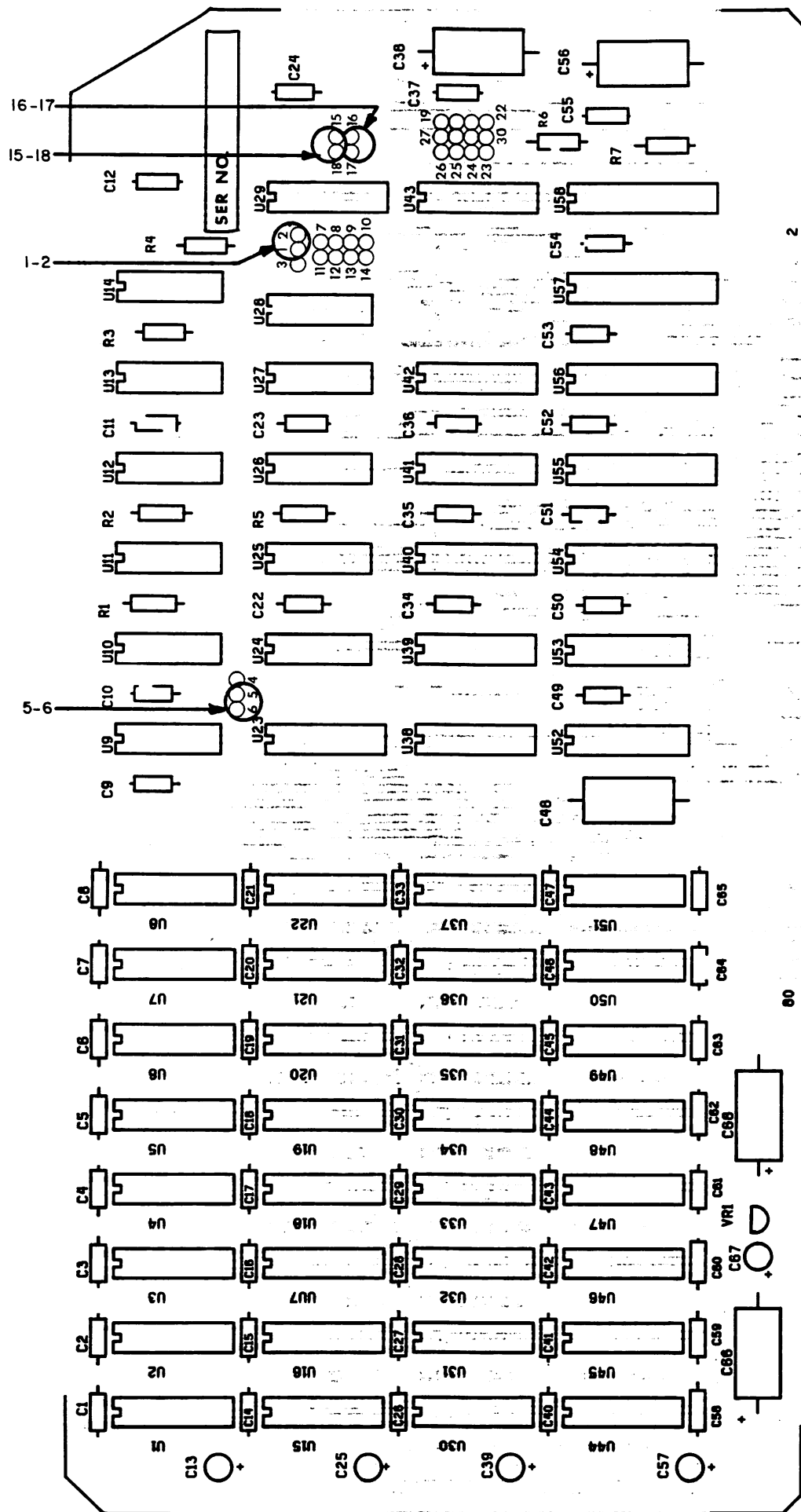


Figure 9. First 32K Memory Board.

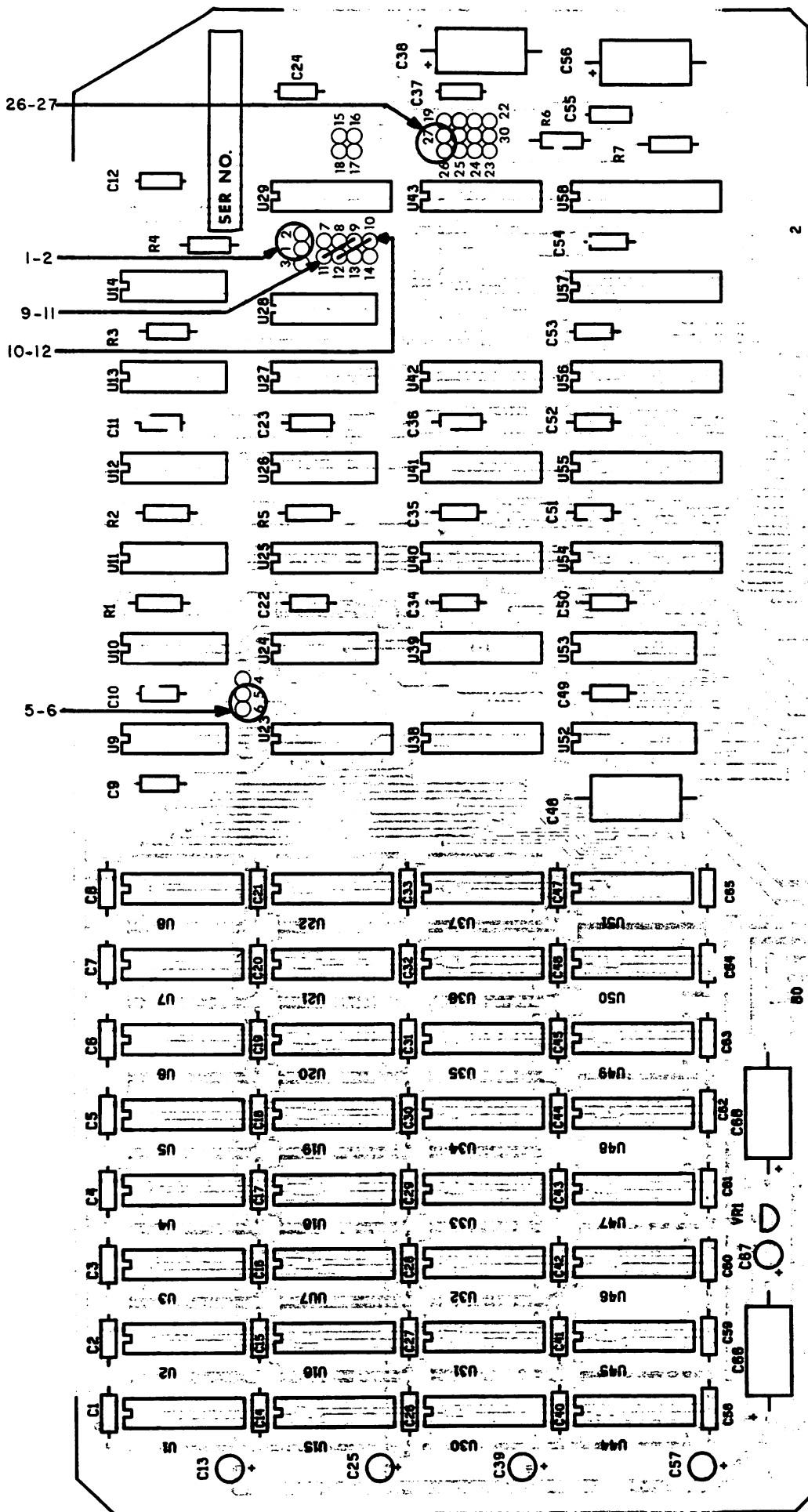


Figure 10. Second 32K Memory Board.

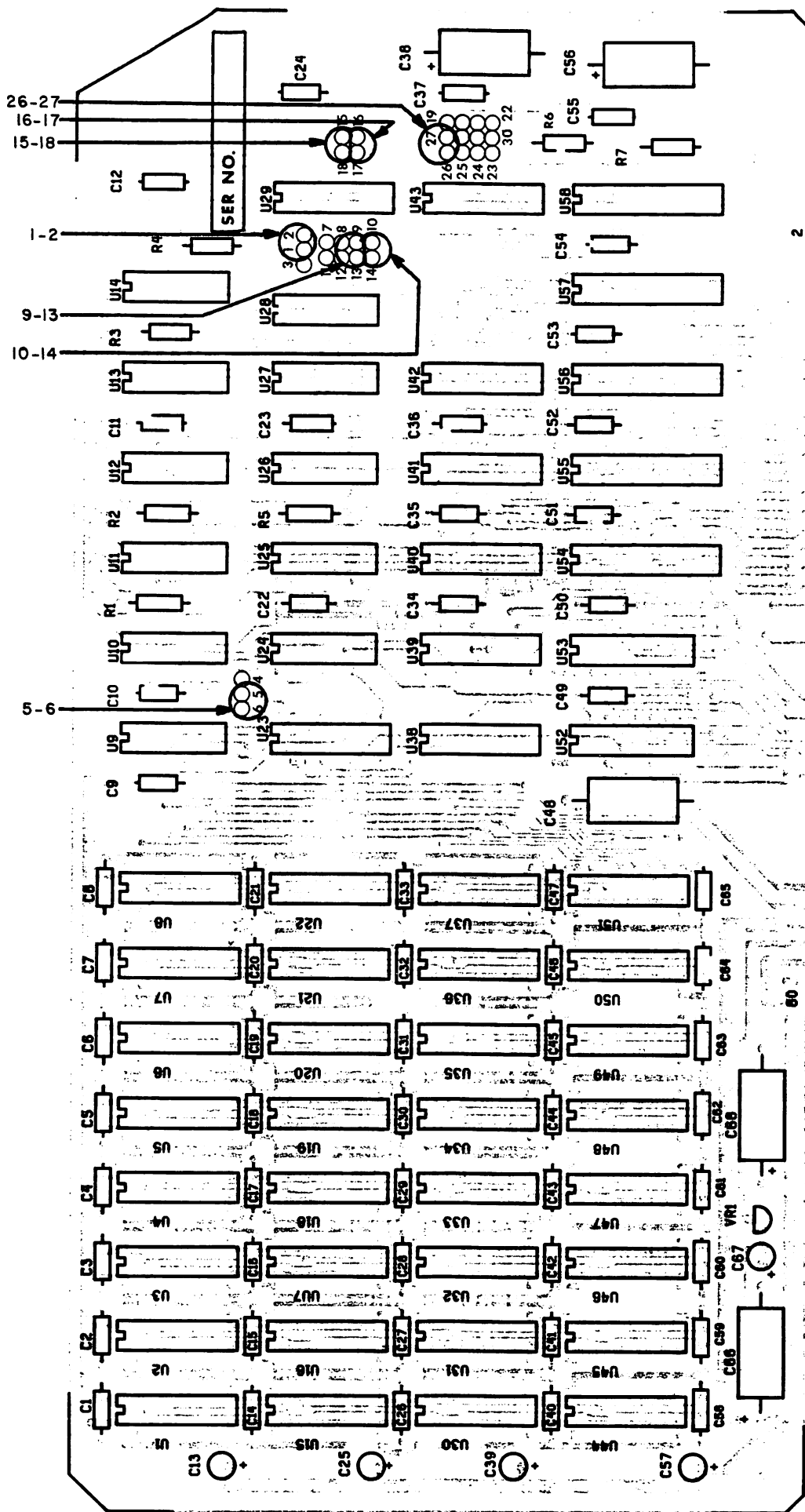


Figure 11. First 64K Memory Board.

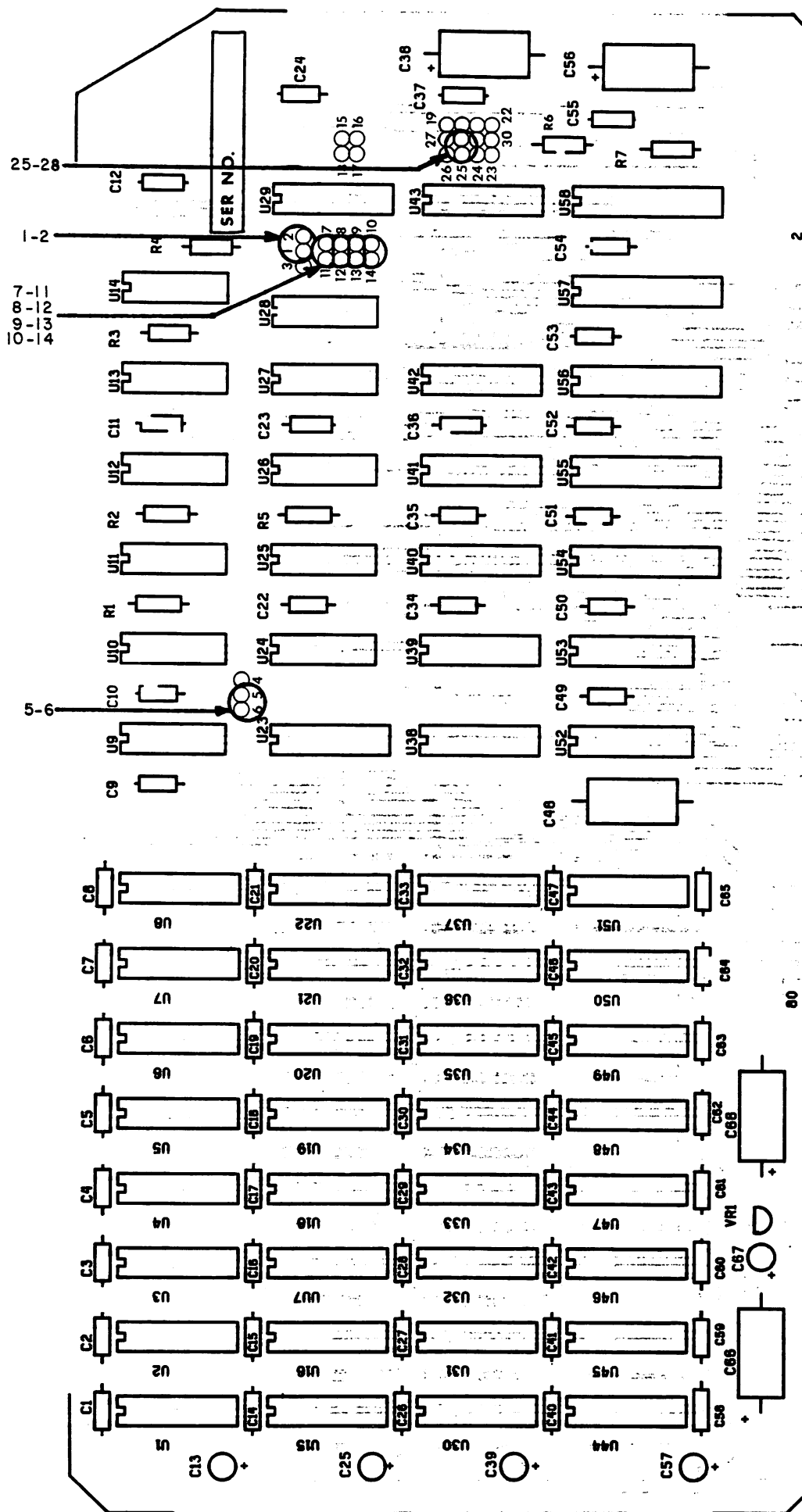


Figure 12. Visicalc 64K Memory Board.

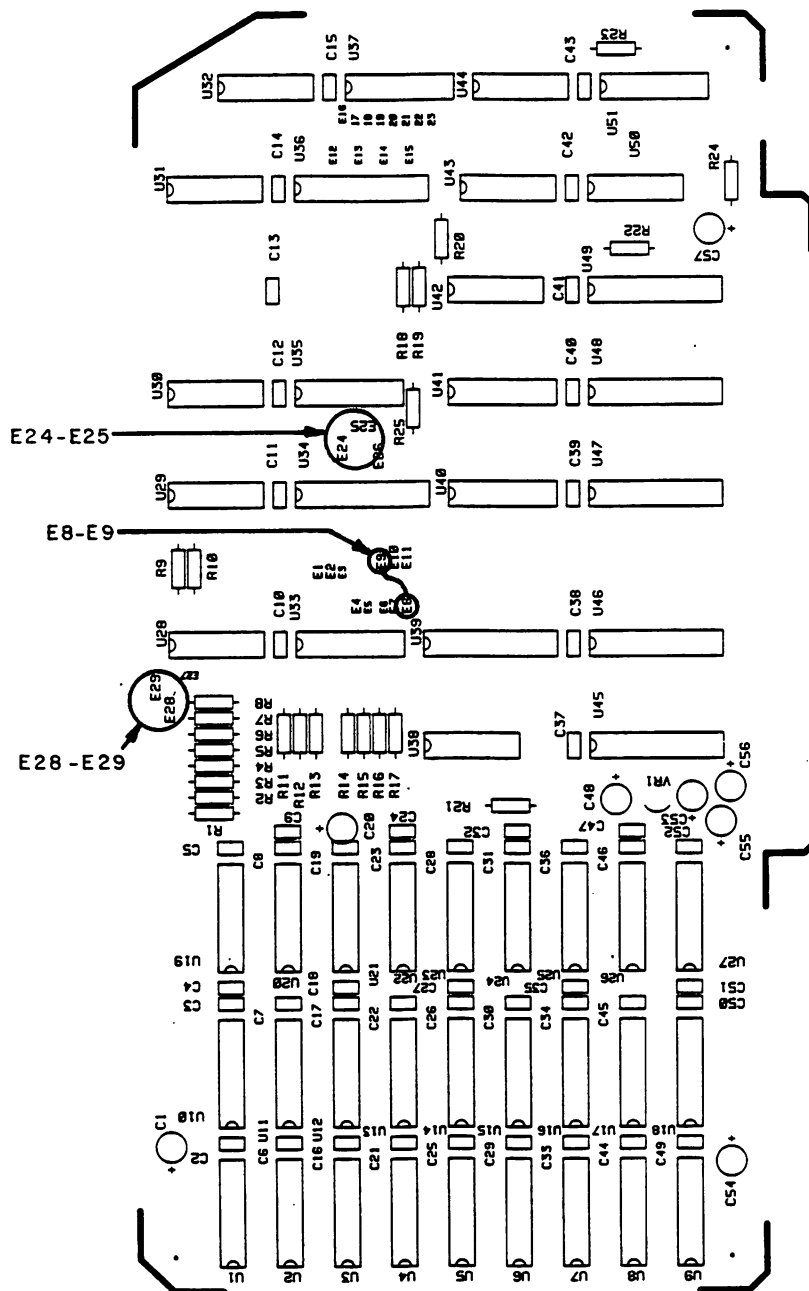


Figure 13. 144K Board Jumpered for Arcnet.

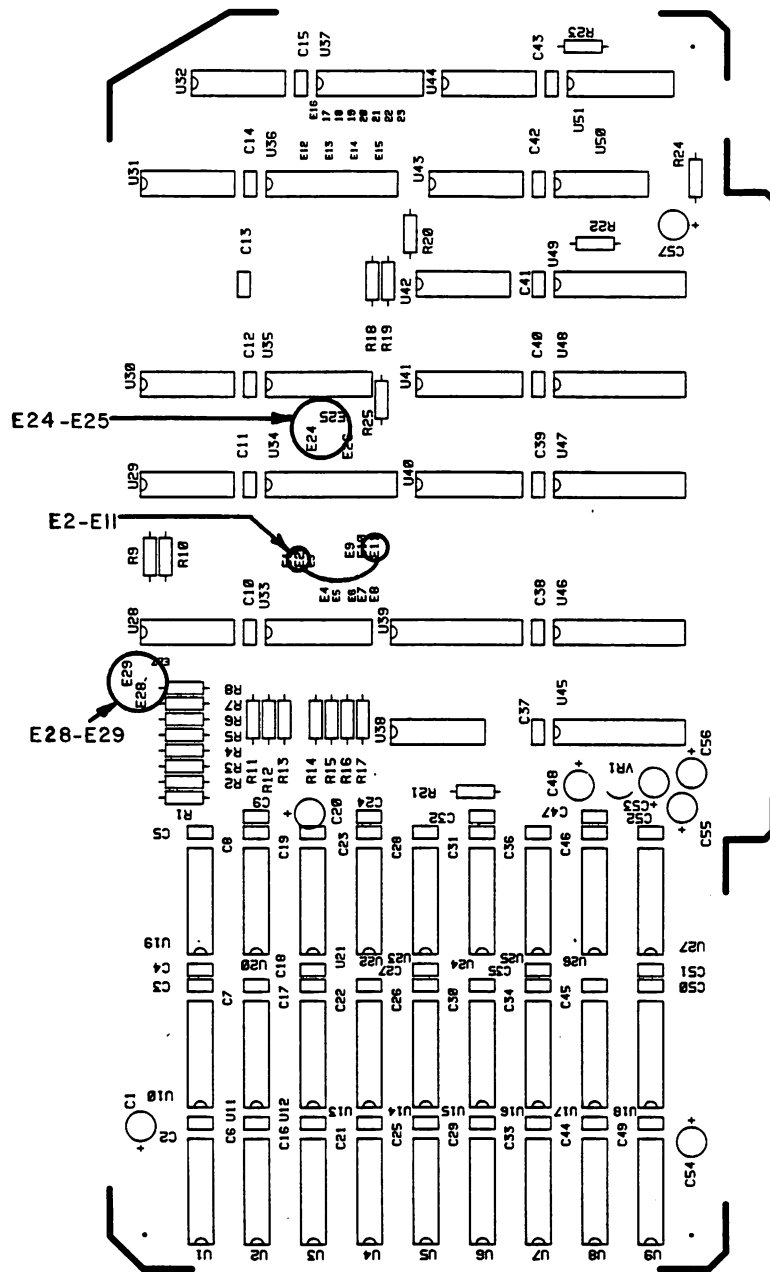


Figure 14. 144K Board Jumpered for Visicalc.

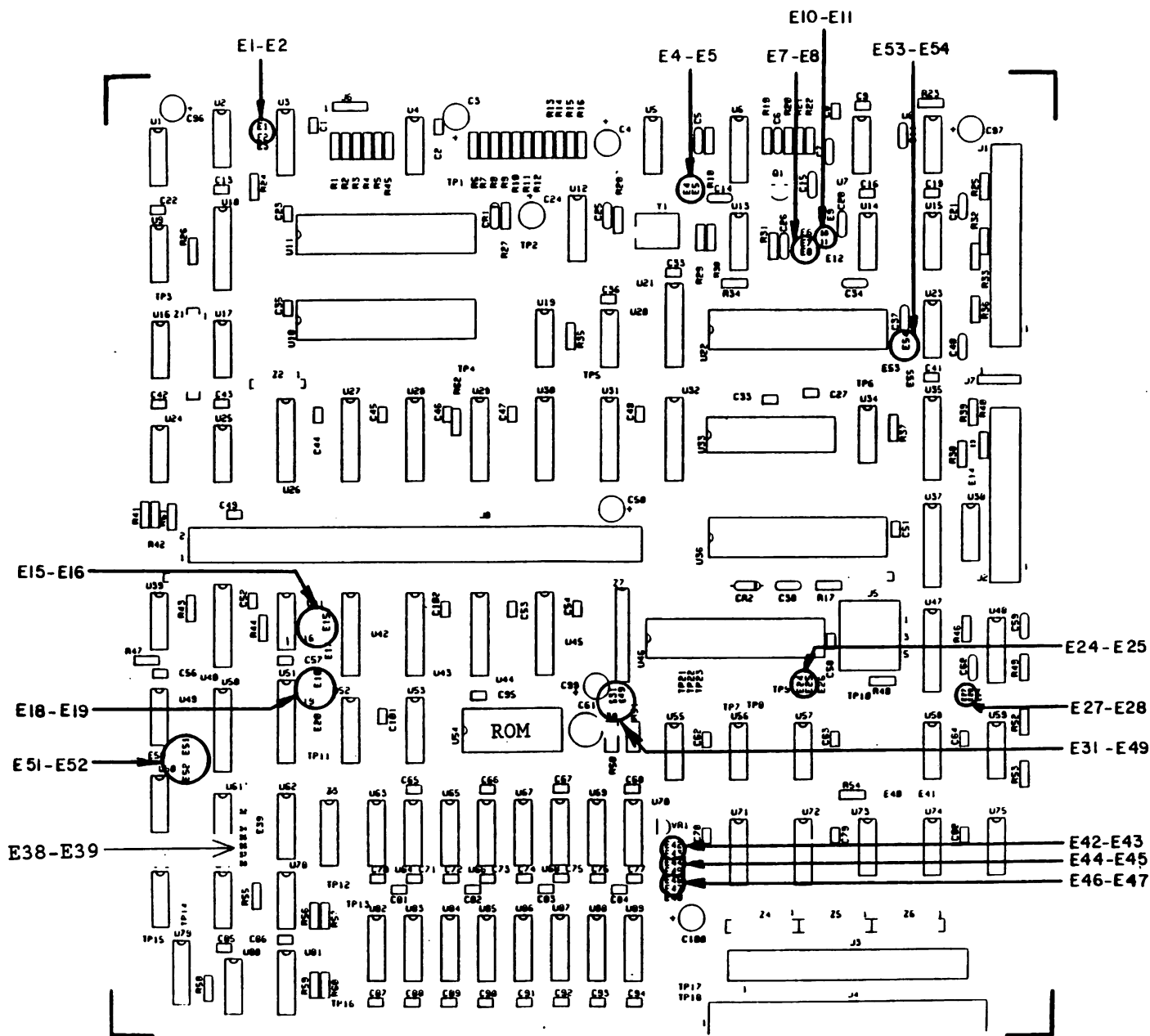


Figure 15. Model 12 Main Logic Board.

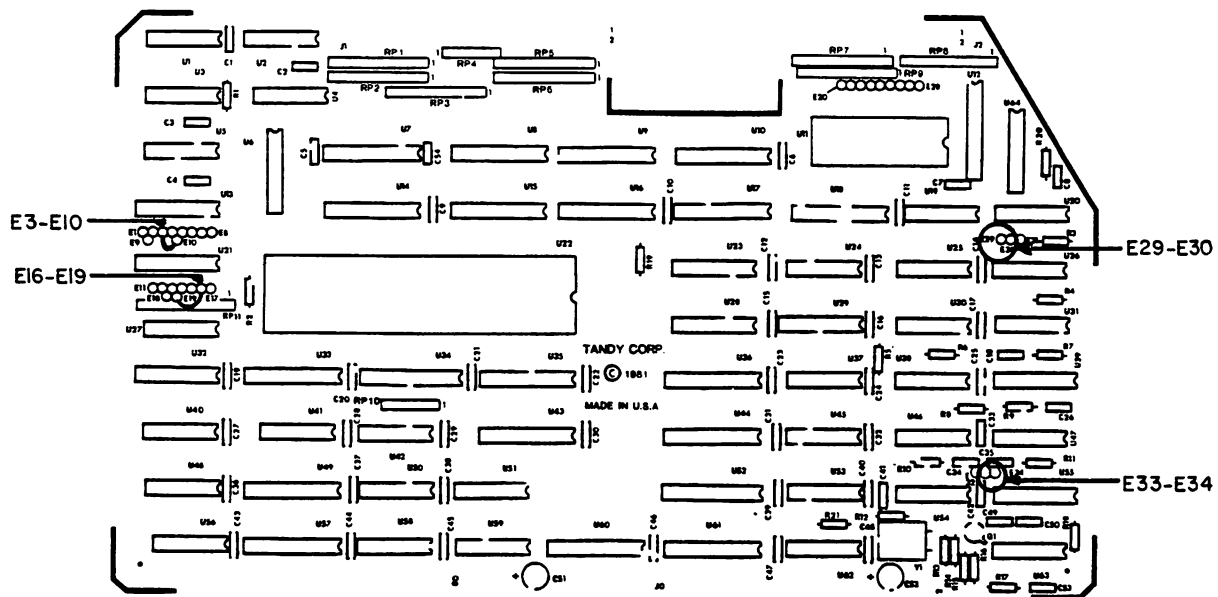


Figure 16. 68000 CPU Board.

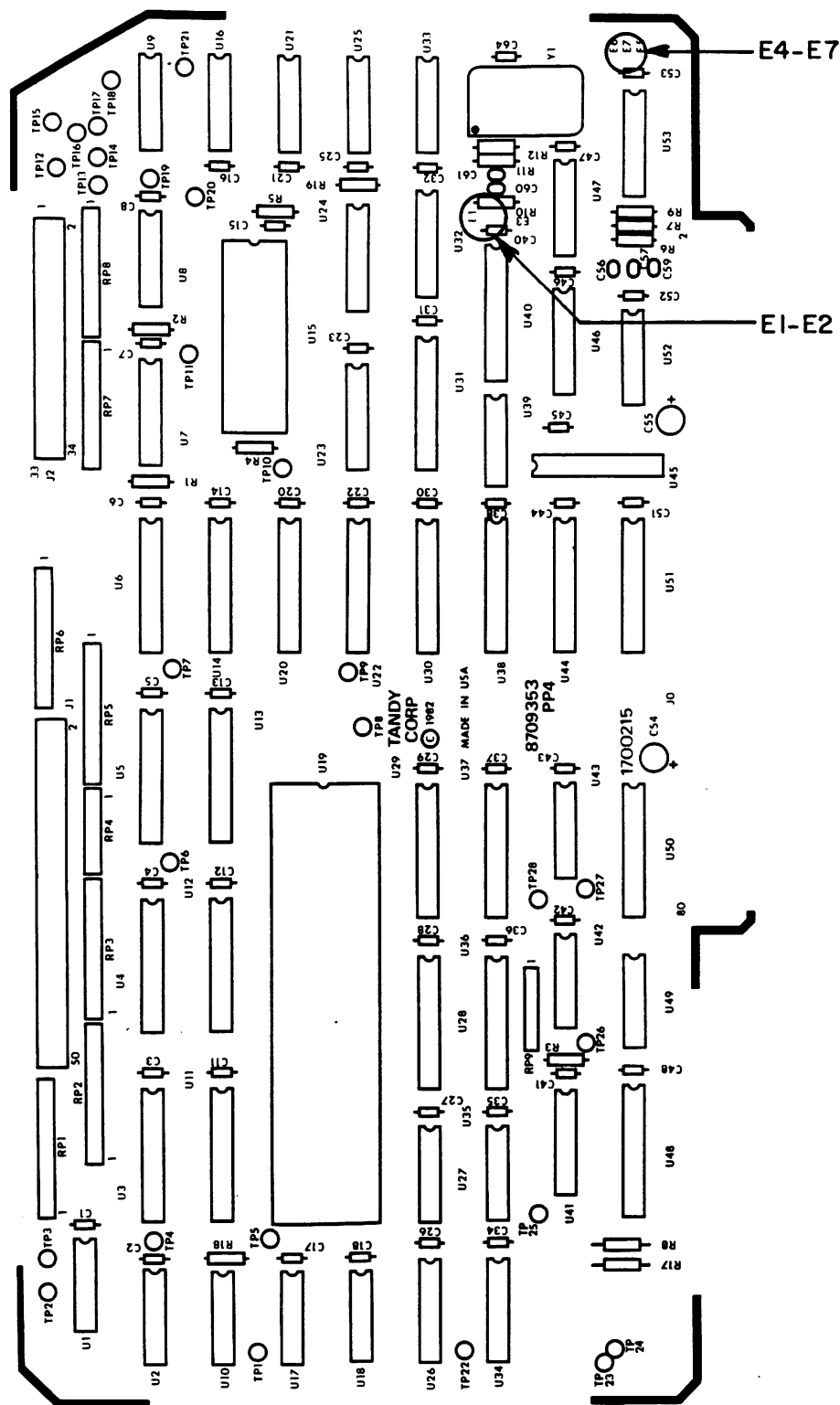


Figure 17. Reduced Size 68000 CPU Board.

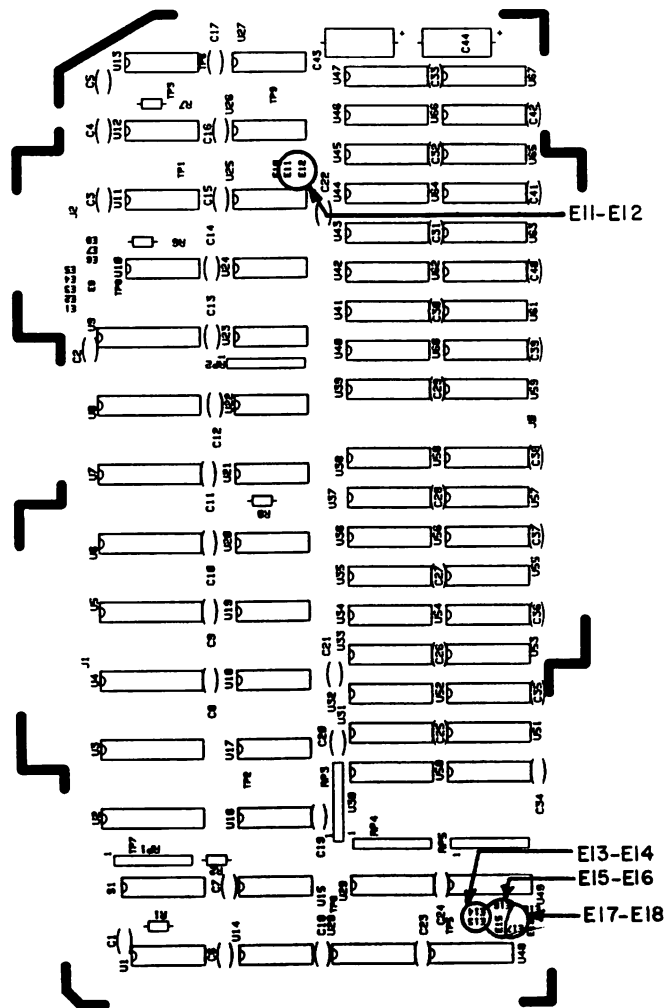


Figure 18. 68000 Memory Board.

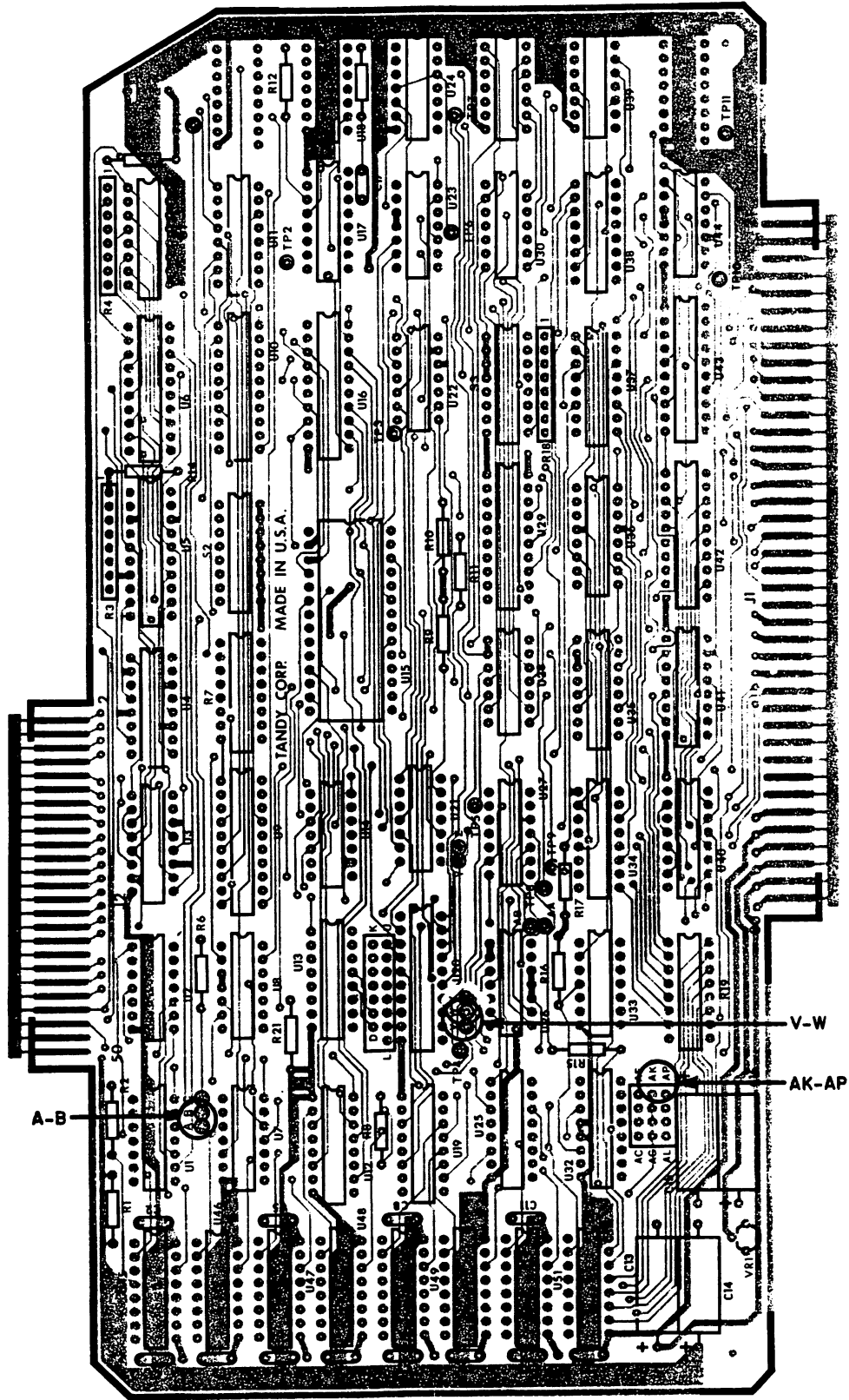


Figure 19. 8 MEG Hard Disk Interface In Model II/16/16B.

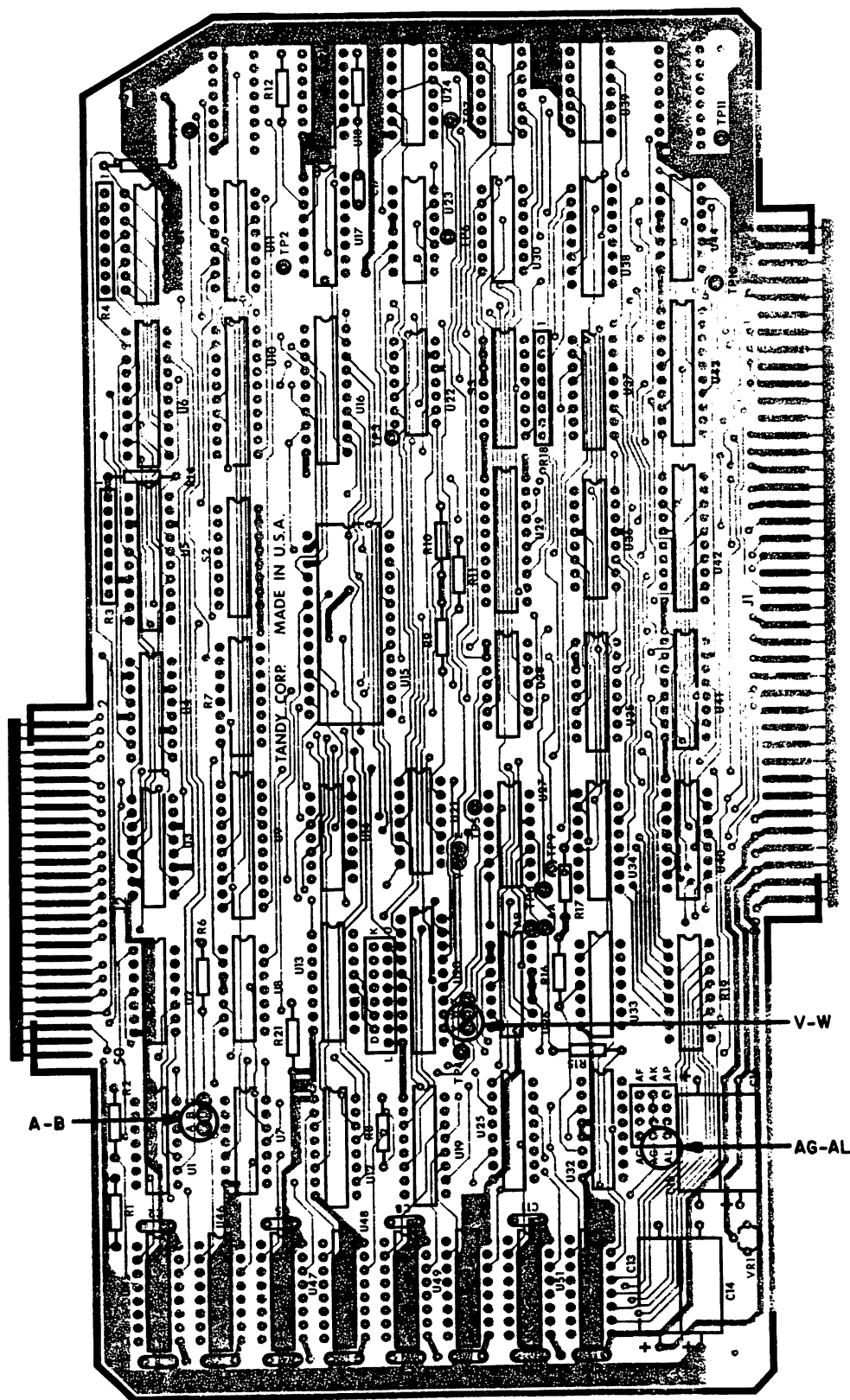


Figure 20. 8 MEG Hard Disk Interface In Model 12.

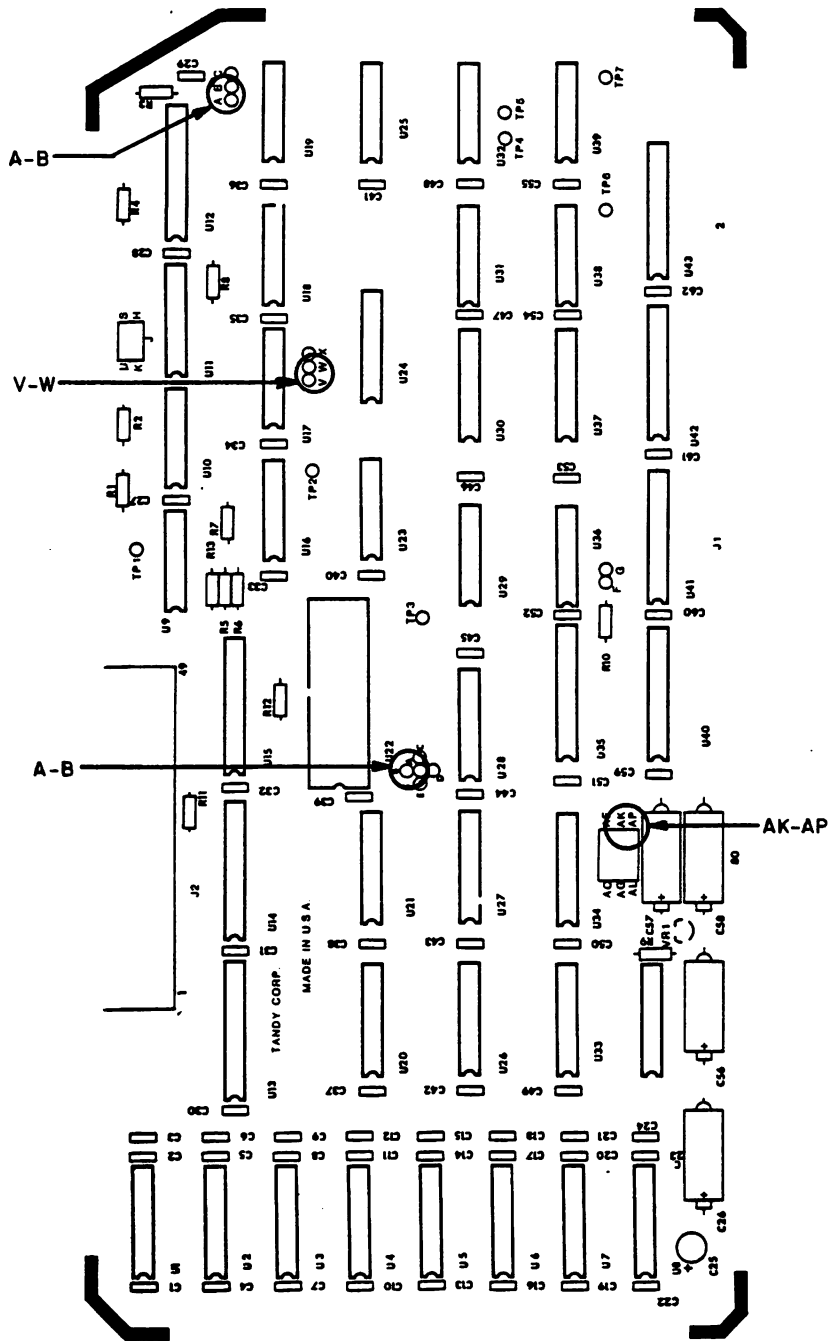


Figure 21. 12 MEG Hard Disk Interface In Model II/16/16B.

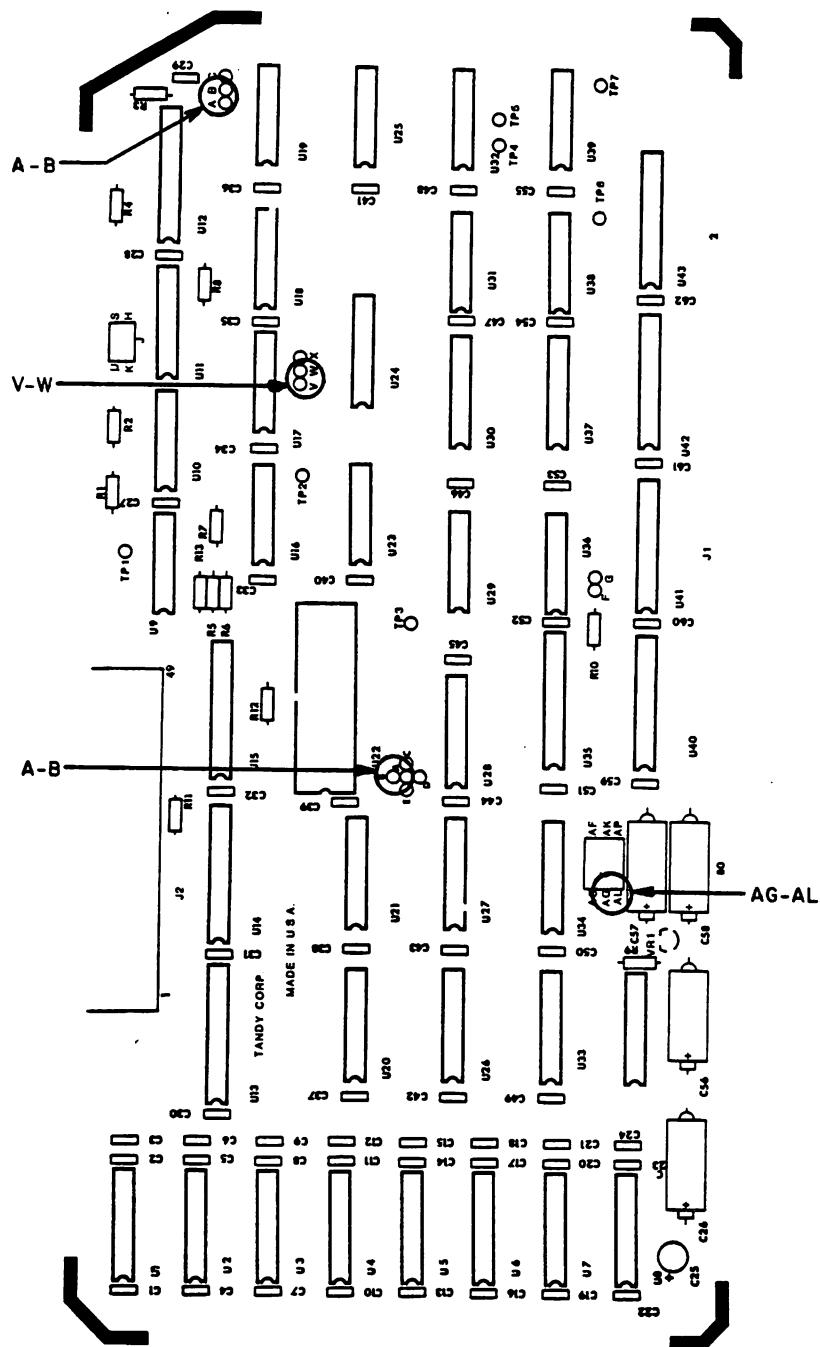
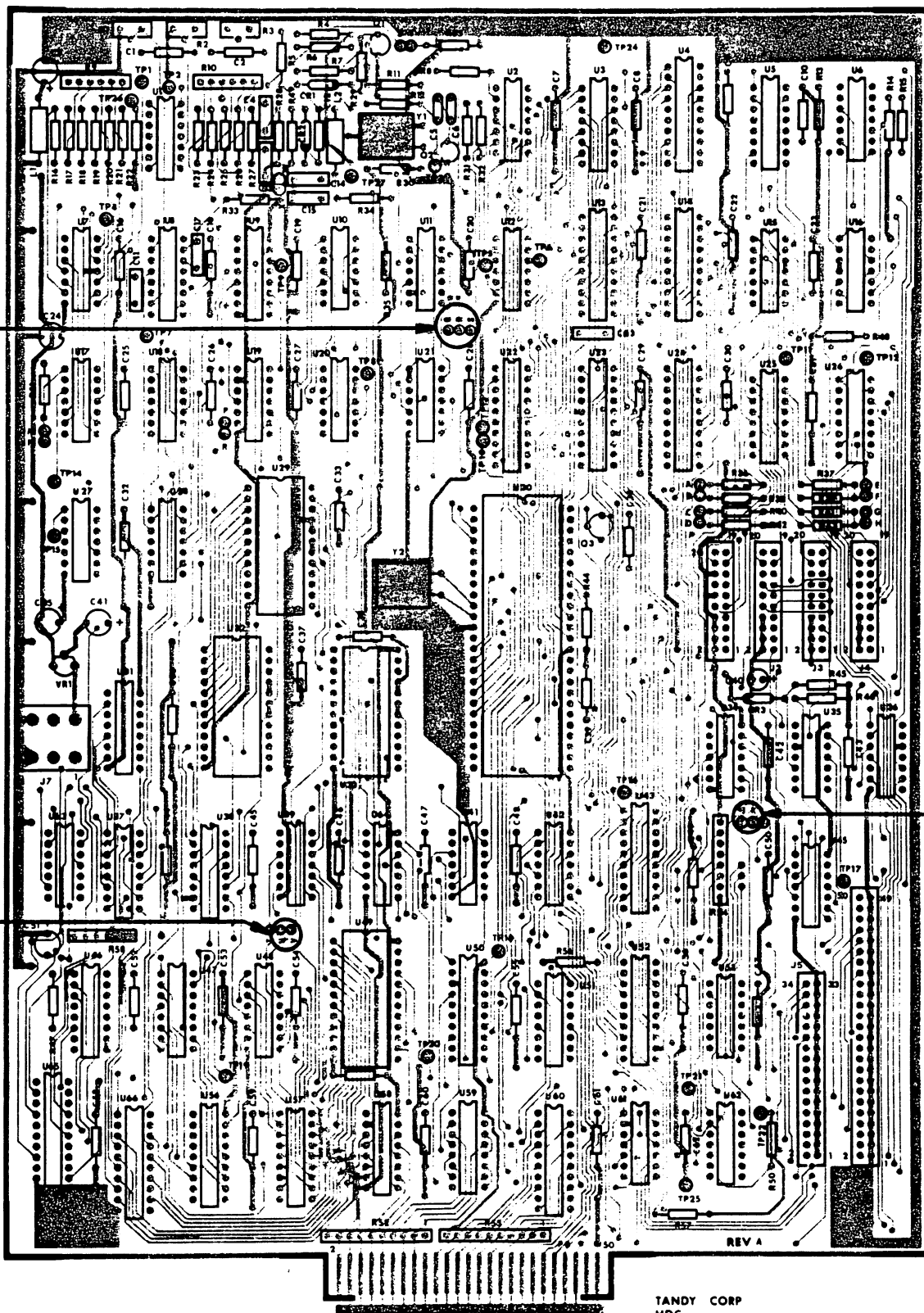


Figure 22. 12 MEG Hard Disk Interface In Model 12.

SEE
TEXT

U-V

J-K



TANDY CORP
MDC

Figure 23. 8 MEG Hard Disk Controller Board.

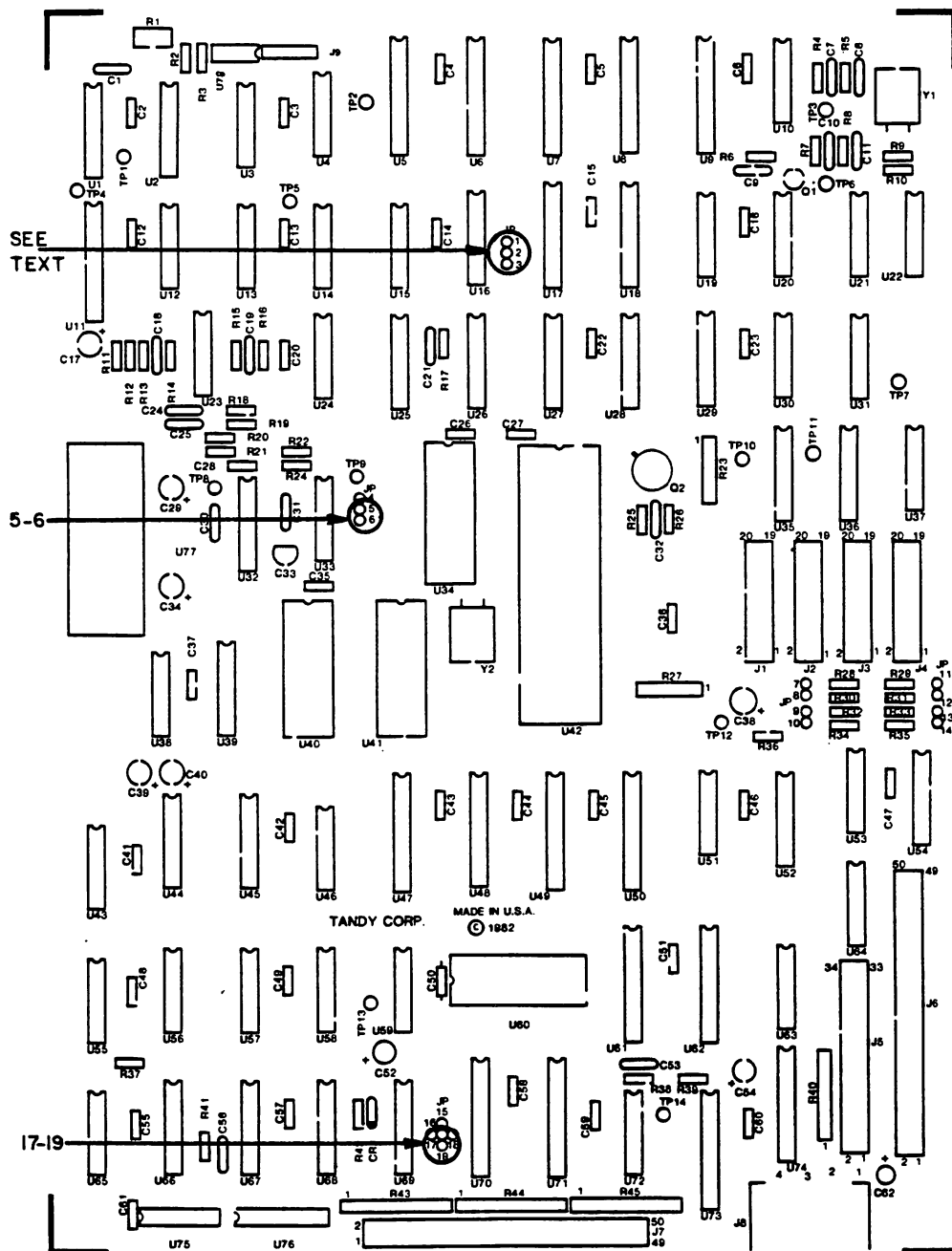


Figure 24. 5/12/External 15 MEG Hard Disk Controller Board.

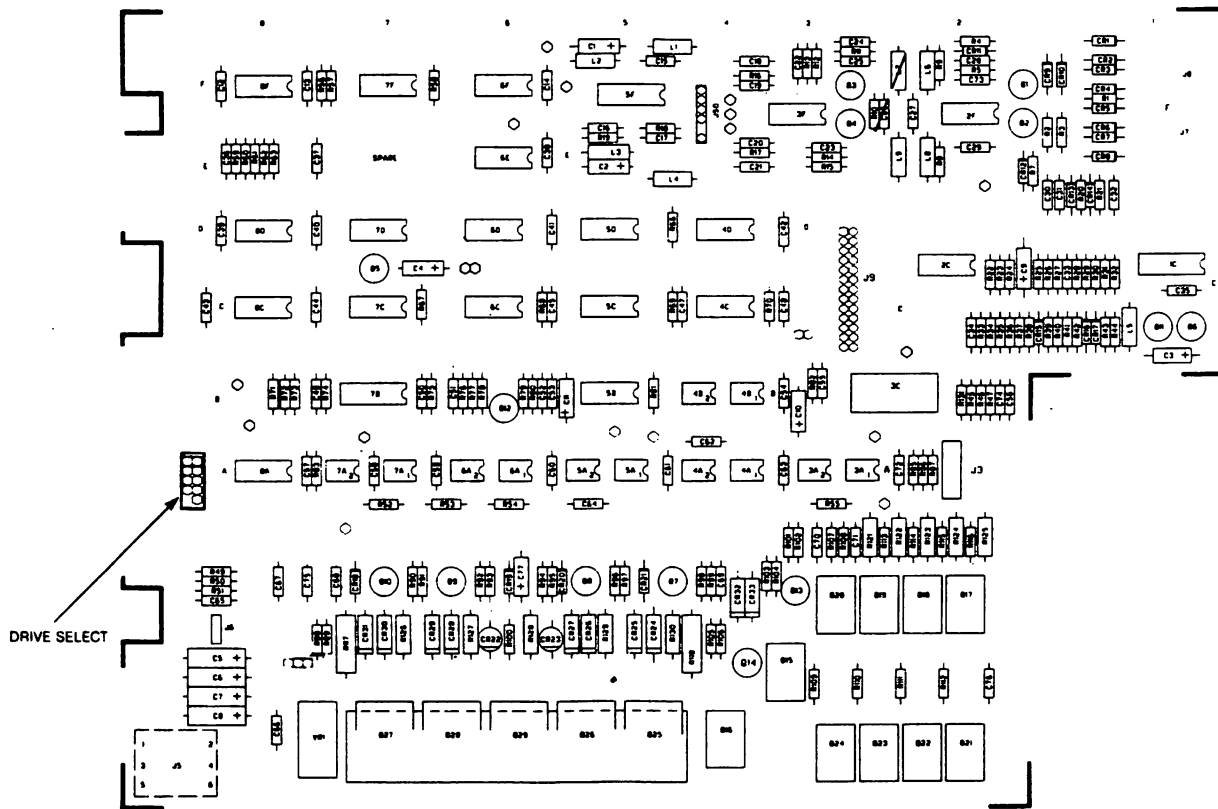


Figure 25. 8 MEG Hard Disk Drive Logic Board.

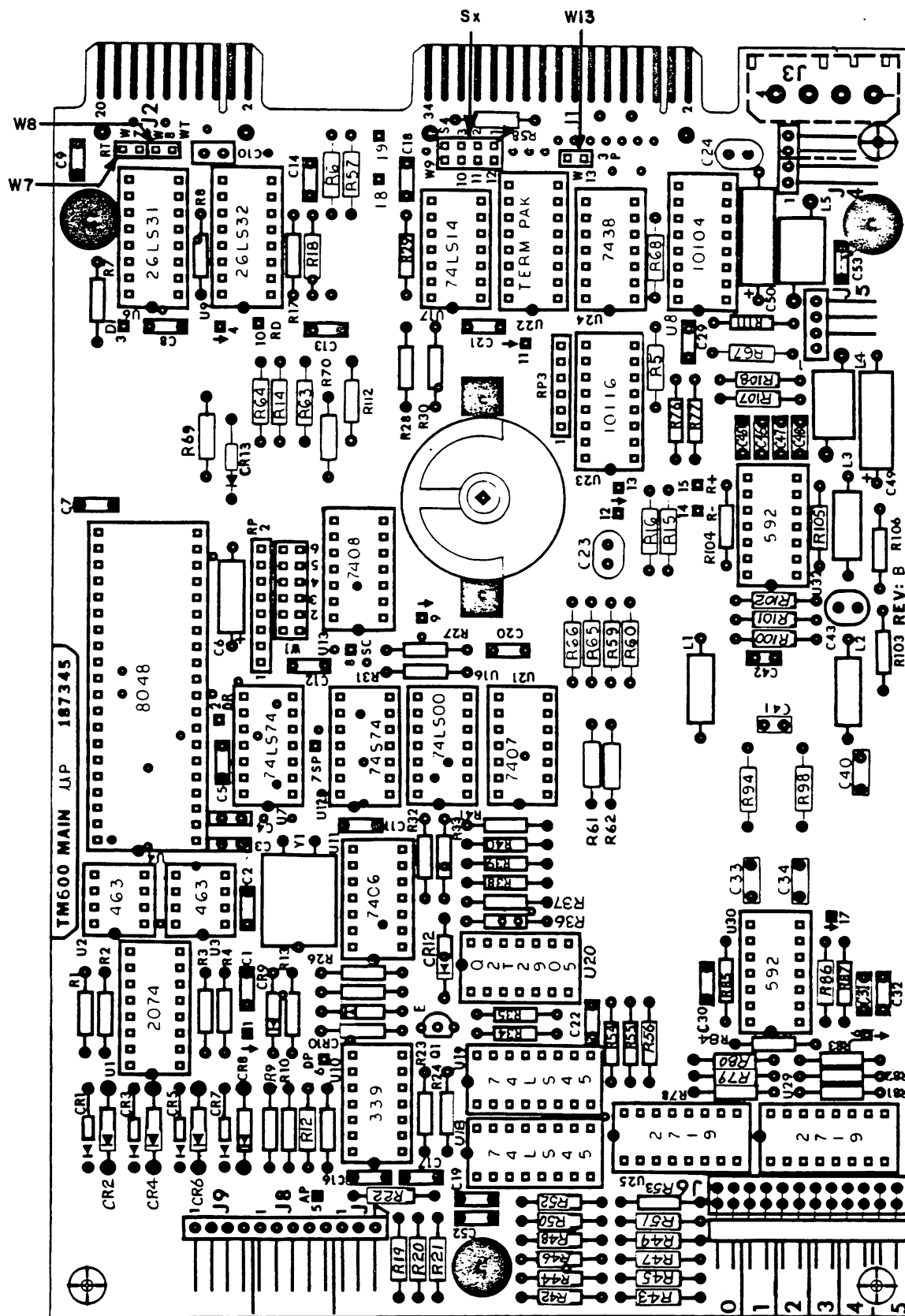


Figure 26. 12/15 MEG Hard Drive Logic Board.

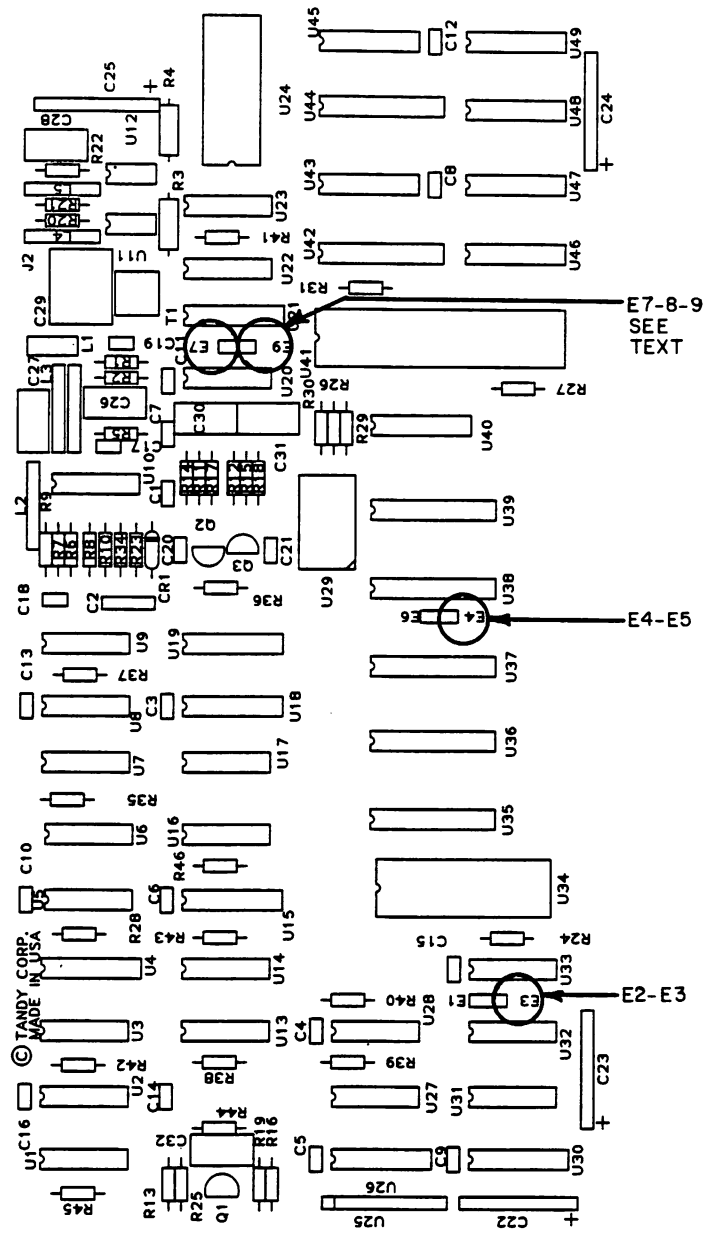


Figure 28. Arcnet Board.

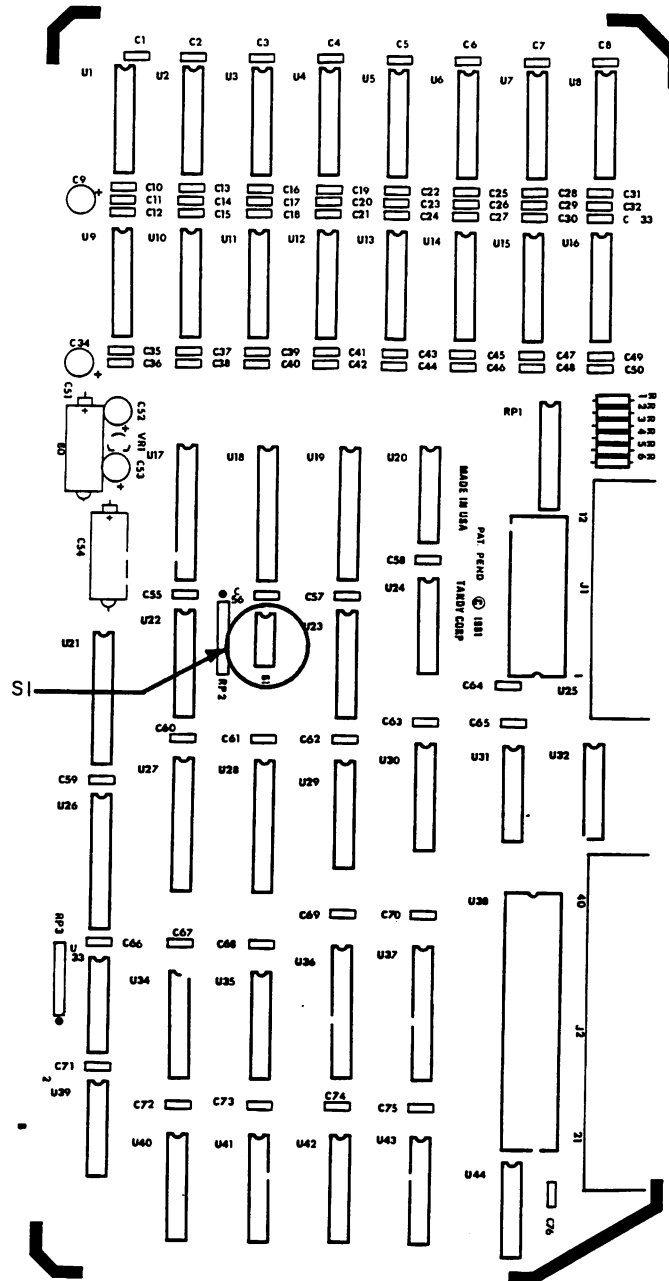


Figure 29. Hi-Res Graphics Board.

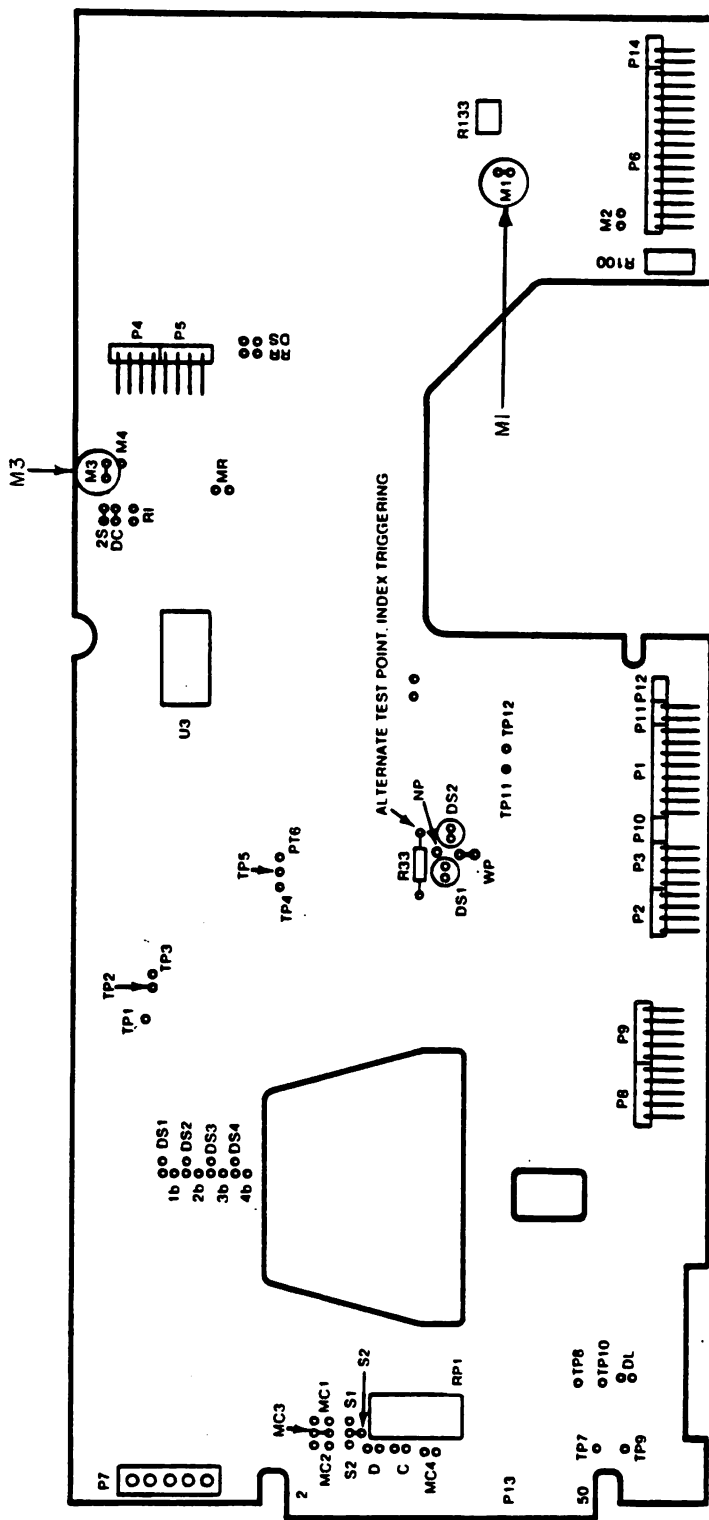


Figure 30. Tandon Thinline Floppy Drive Logic Board.

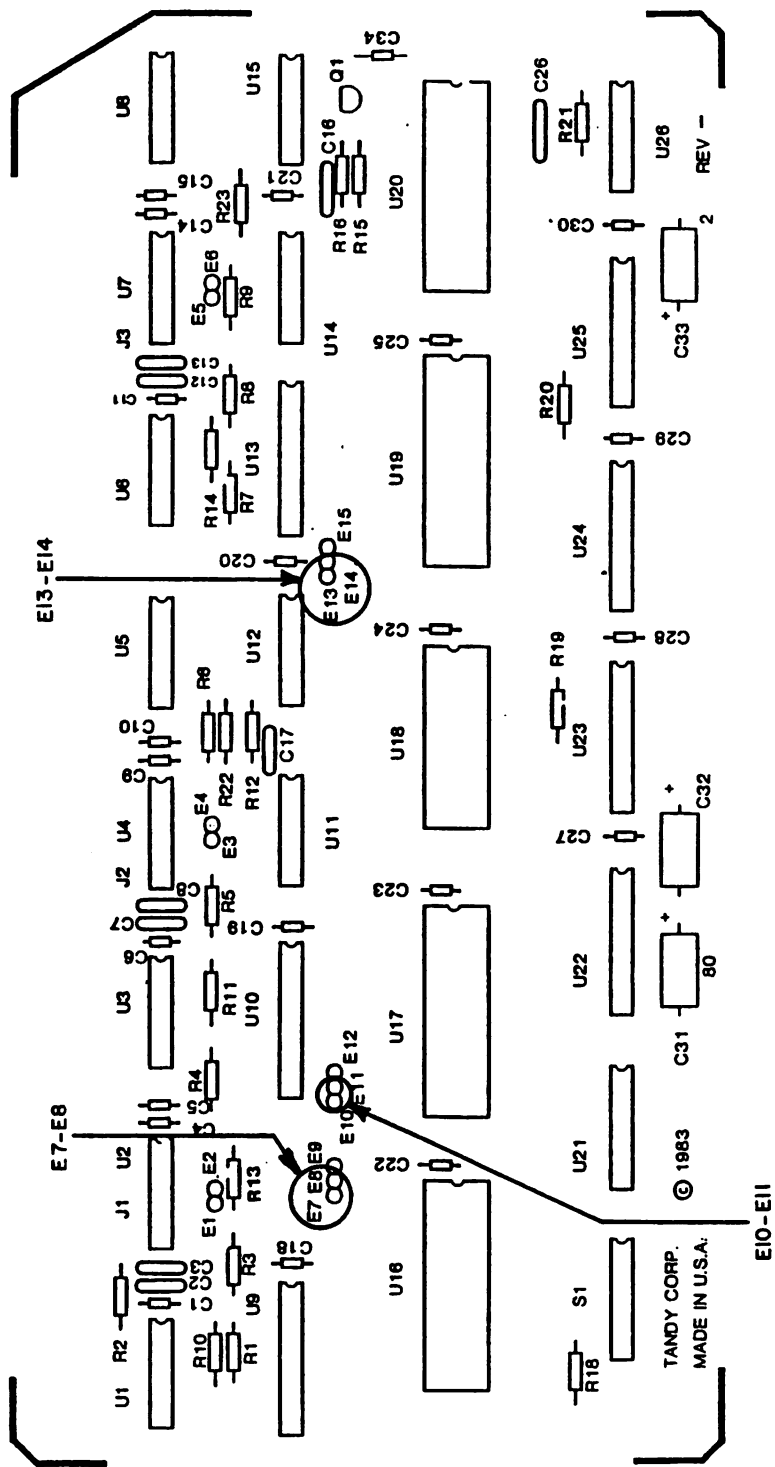


Figure 31. Multi-Terminal Board.



Figure 33. Shugart Floppy Drive Logic Board (Early Style LSI).

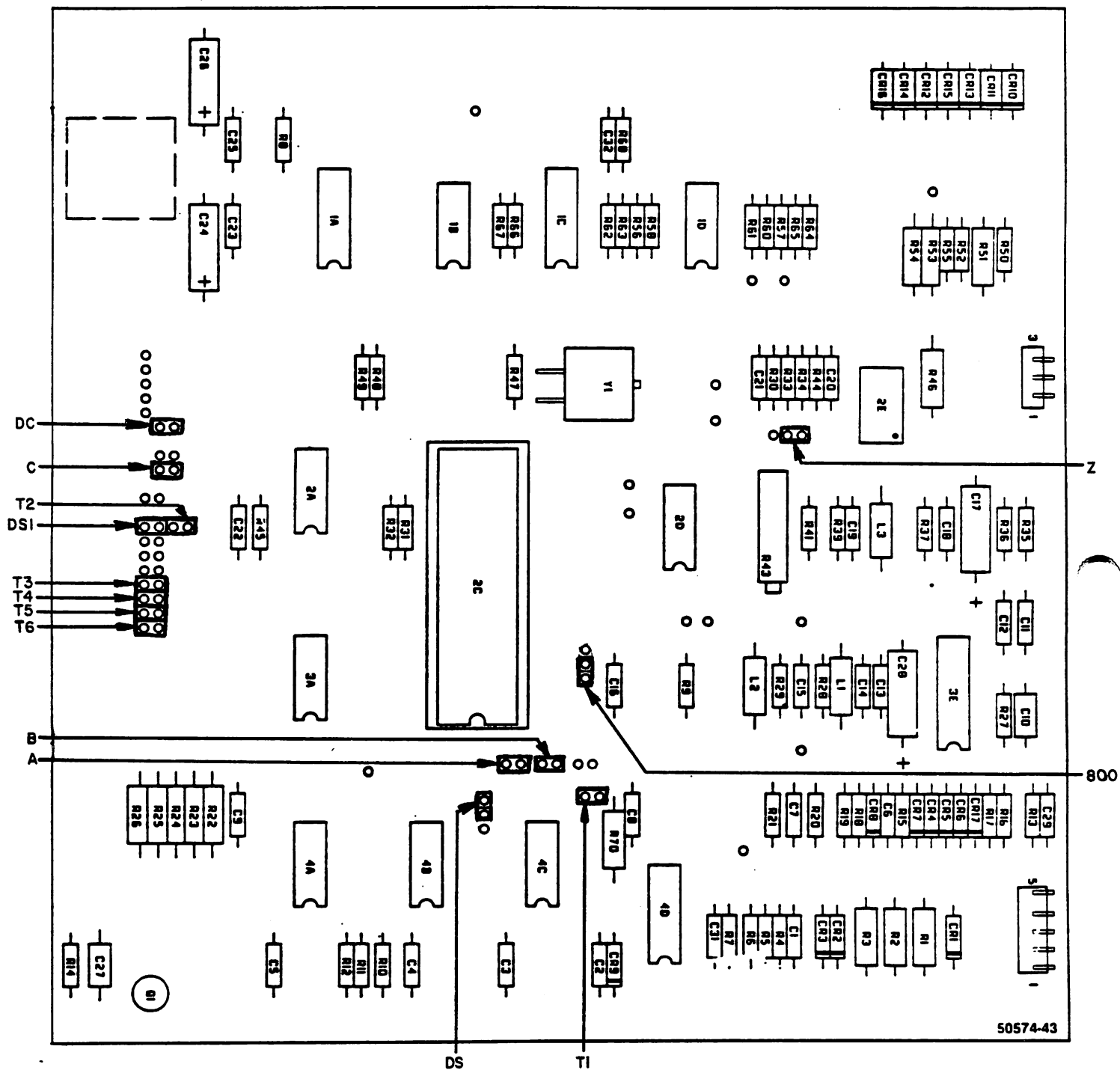


Figure 34. Shugart Floppy Drive Logic Board (Late Style LSI).

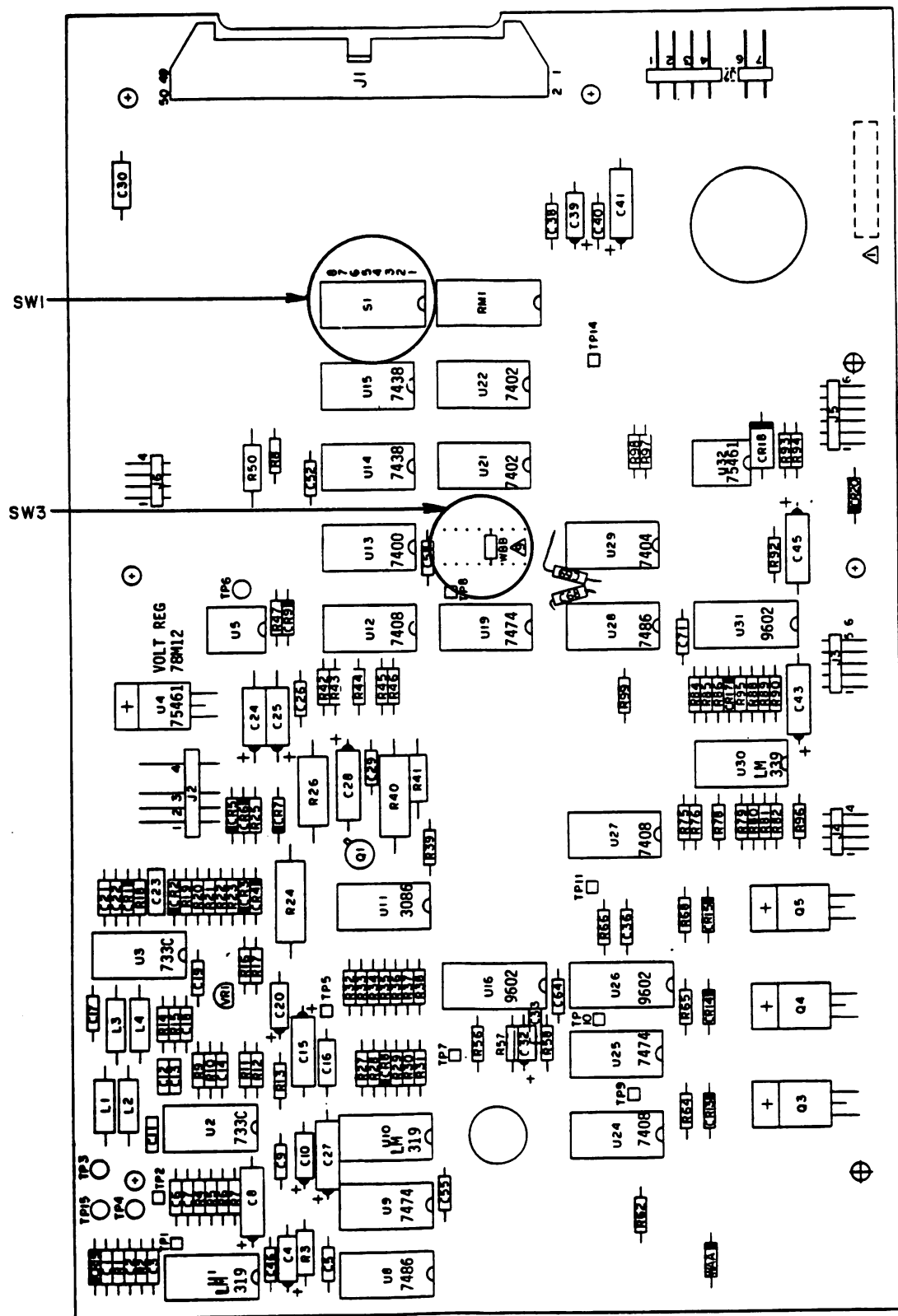


Figure 35. CDC Floppy Drive Logic Board (Discrete)

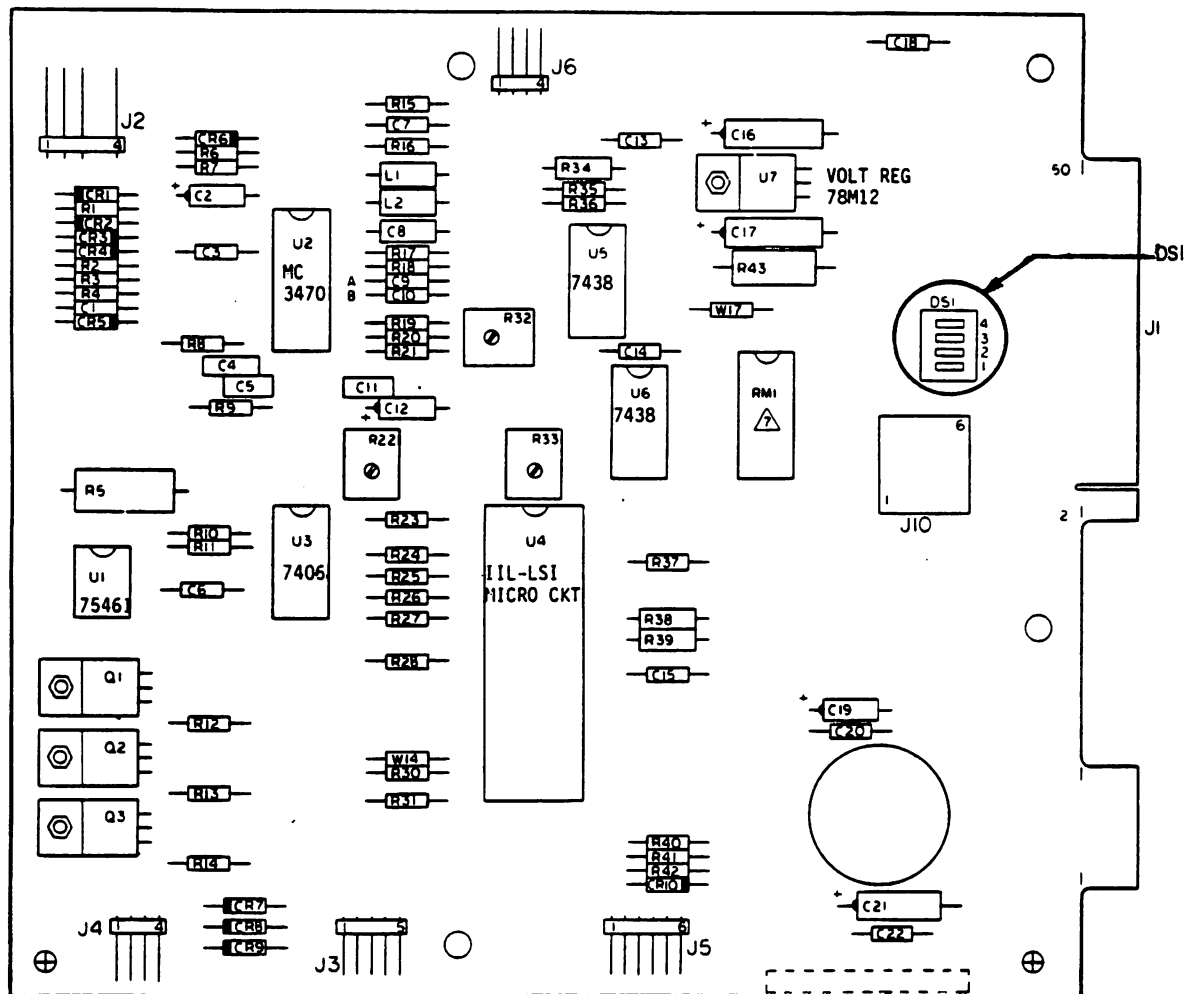


Figure 36. CDC Floppy Drive Logic Board (LSI).

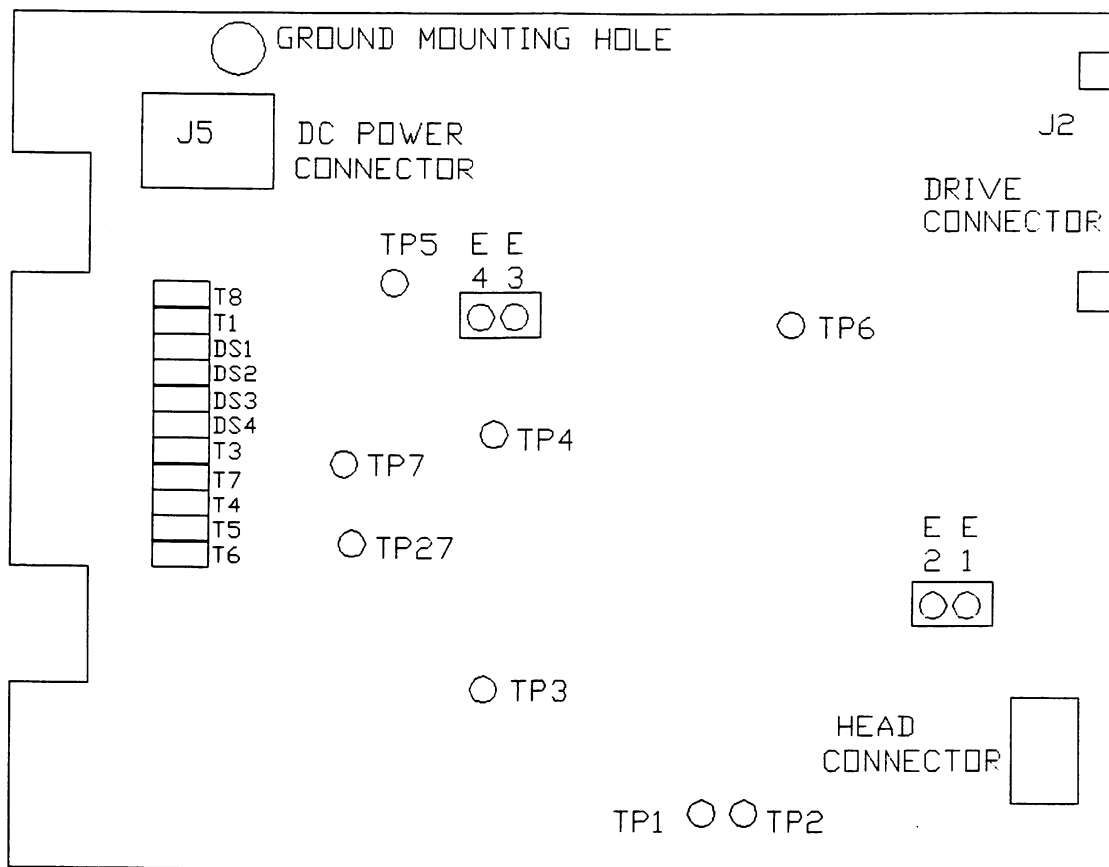


Figure 37. TPI Drive Logic Board

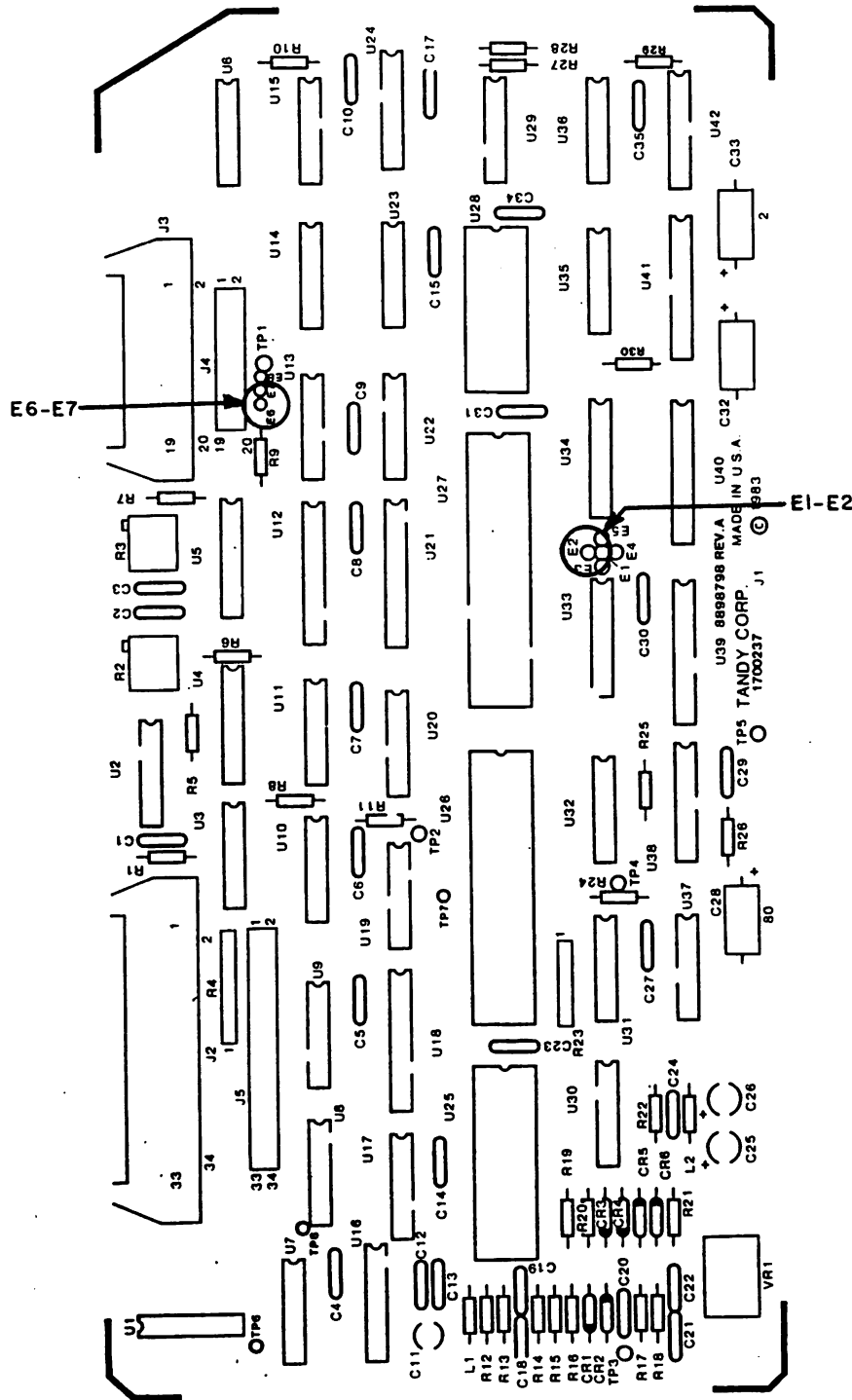


Figure 38. 15 MEG Internal Hard Disk Controller/Interface Board.

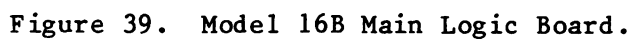


Figure 39. Model 16B Main Logic Board.

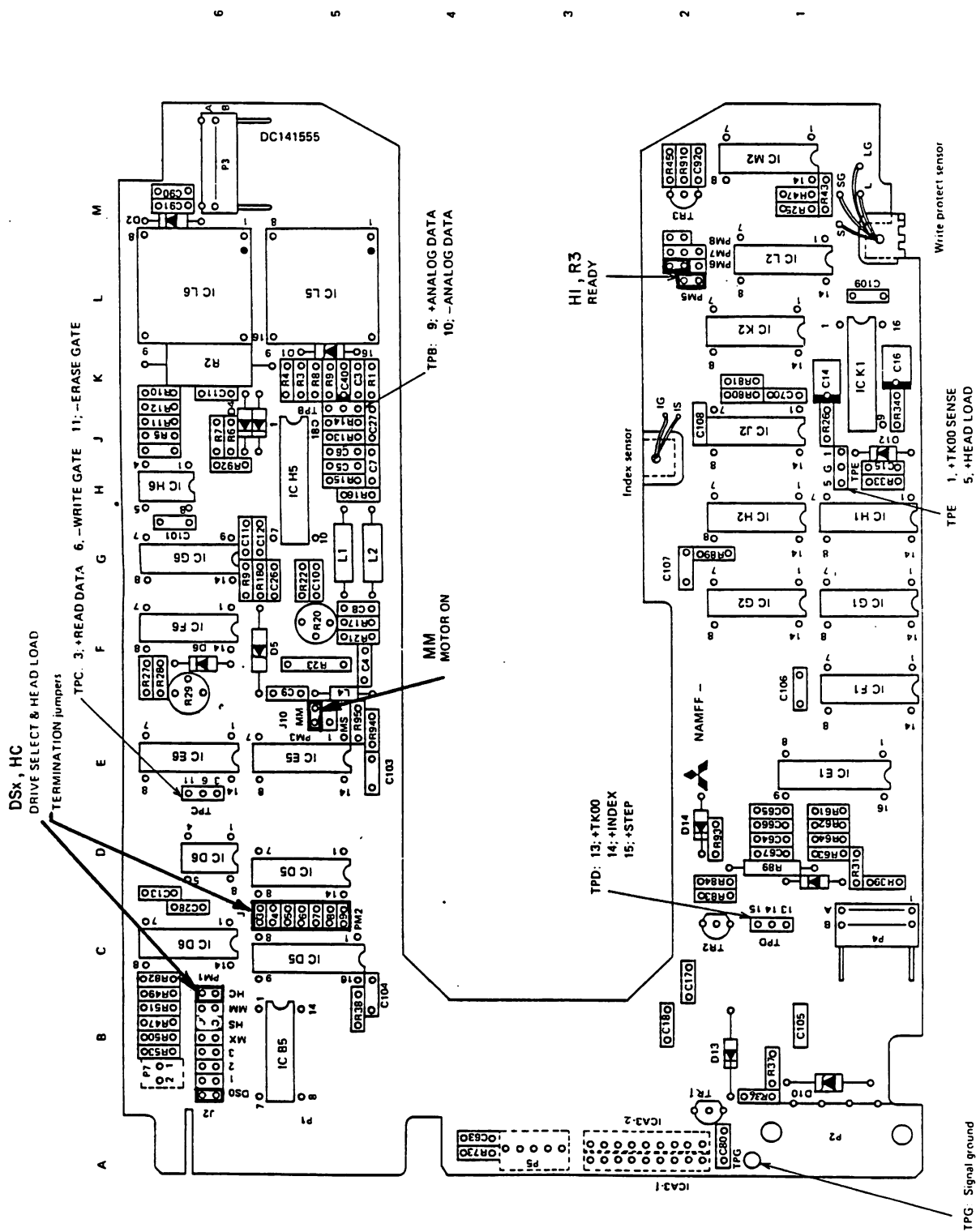


Figure 40. Mitsubishi Floppy Drive Logic Board

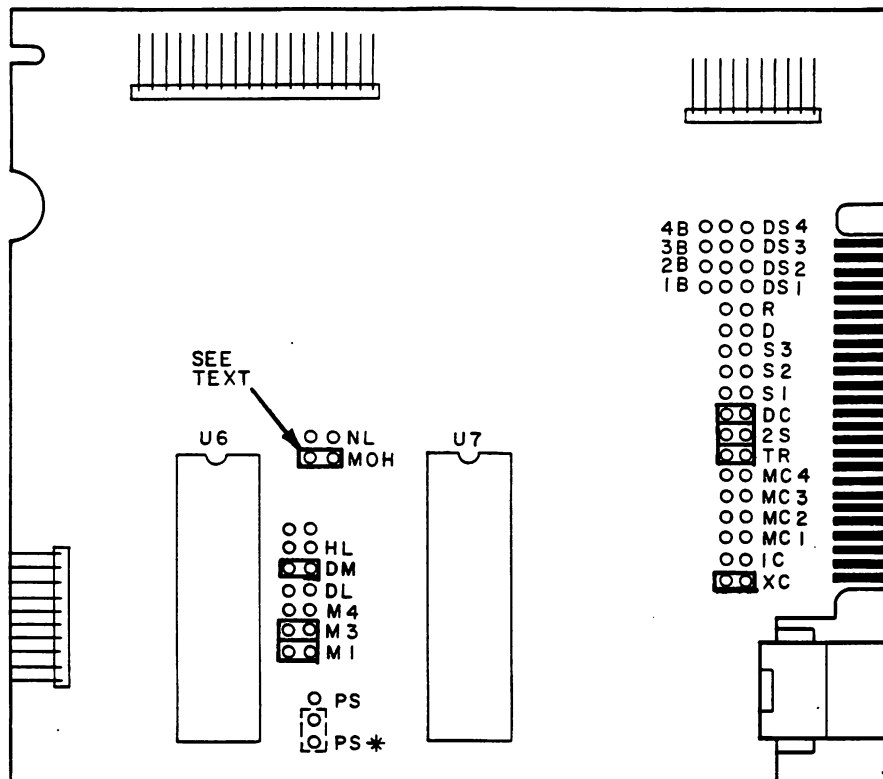


Figure 41. TM848 Direct Drive Floppy Drive Logic Board.

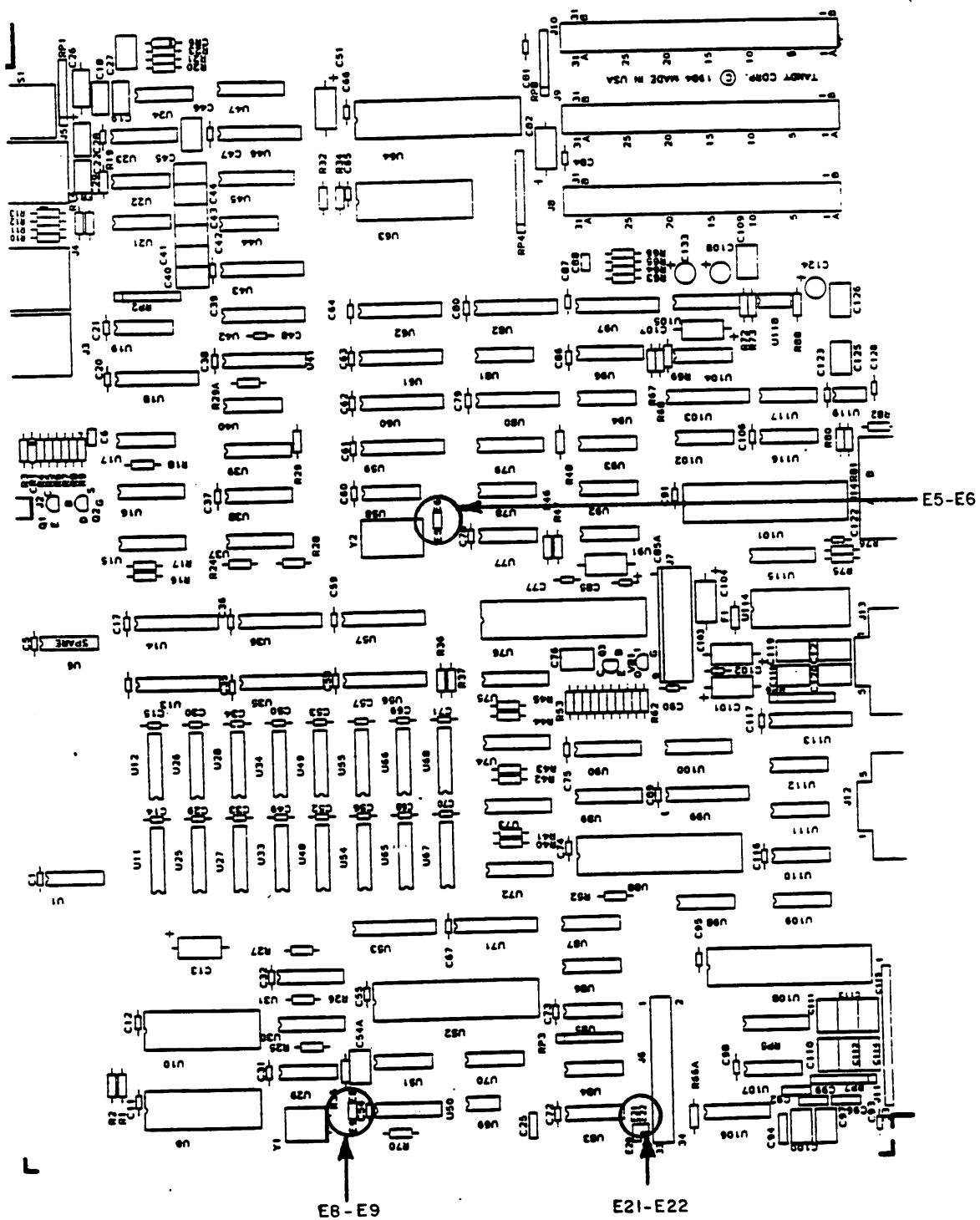


Figure 42. Tandy 1000 Main Logic Board.

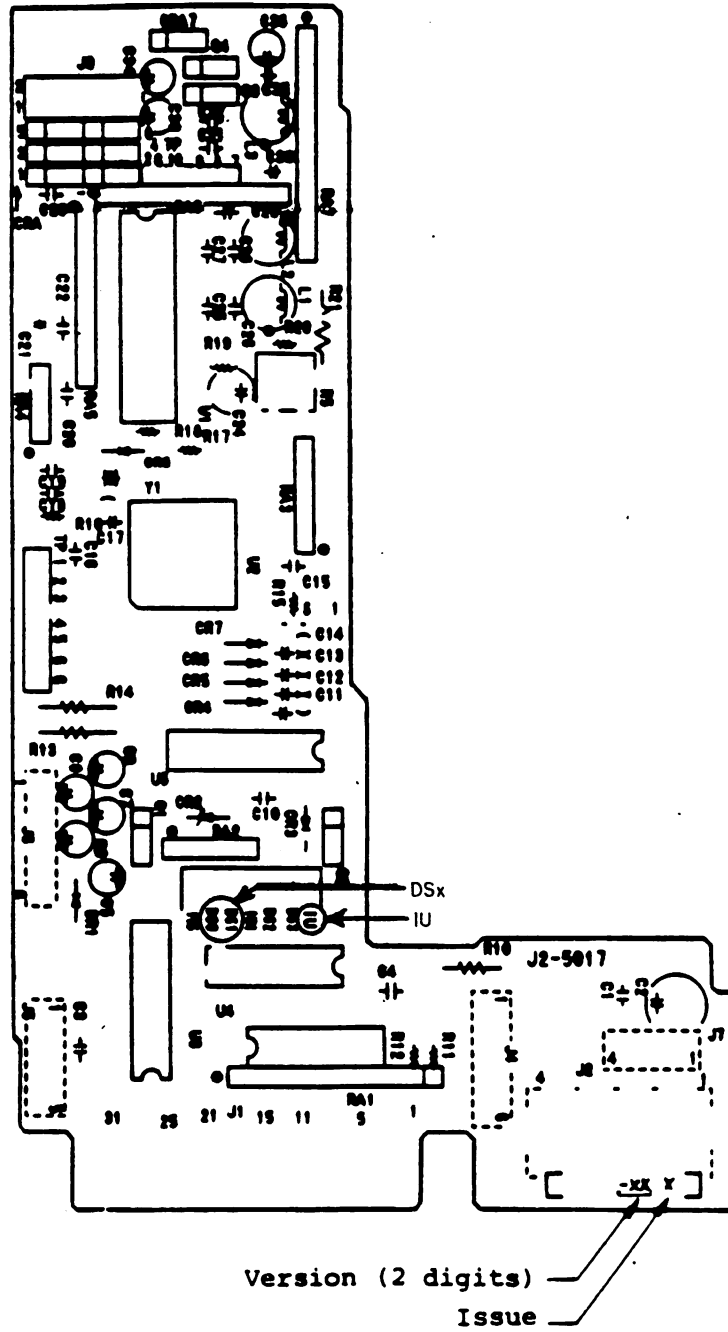


Figure 43. TEAC FD-54B 5 1/4" Floppy Drive Logic Board.

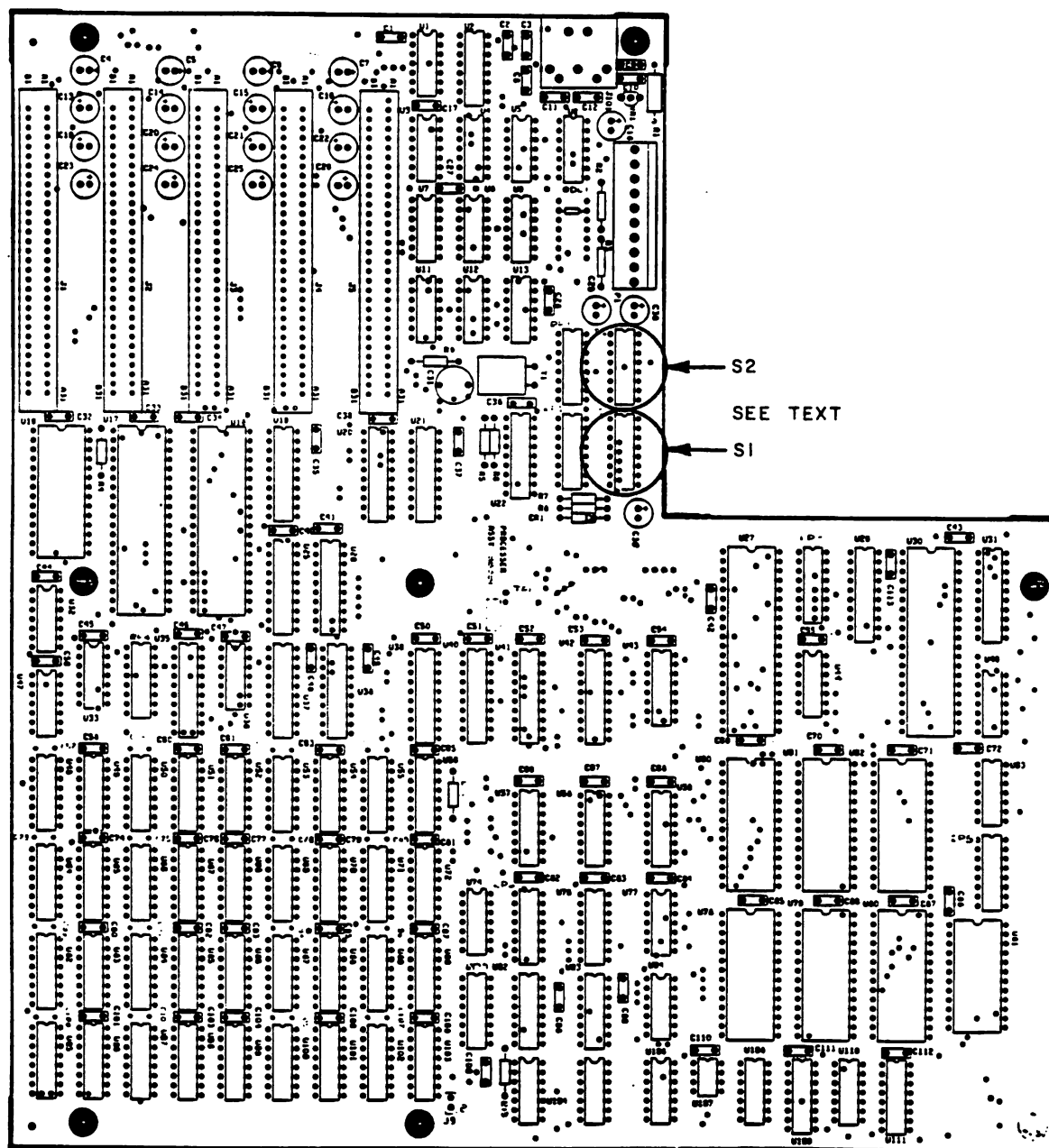


Figure 44. Tandy 1200 Main Logic Board.

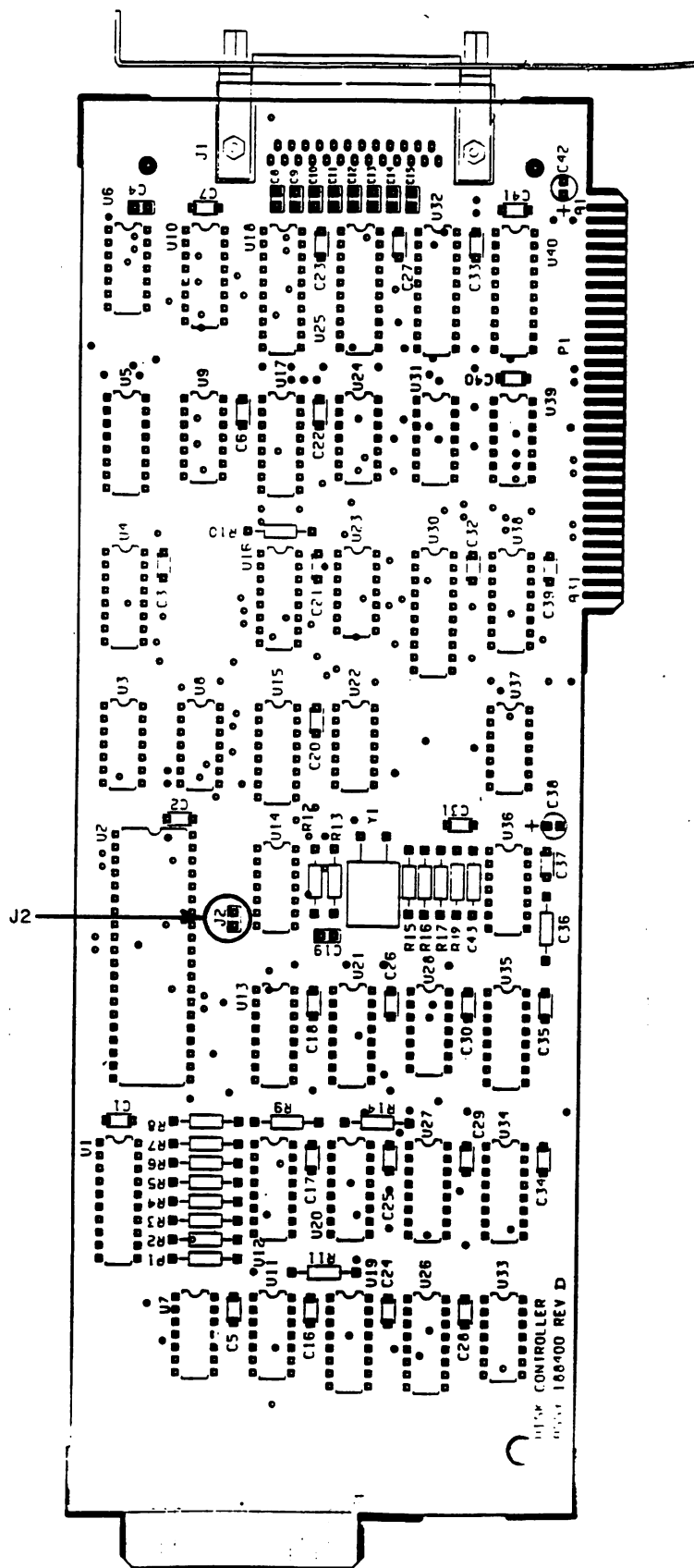


Figure 45. Tandy 1200 Floppy Disk Controller Board.

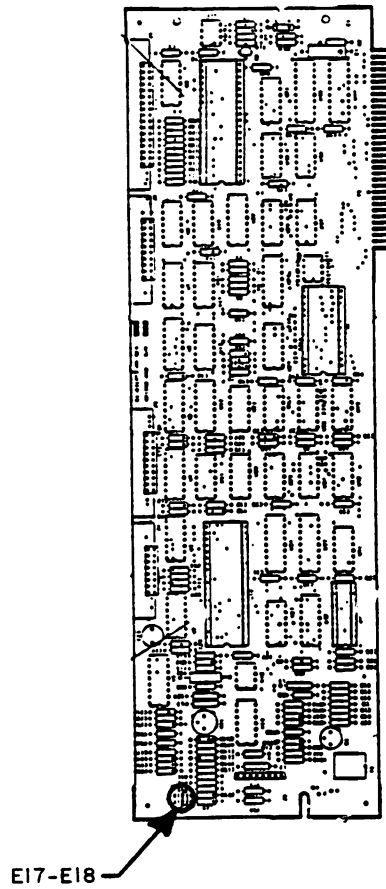
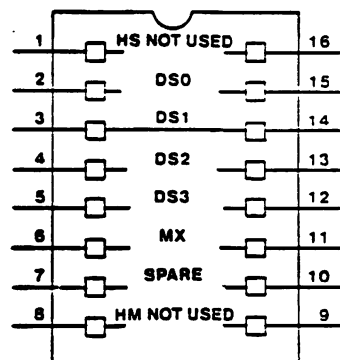
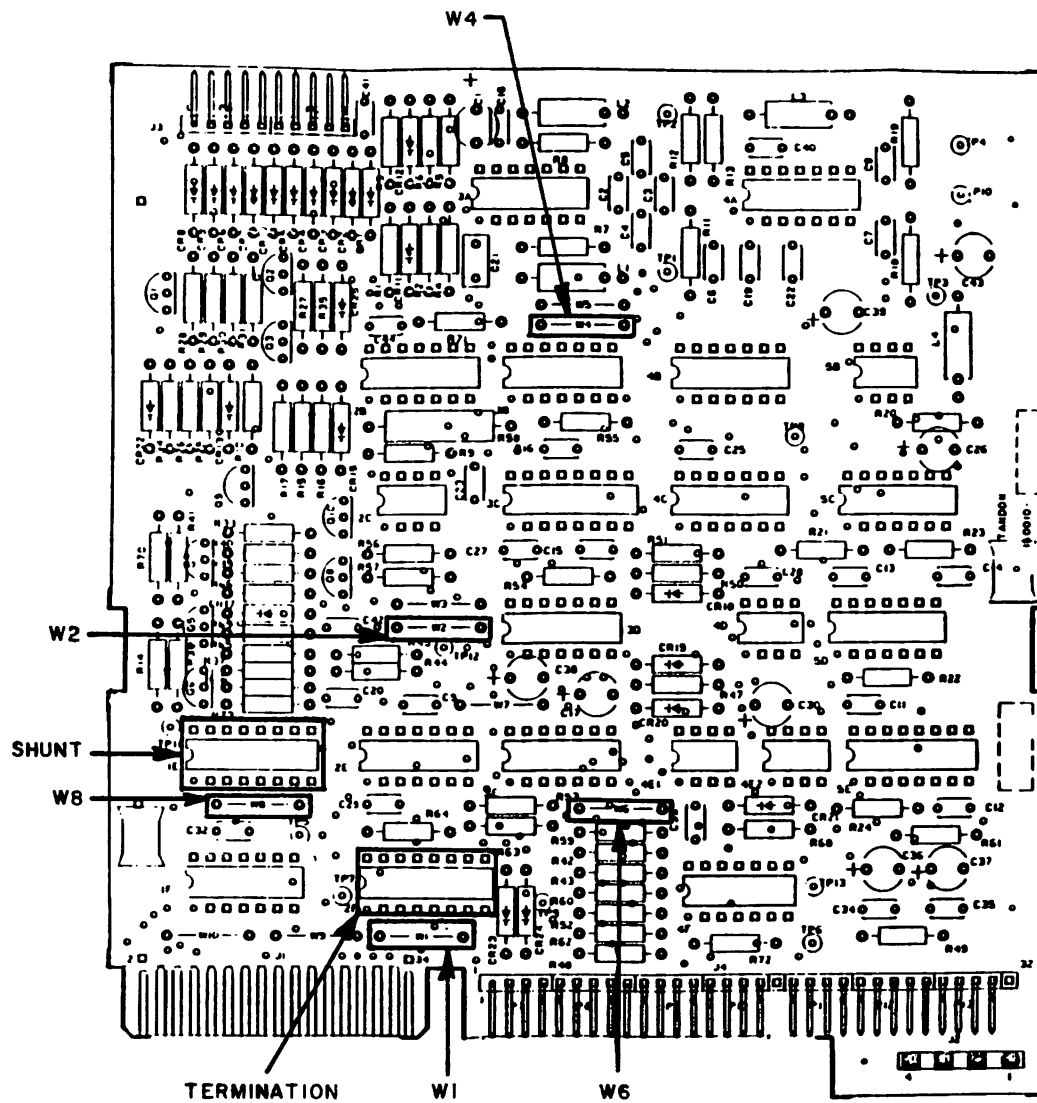


Figure 46. Tandy 1200 Hard Disk Controller Board.



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Figure 47. Tandon TM100-2 5 1/4" Floppy Drive Logic Board.

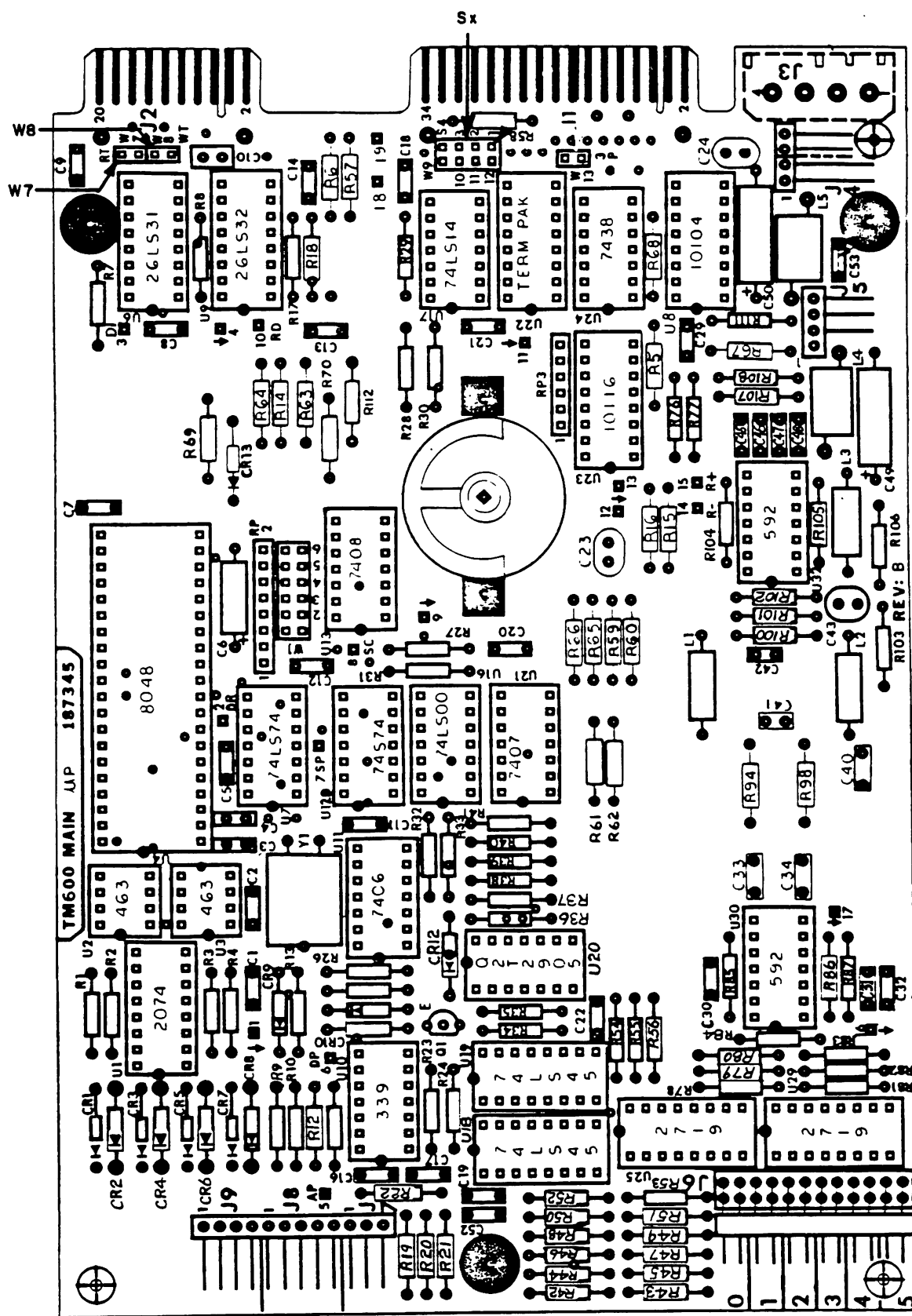


Figure 48. 10 MEG Hard Disk Drive Logic Board.

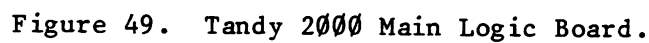


Figure 49. Tandy 2000 Main Logic Board.

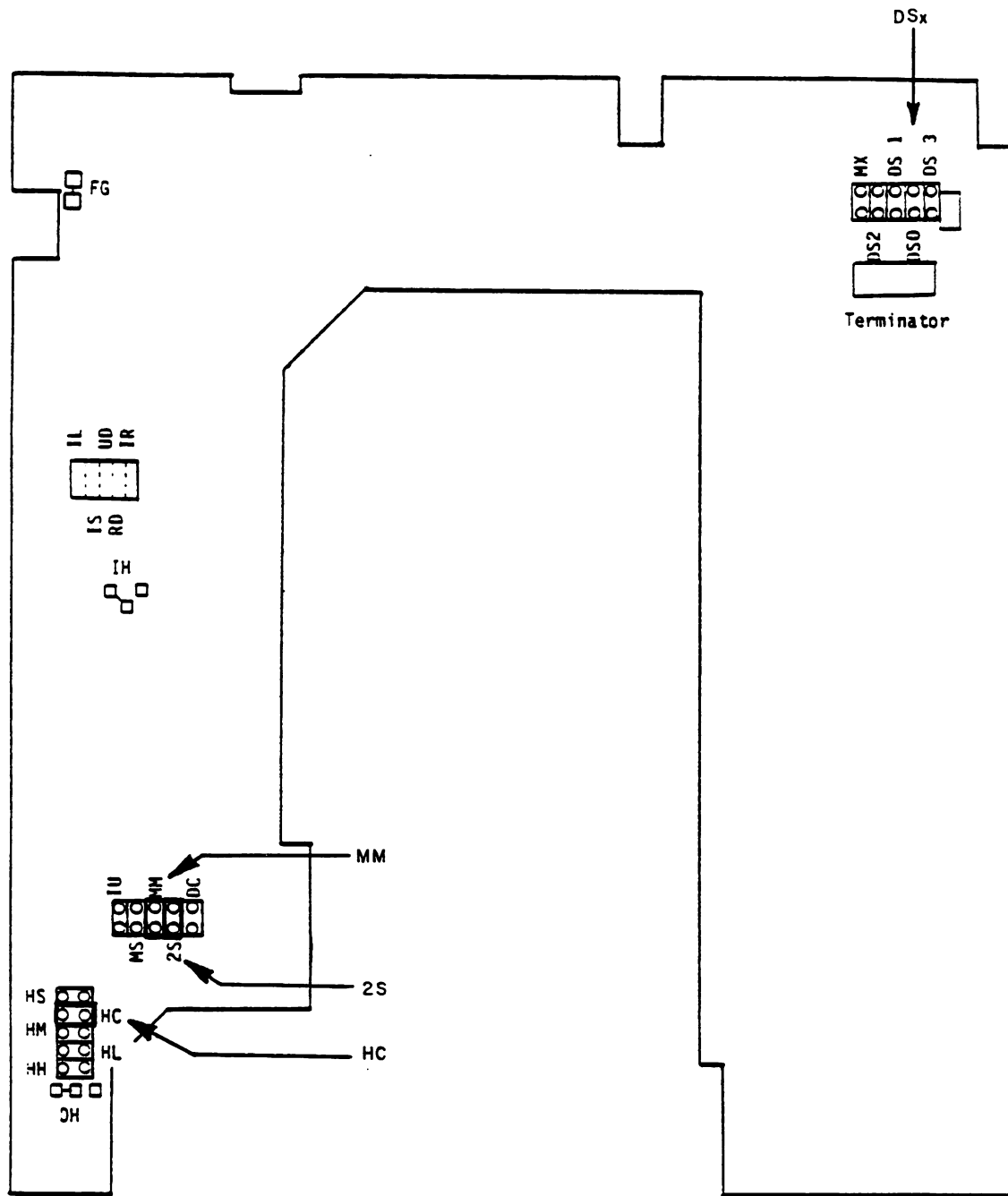


Figure 50. Mitsubishi M4853-1 Floppy Drive Logic Board.

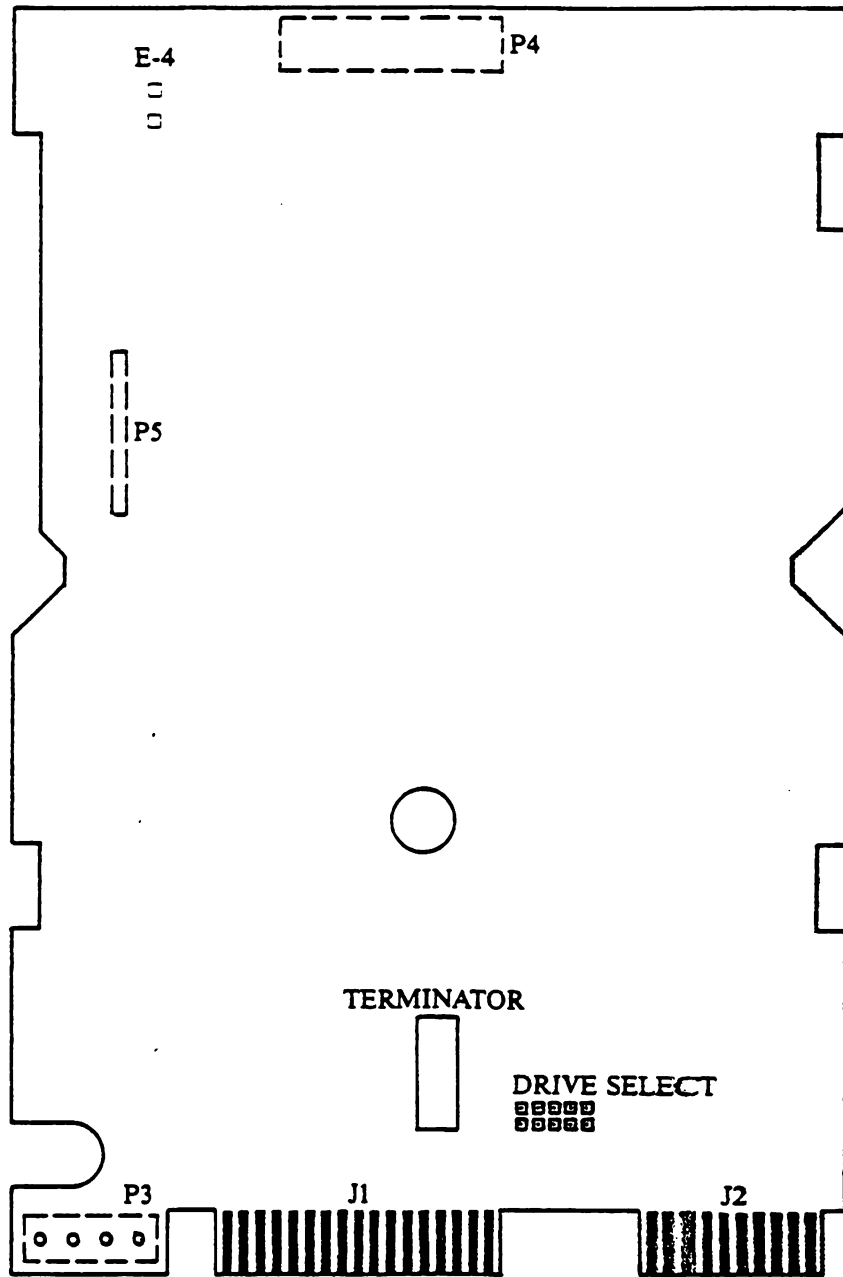


Figure 51. 35 MEG Hard Disk Drive Logic Board.

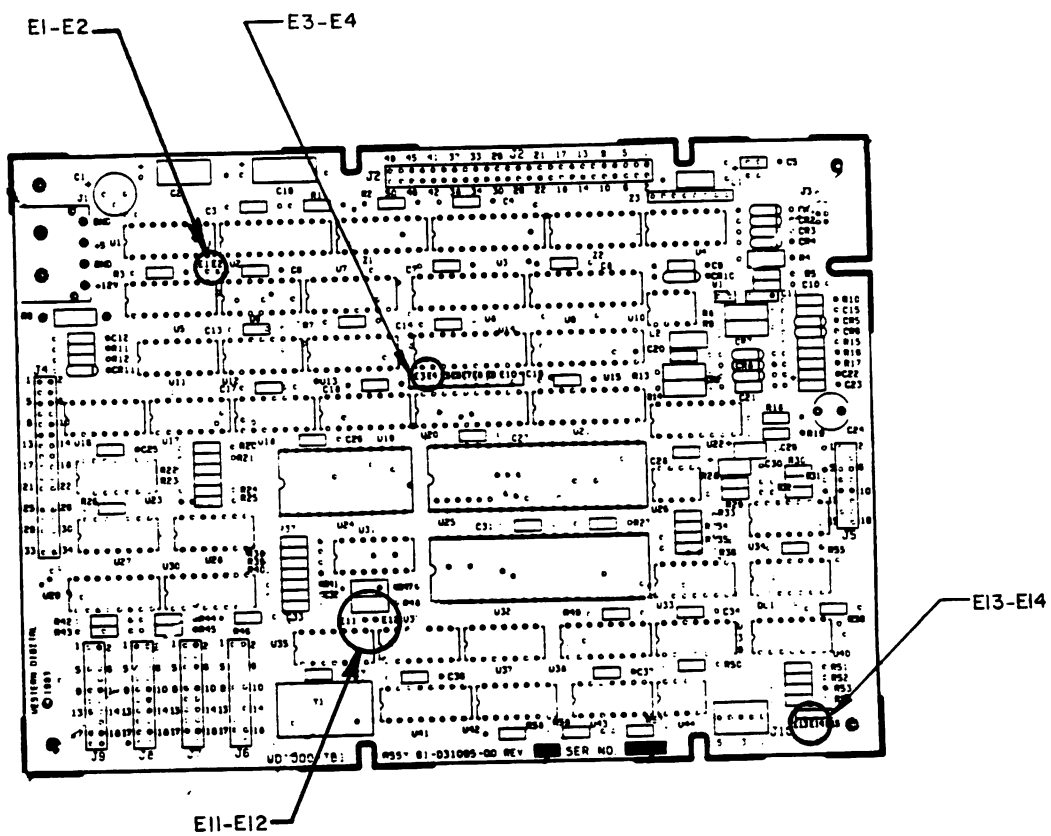


Figure 52. WD1010 External Controller Board.

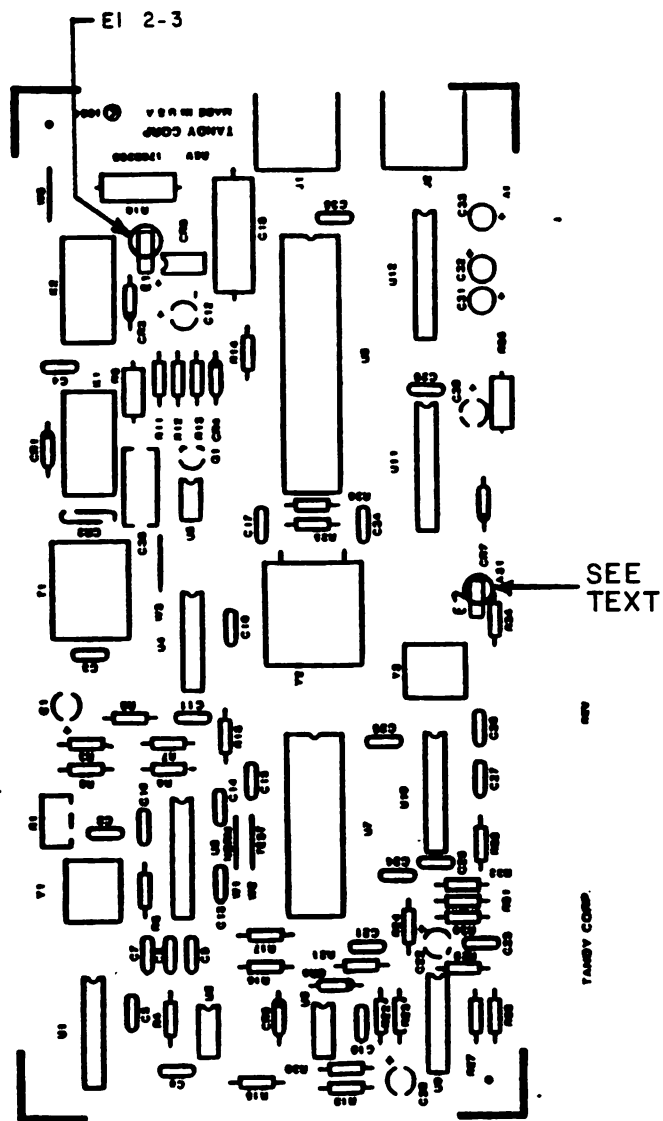


Figure 53. Tandy 1000 Modem Board.

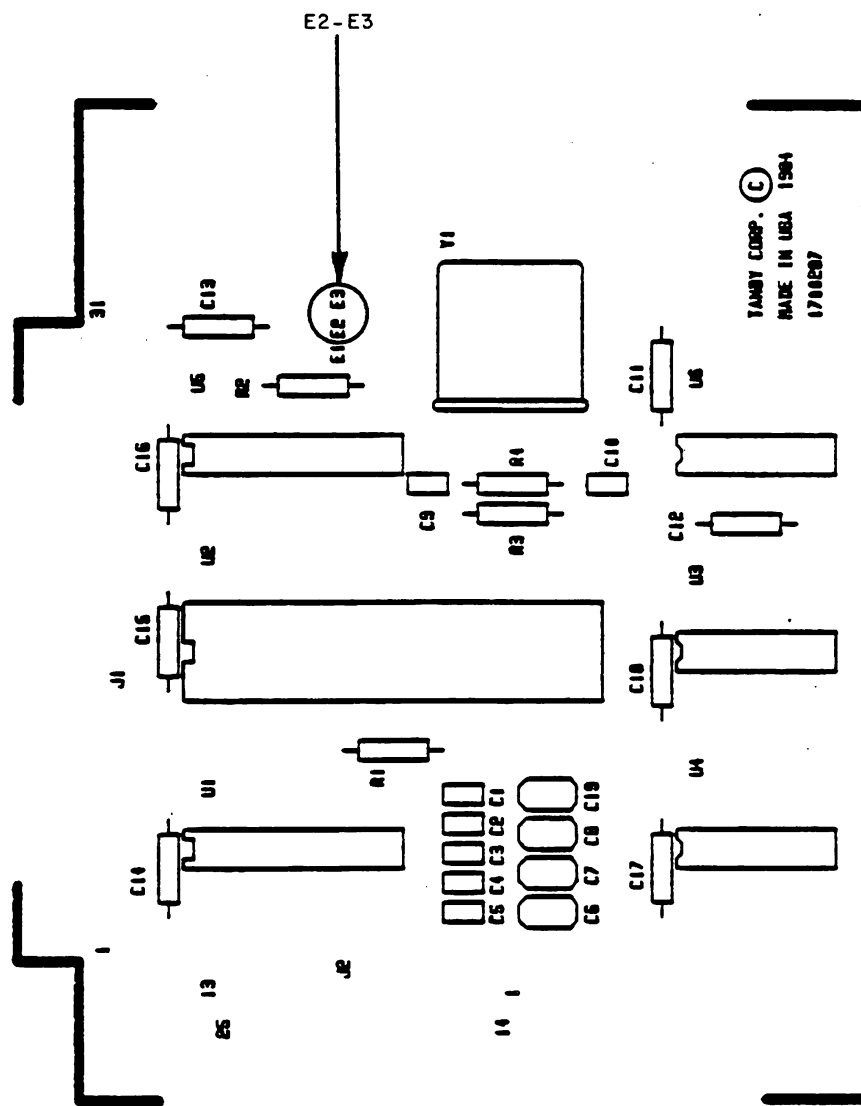


Figure 54. Tandy 1000 RS-232 Board.

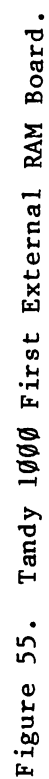


Figure 55. Tandy 1000 First External RAM Board.

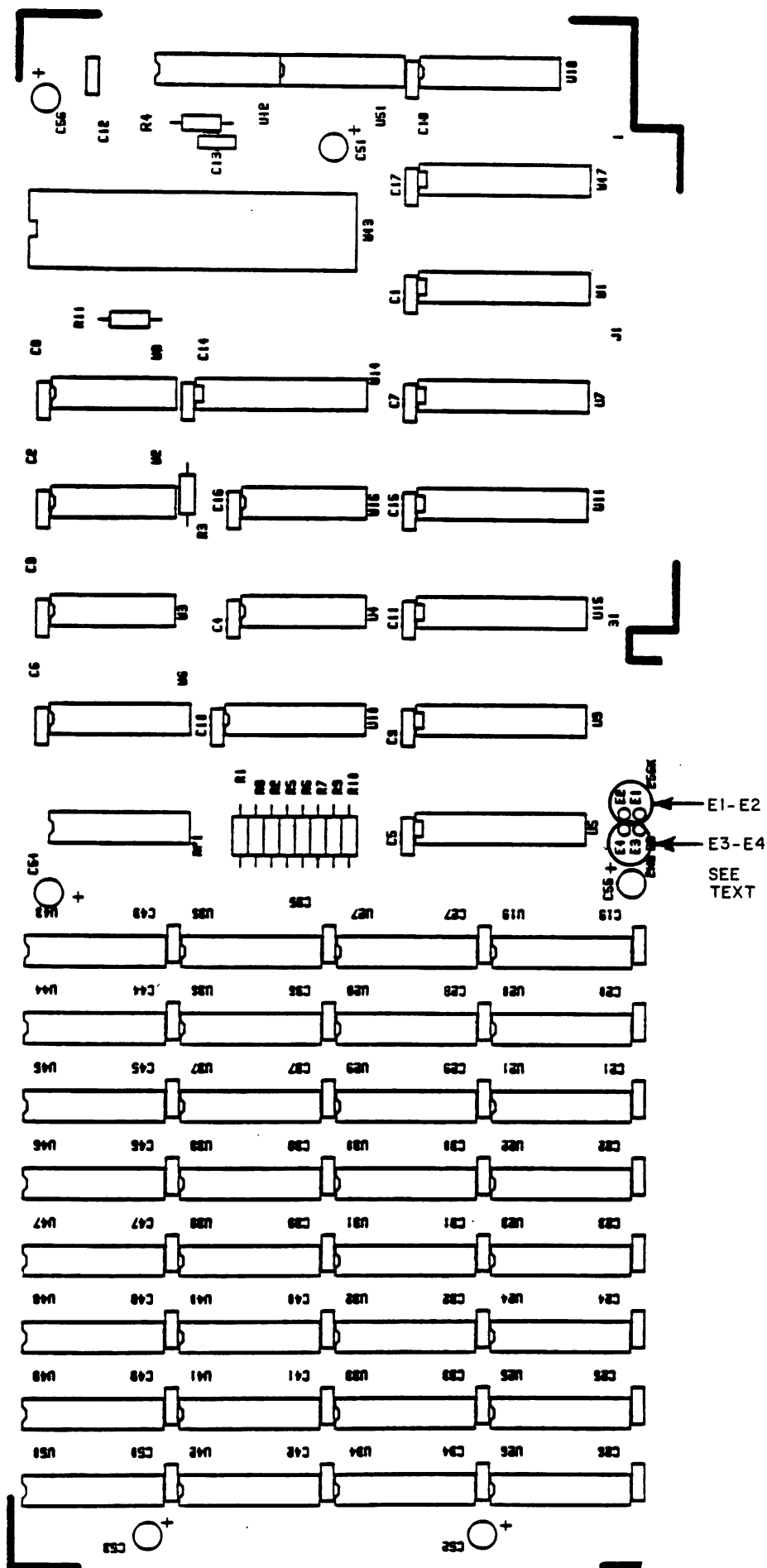


Figure 56. Tandy 1000 Second External RAM Board.

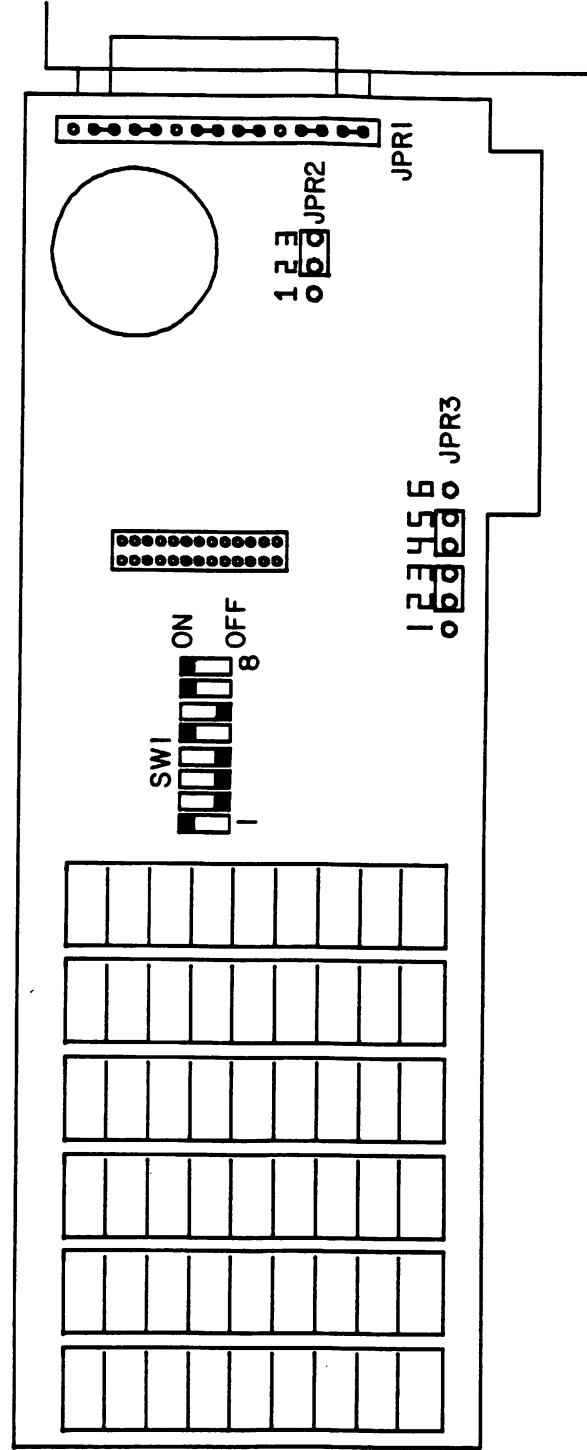


Figure 57. Captain Multi-Function Board.

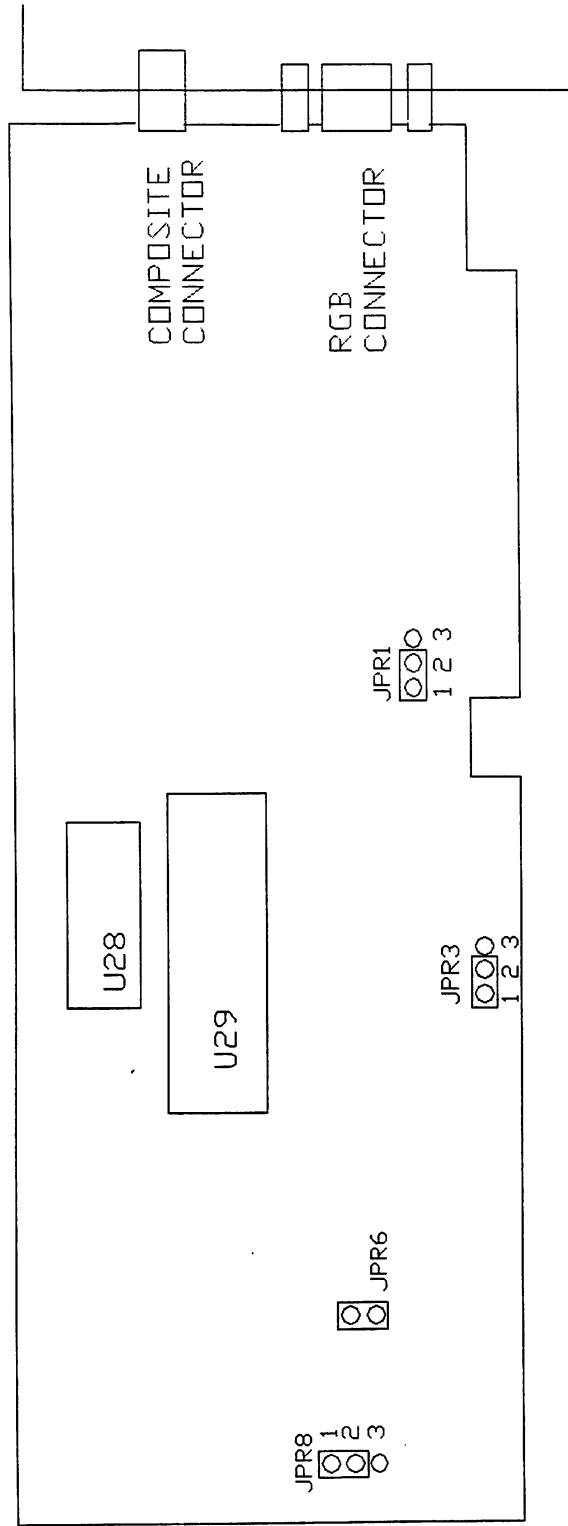


Figure 58. Tandy 1200 Graphics Tender Board

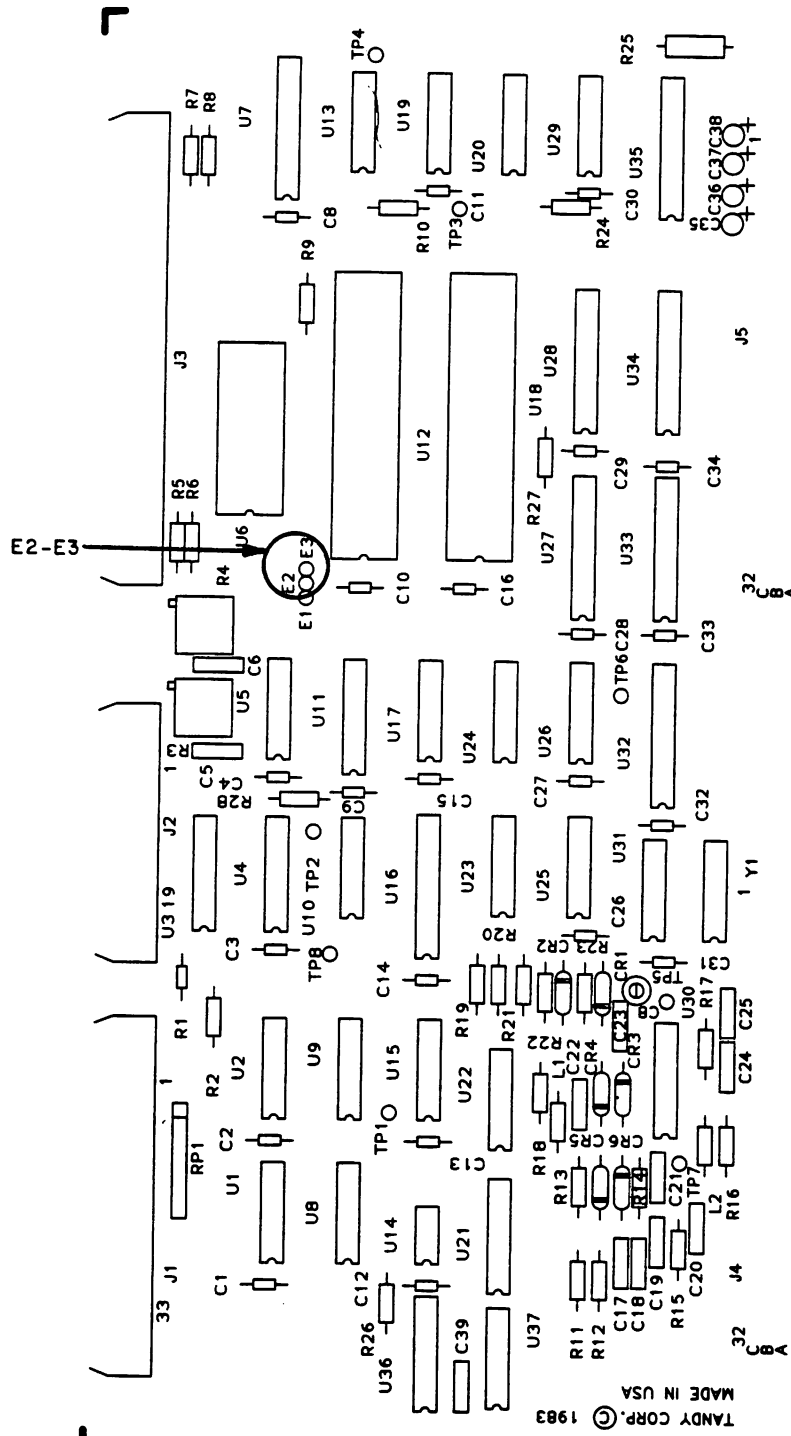


Figure 60. Tandy 2000 Hard Disk Controller Board.

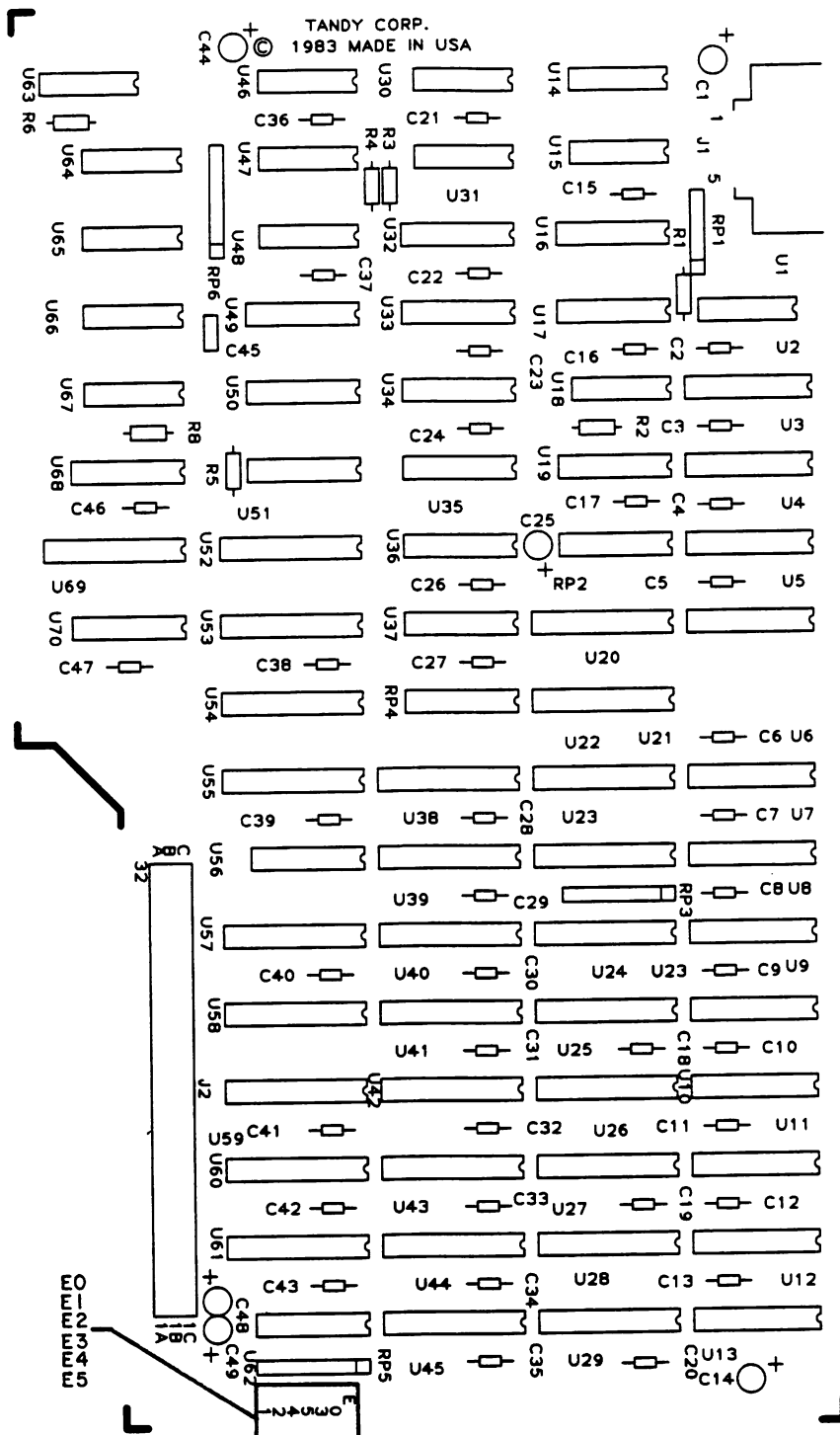


Figure 61. Tandy 2000 Monochrome Graphics Board.

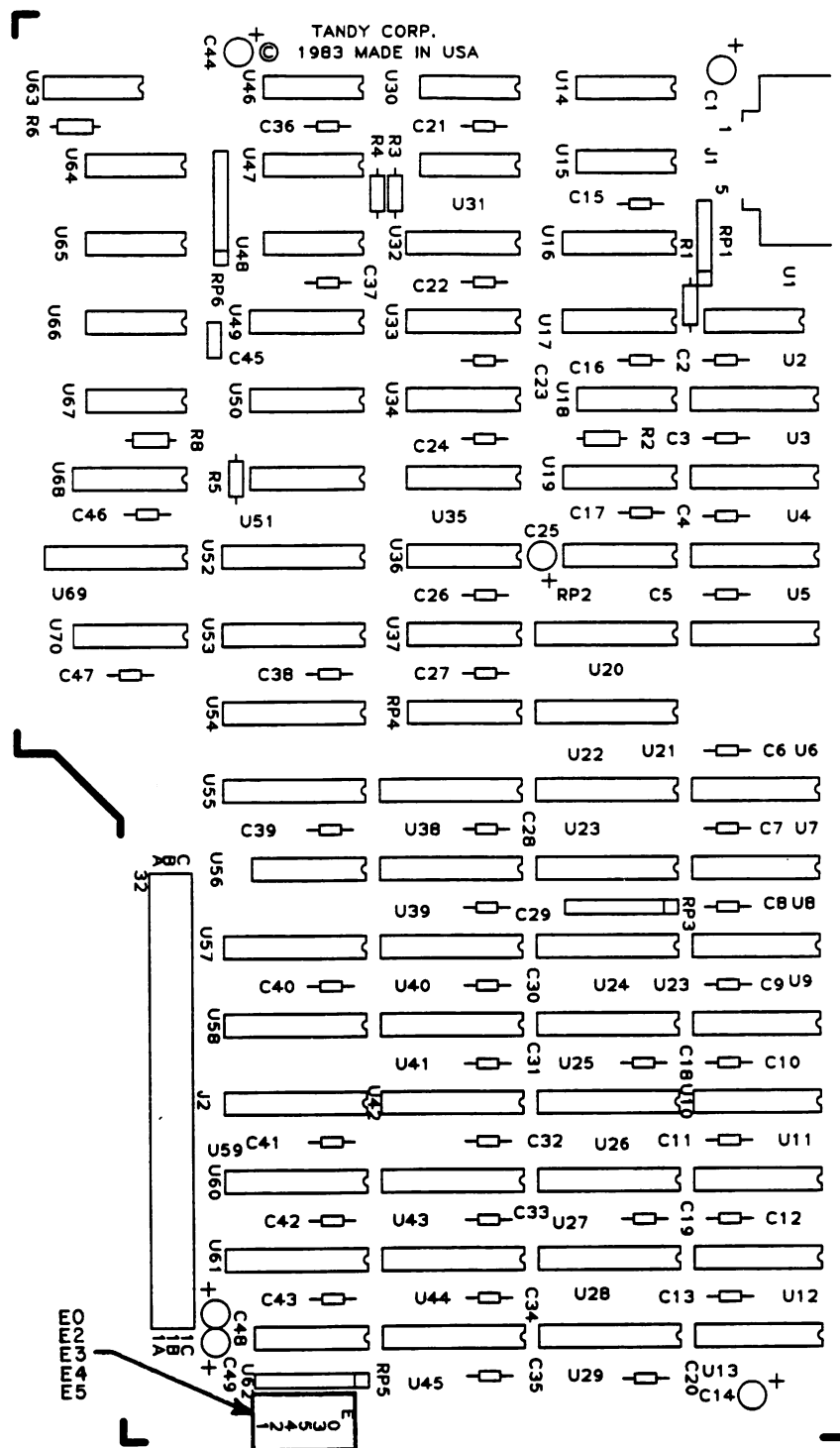


Figure 62. Tandy 2000 Color Graphics Board.

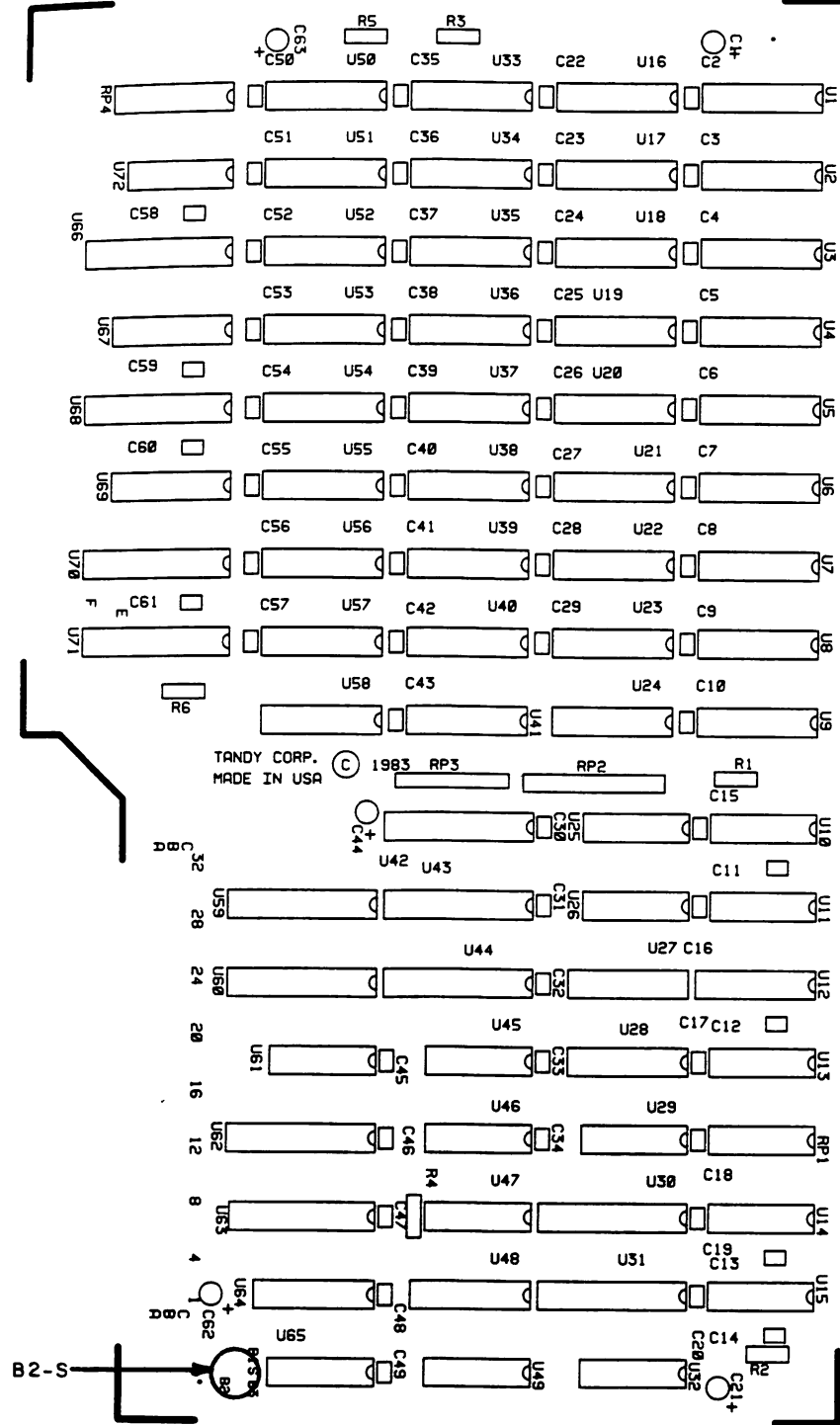


Figure 63. Tandy 2000 First External RAM Board.

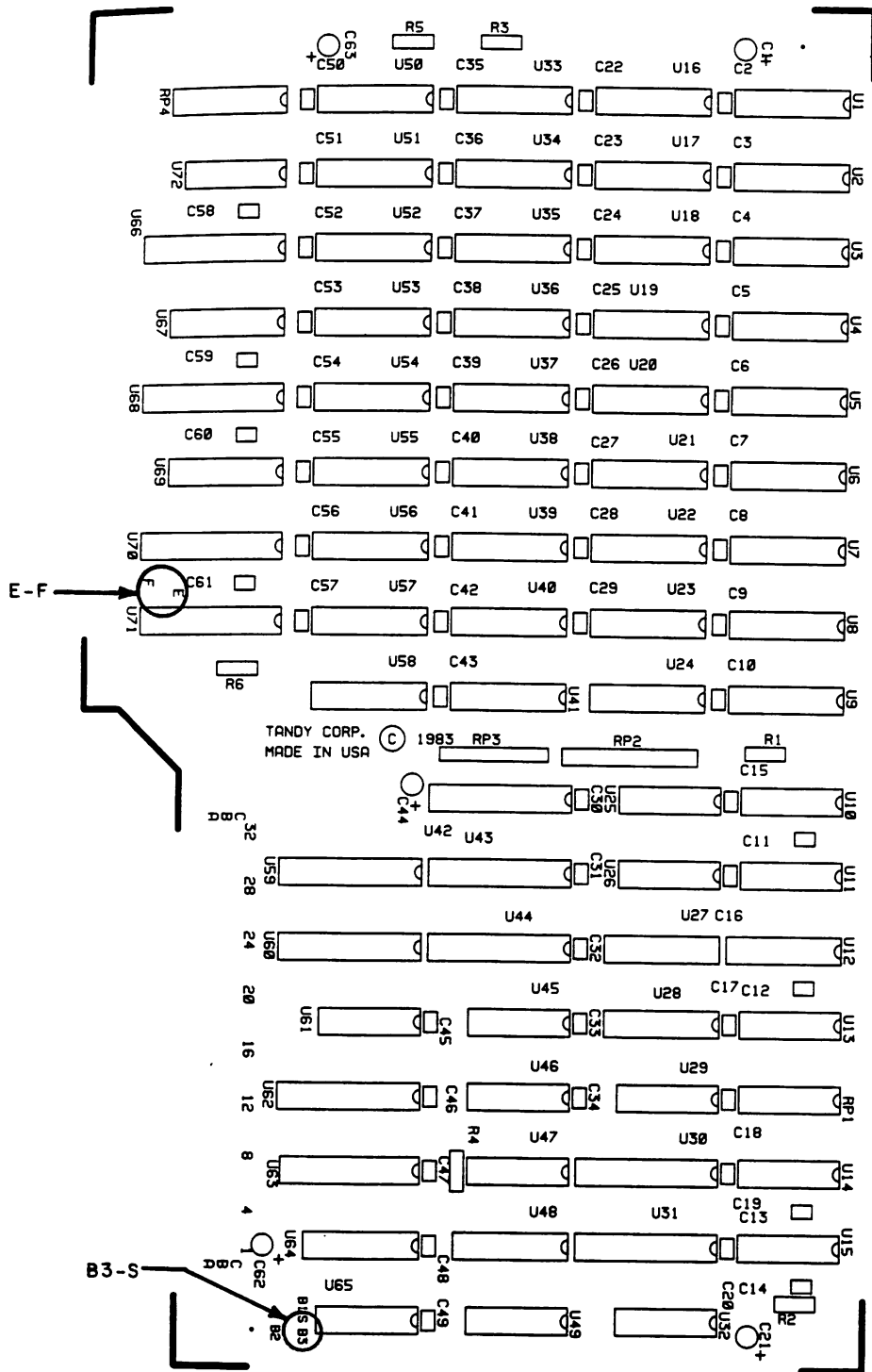


Figure 64. Tandy 2000 Second External RAM Board.

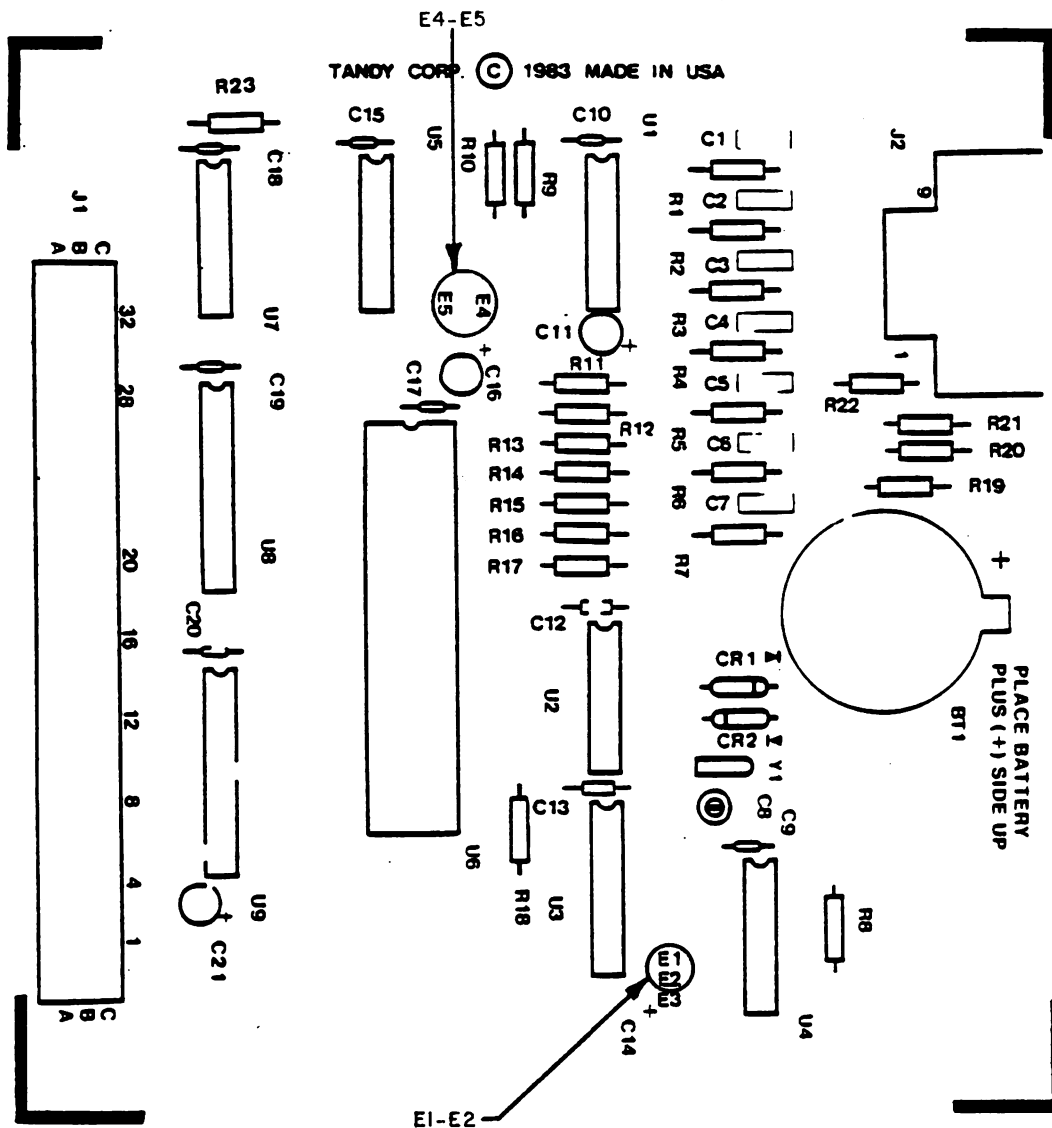


Figure 65. Tandy 2000 Mouse/Clock Board.

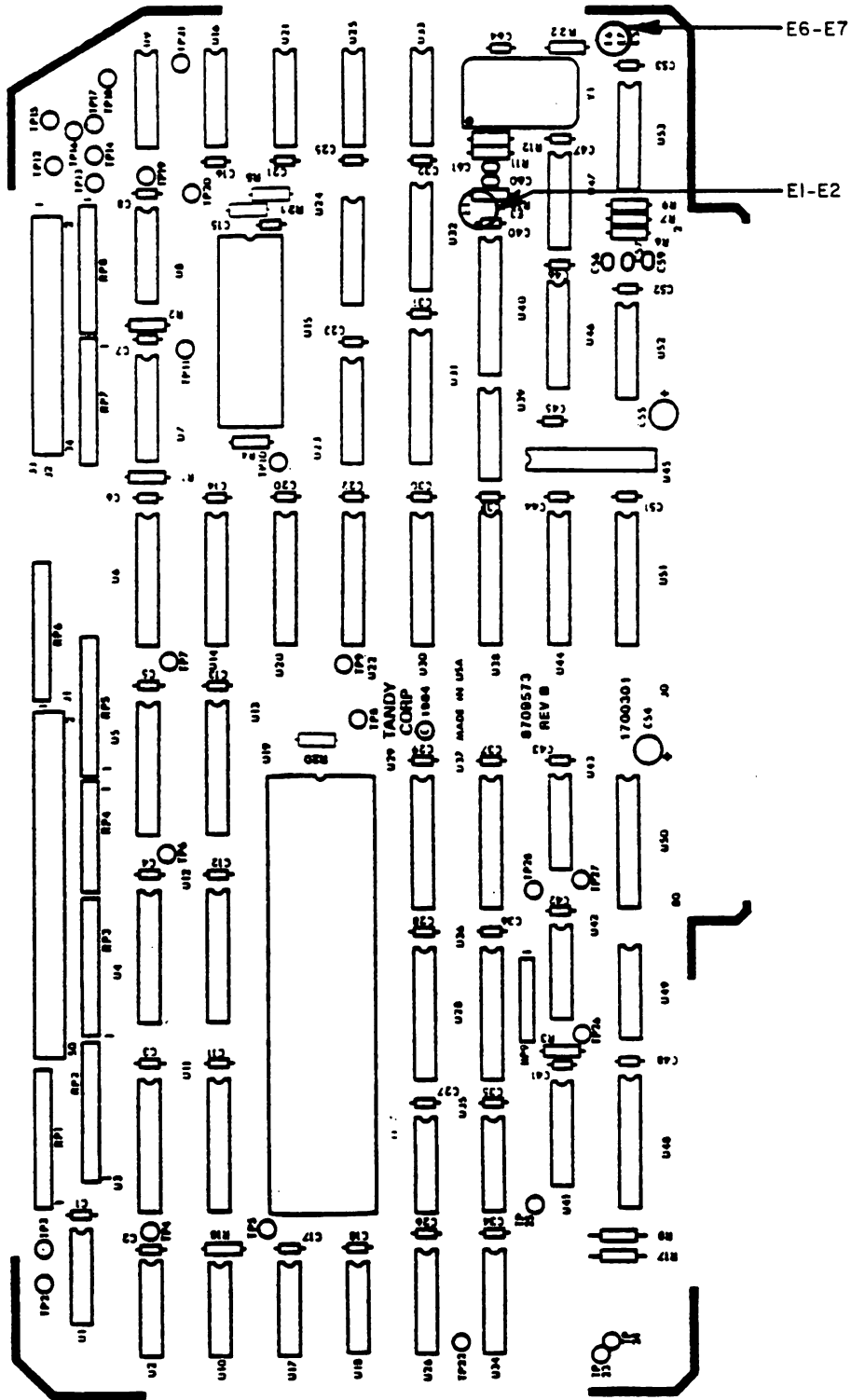


Figure 66. 8 MHz 68000 CPU board.

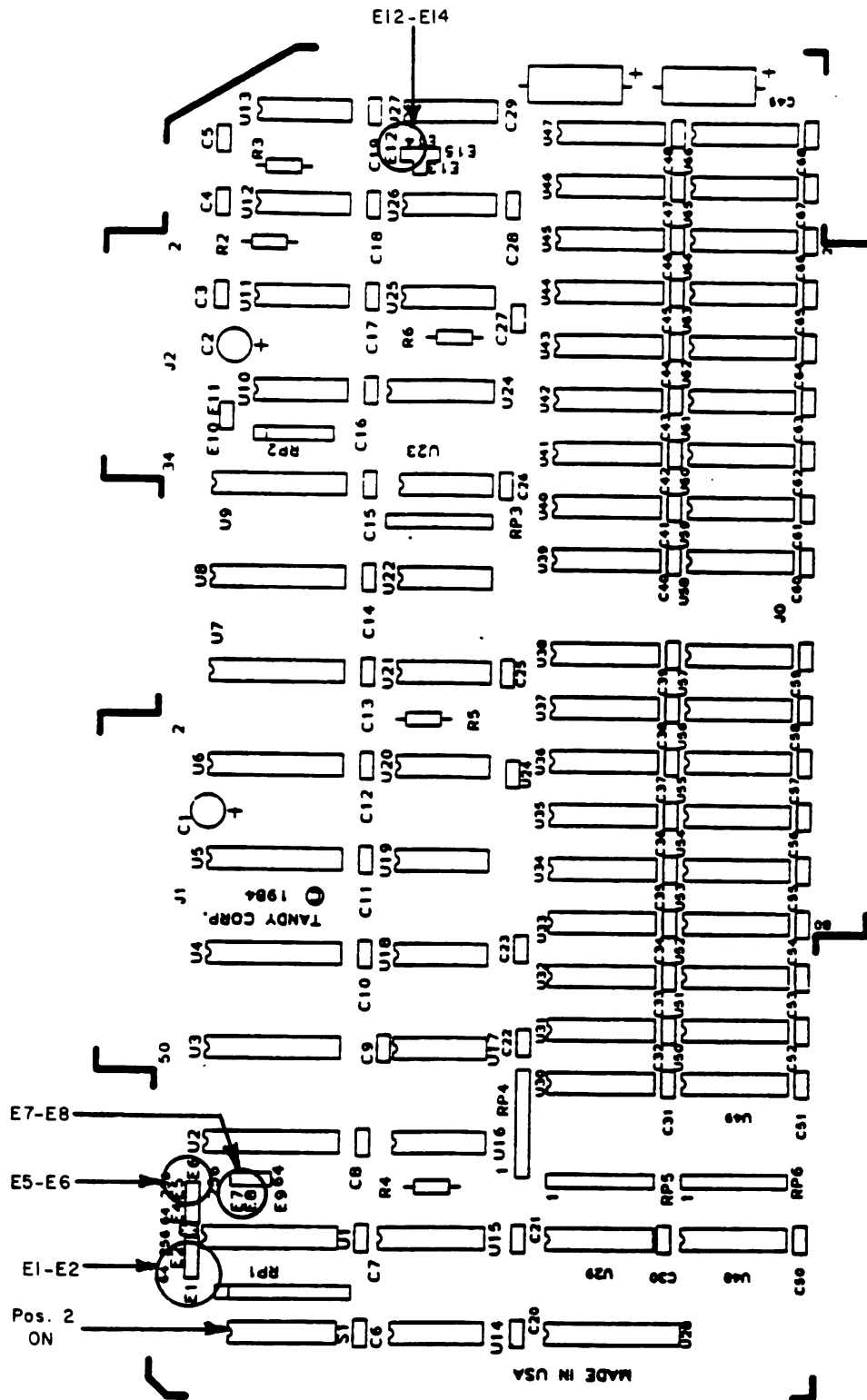


Figure 67. 512K/1MEG 68000 RAM Board with 512K

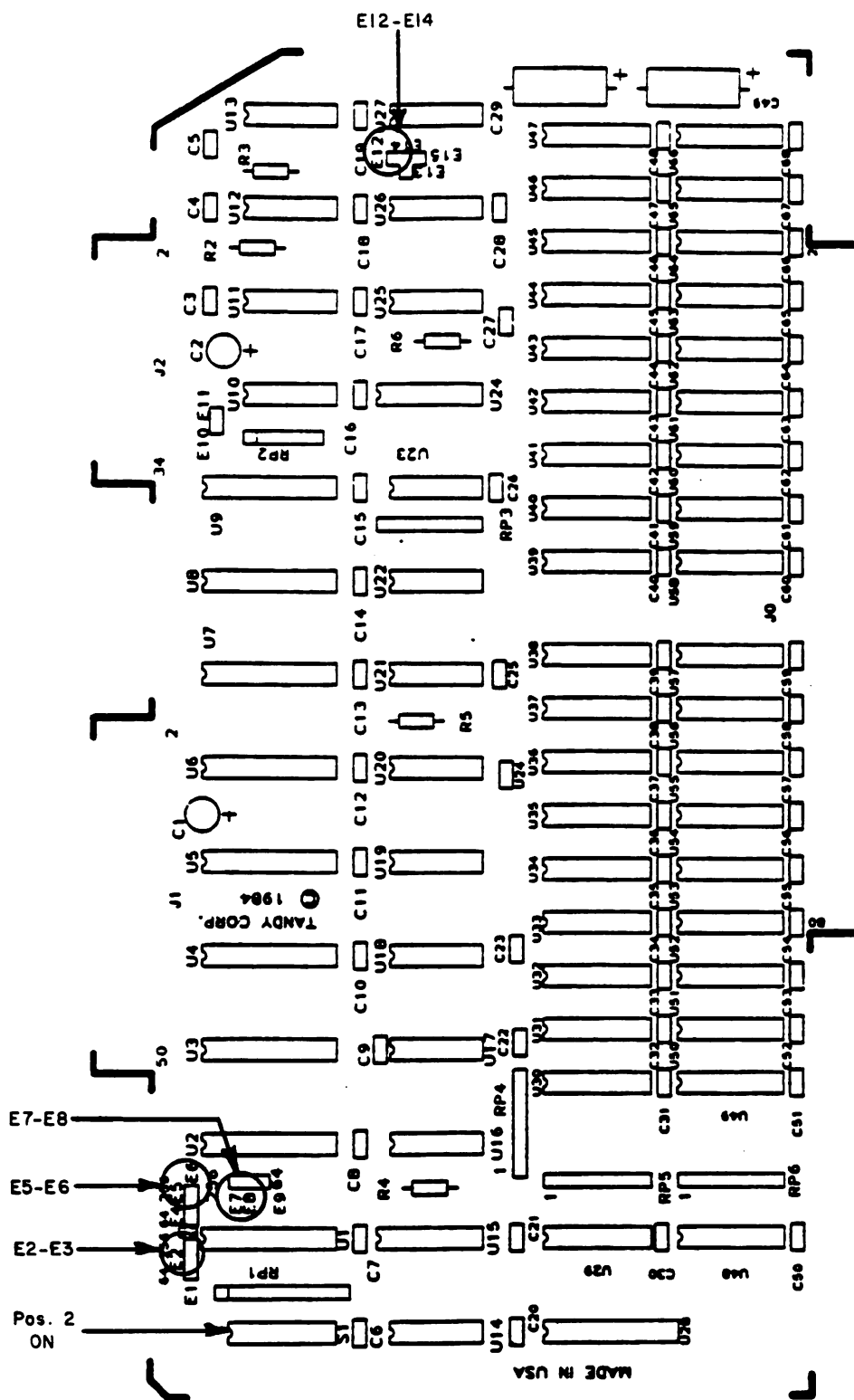


Figure 68. 512K/1MEG 68000 RAM Board with 1MEG

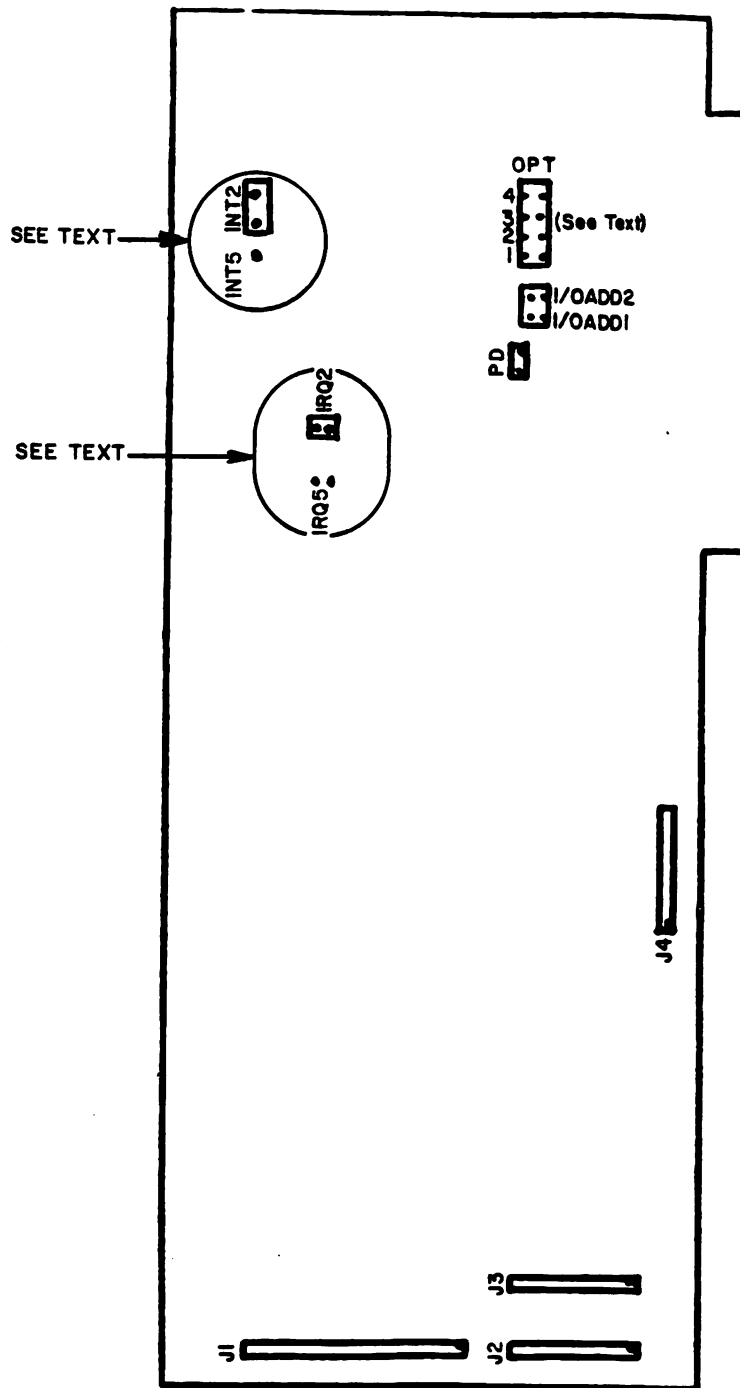


Figure 69. Xebec Hard Drive Controller Board for Tandy 1000/1200.

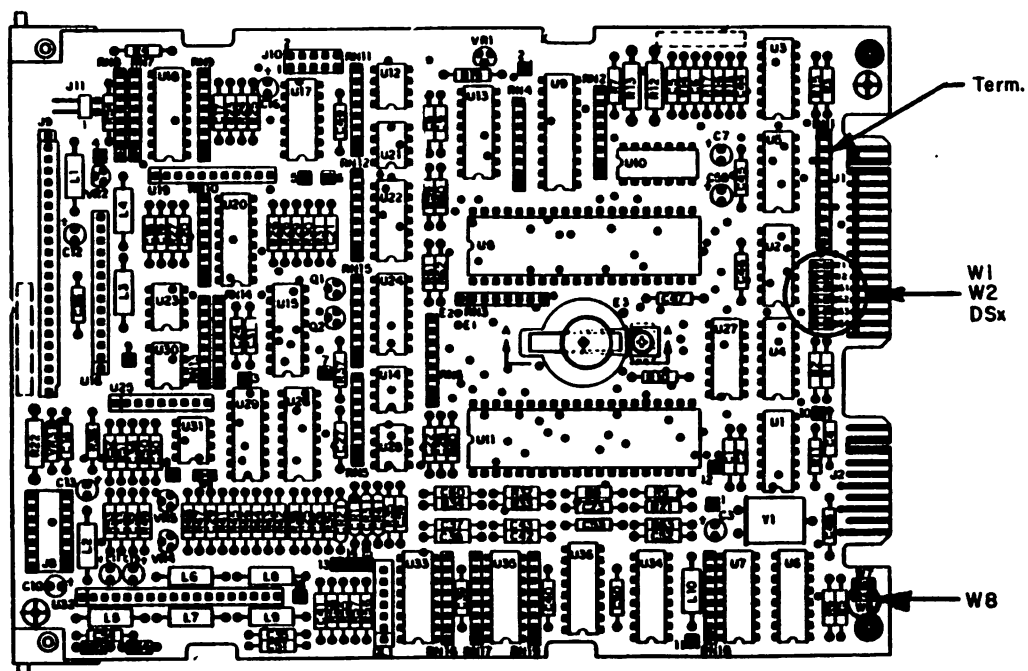


Figure 70. 70 MEG Hard Drive Logic Board

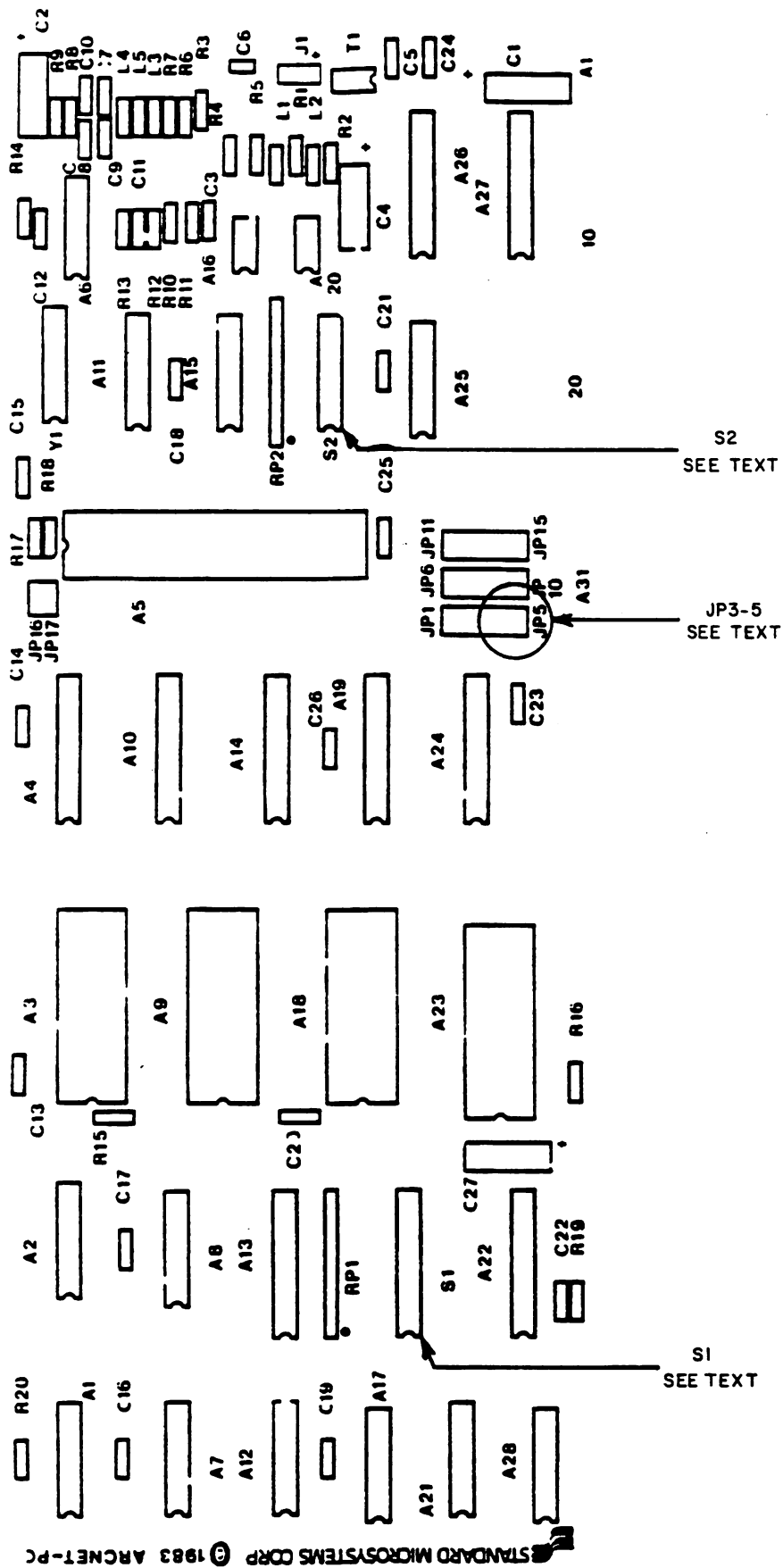


Figure 71. Vianet Board for Tandy 1000/1200

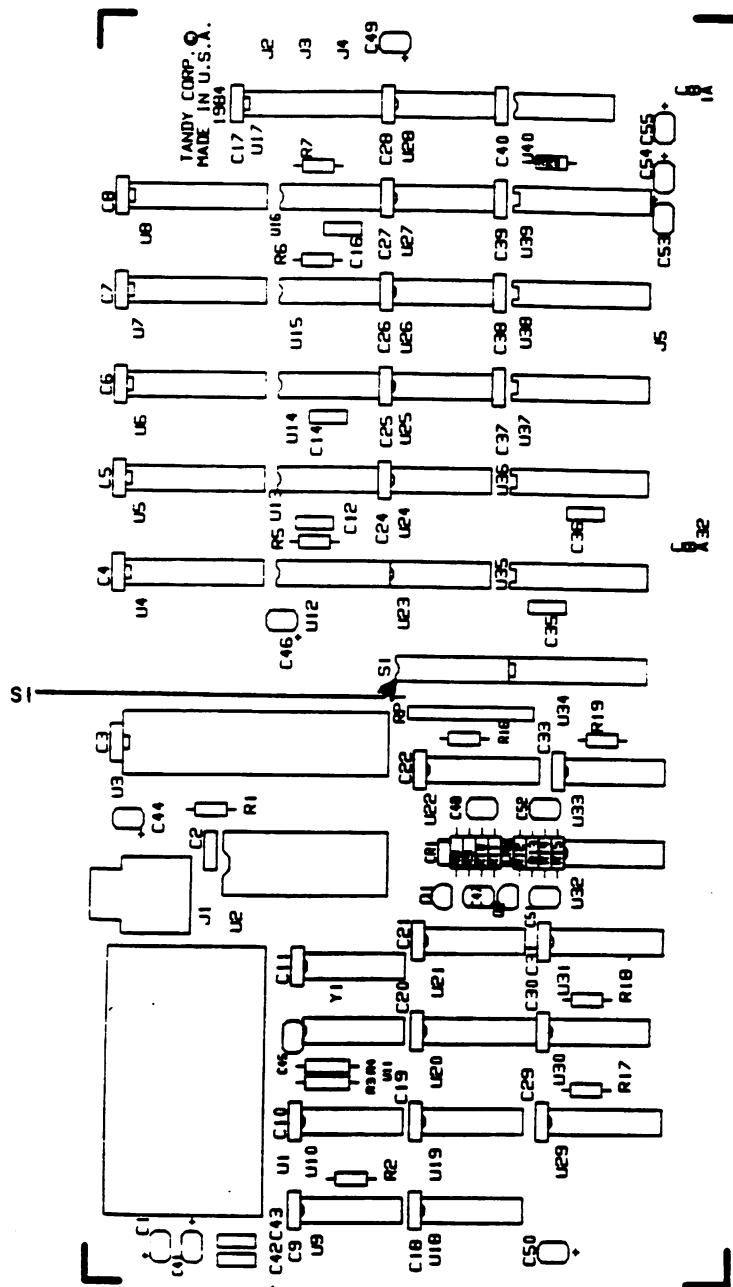


Figure 72. Vianet Board for Tandy 2000

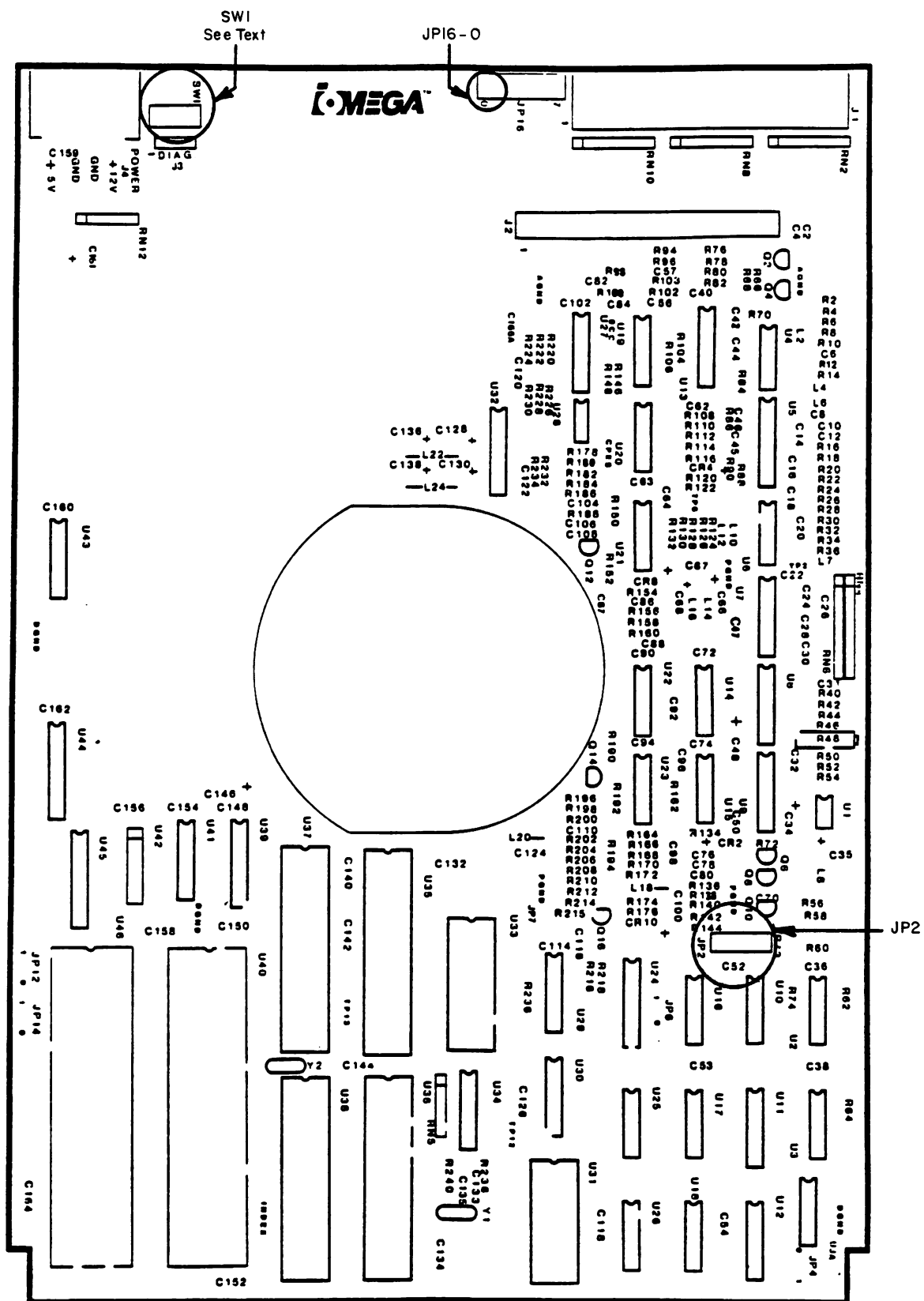


Figure 73. Disk Cartridge Controller Board

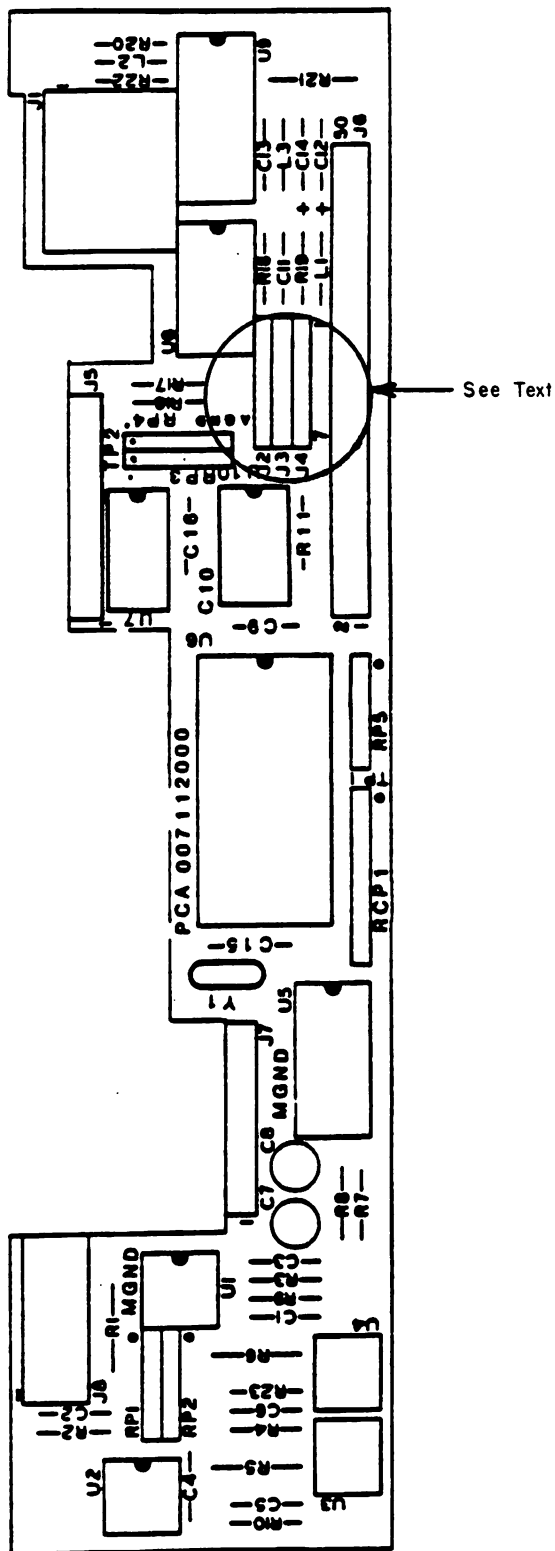


Figure 74. Disk Cartridge Drive Logic Board

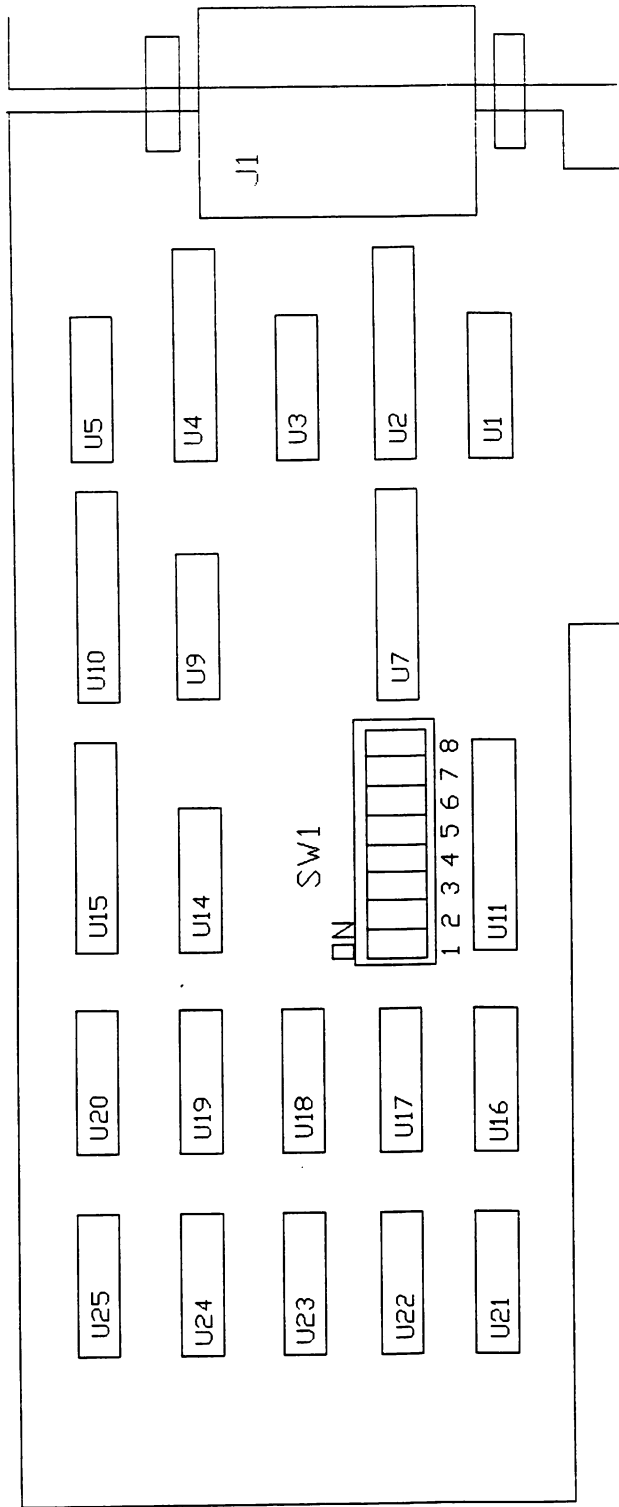


Figure 75. Tandy 1000/1200 Interface Board for the 8" Disk Cartridge

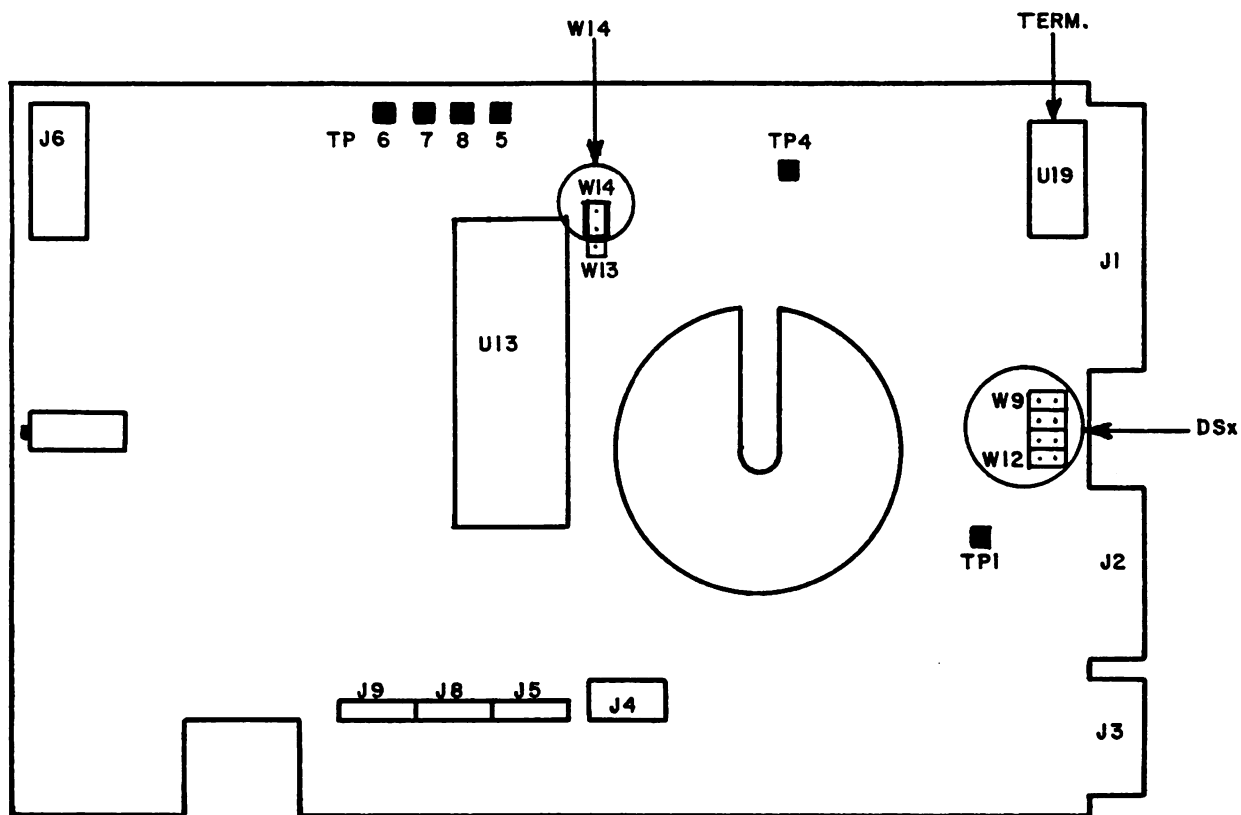


Figure 76. 10 MEG Thinline (TM-252) Hard Drive Logic Board.

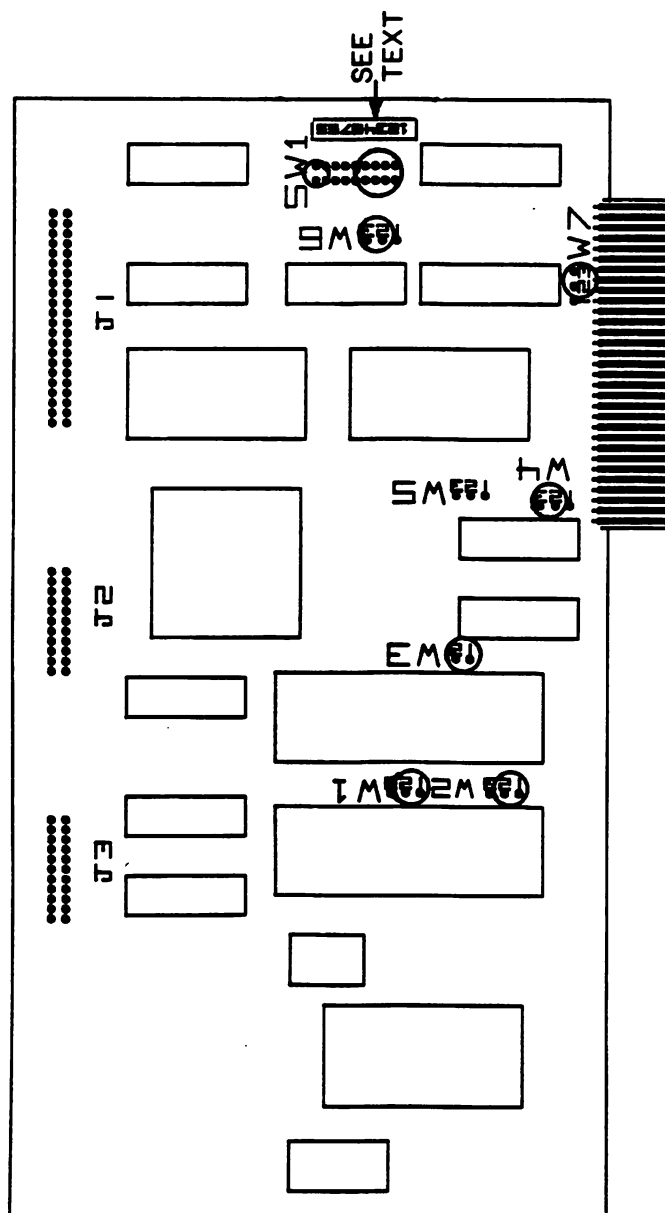


Figure 77. Tandy 1000 WD1010 Hard Drive Controller Board.

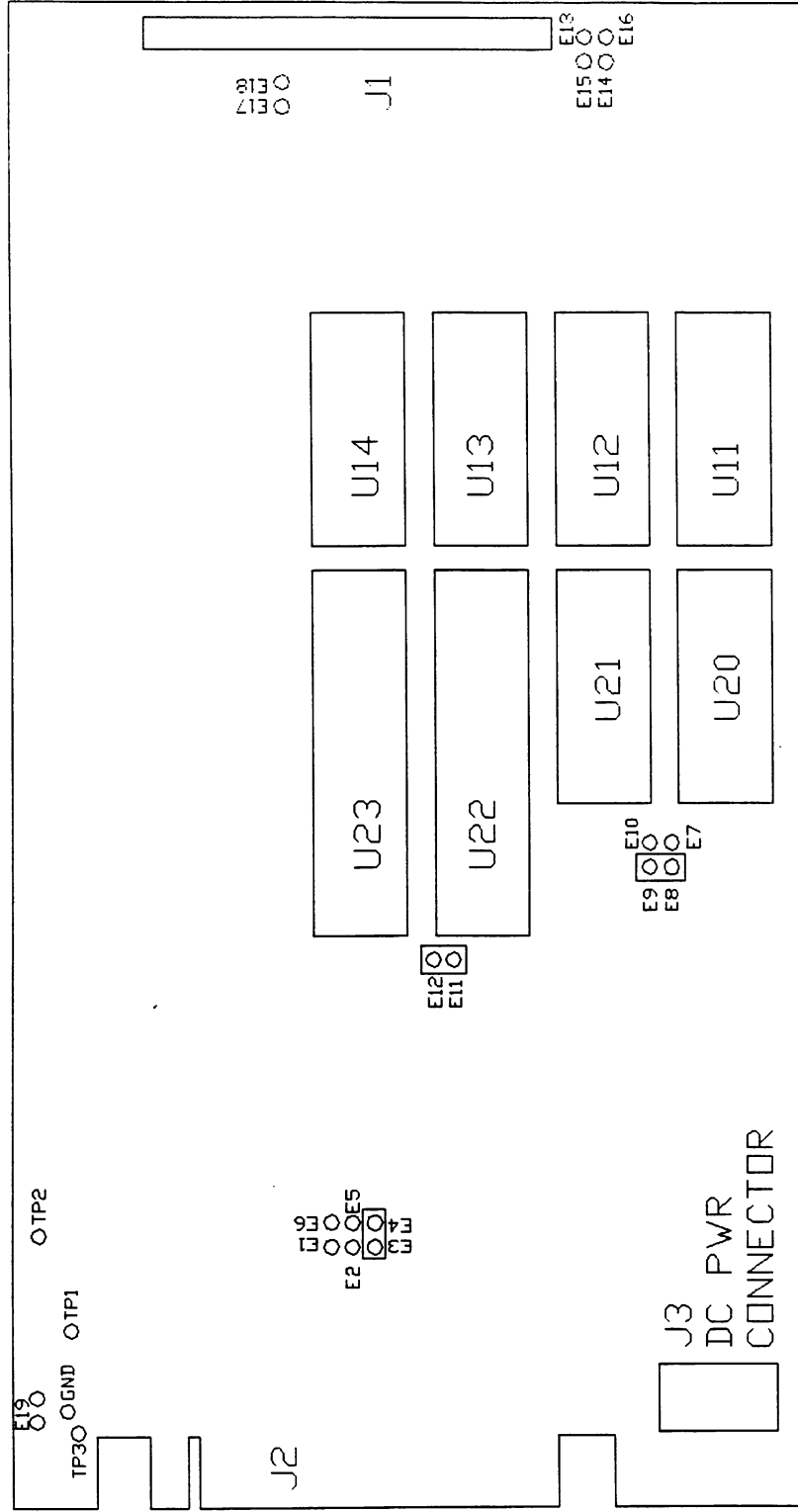


Figure 78. Tape Cartridge Controller Board (TCS-100)

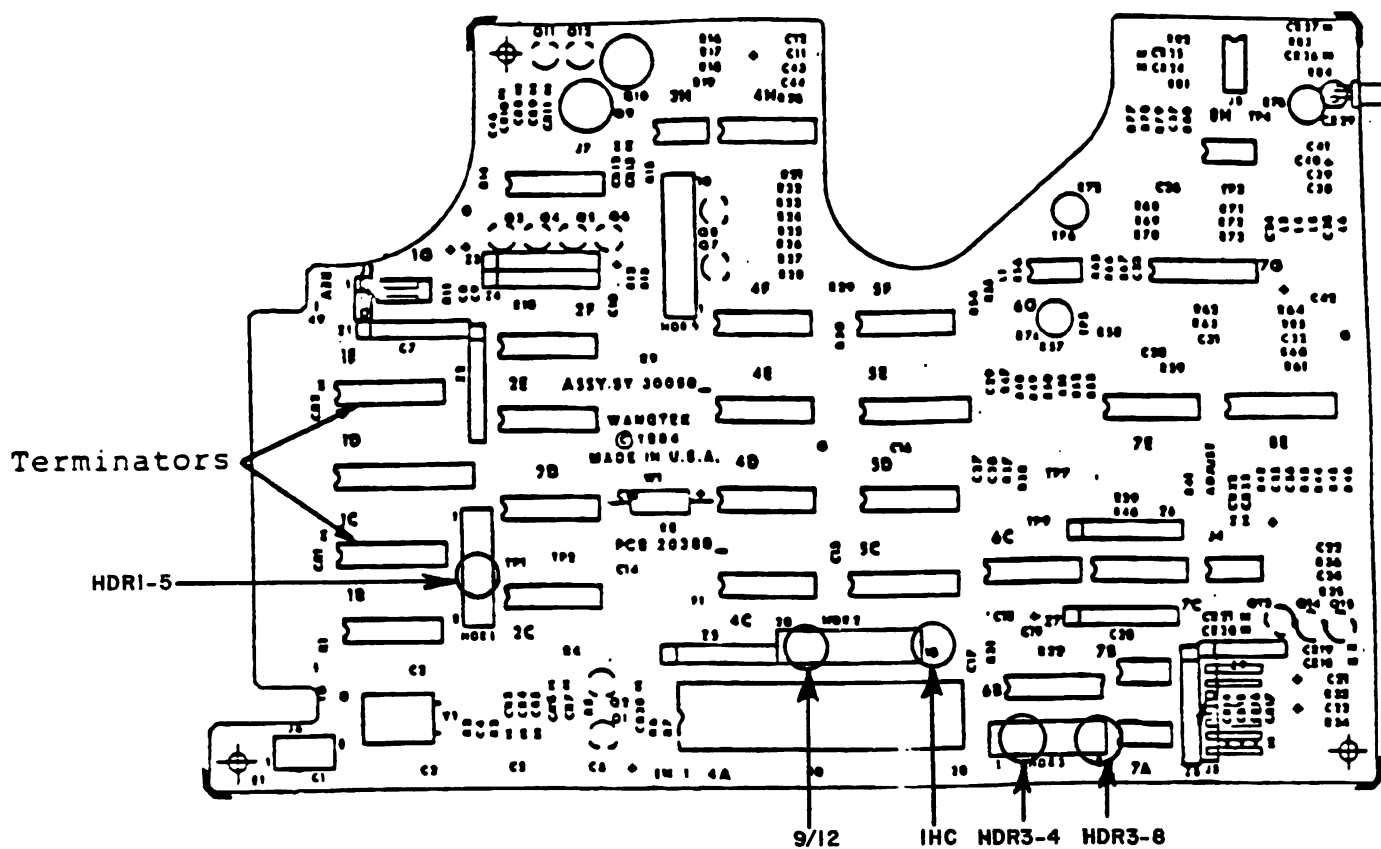


Figure 79. Tape Cartridge Drive Logic Board.

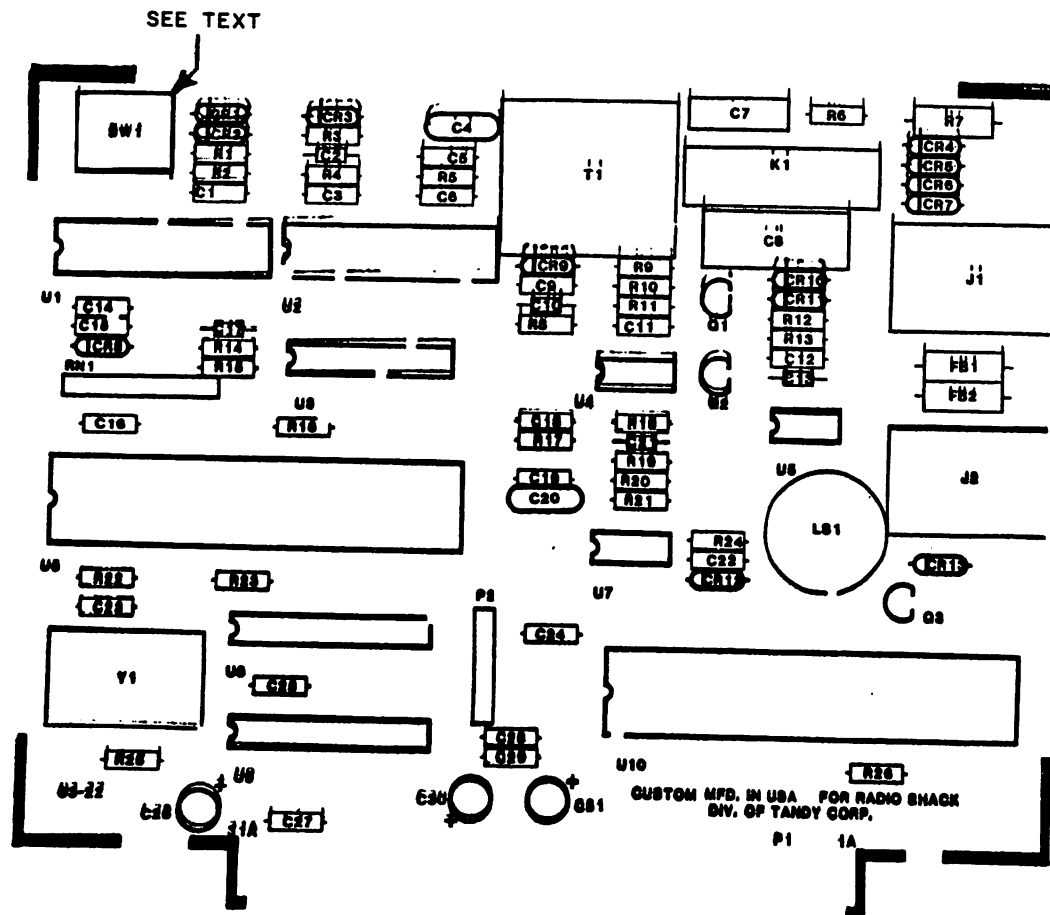


Figure 82. Tandy 1000 Internal 1200 Baud Modem.

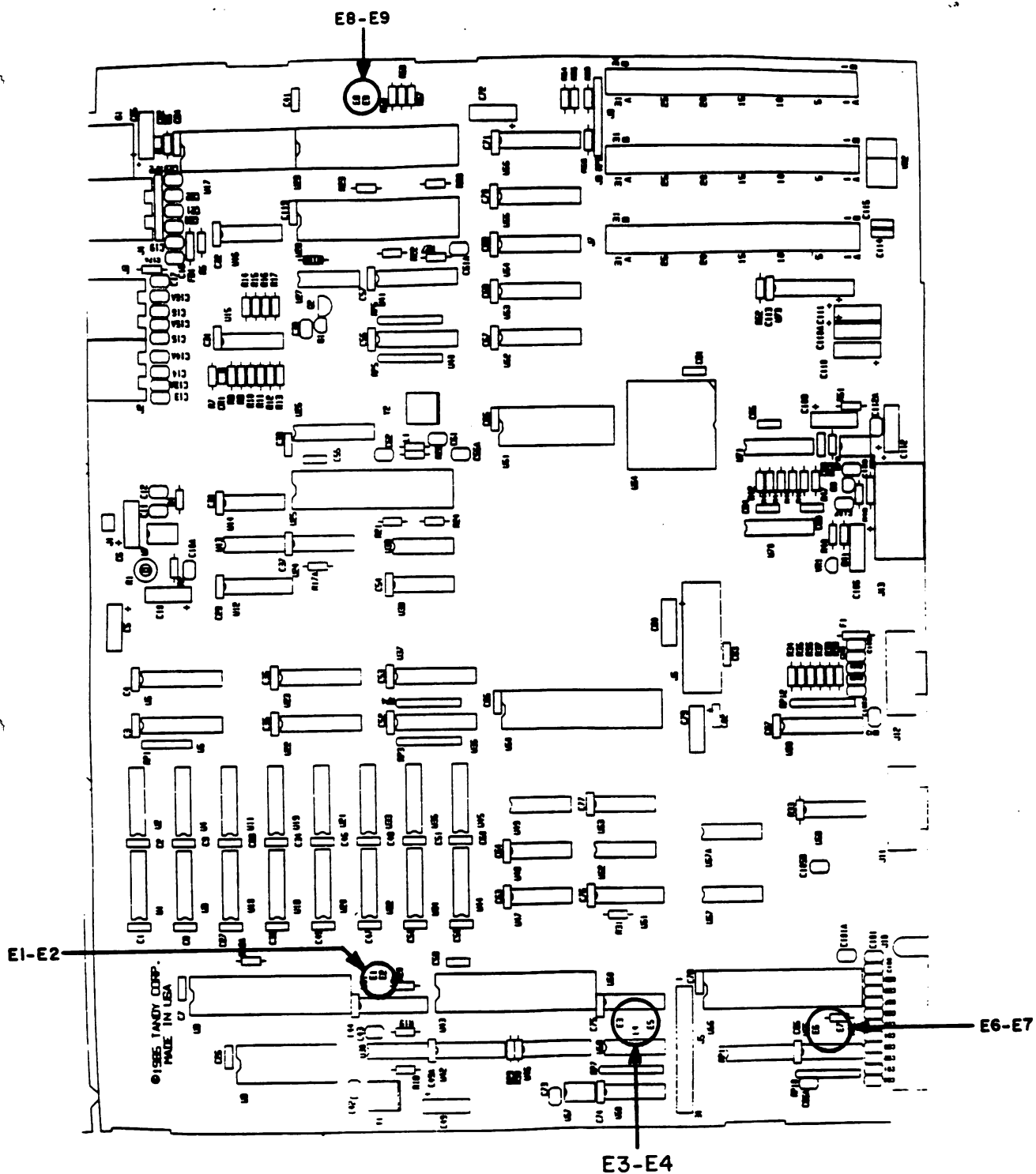


Figure 83. Tandy 1000A Main Logic Board.

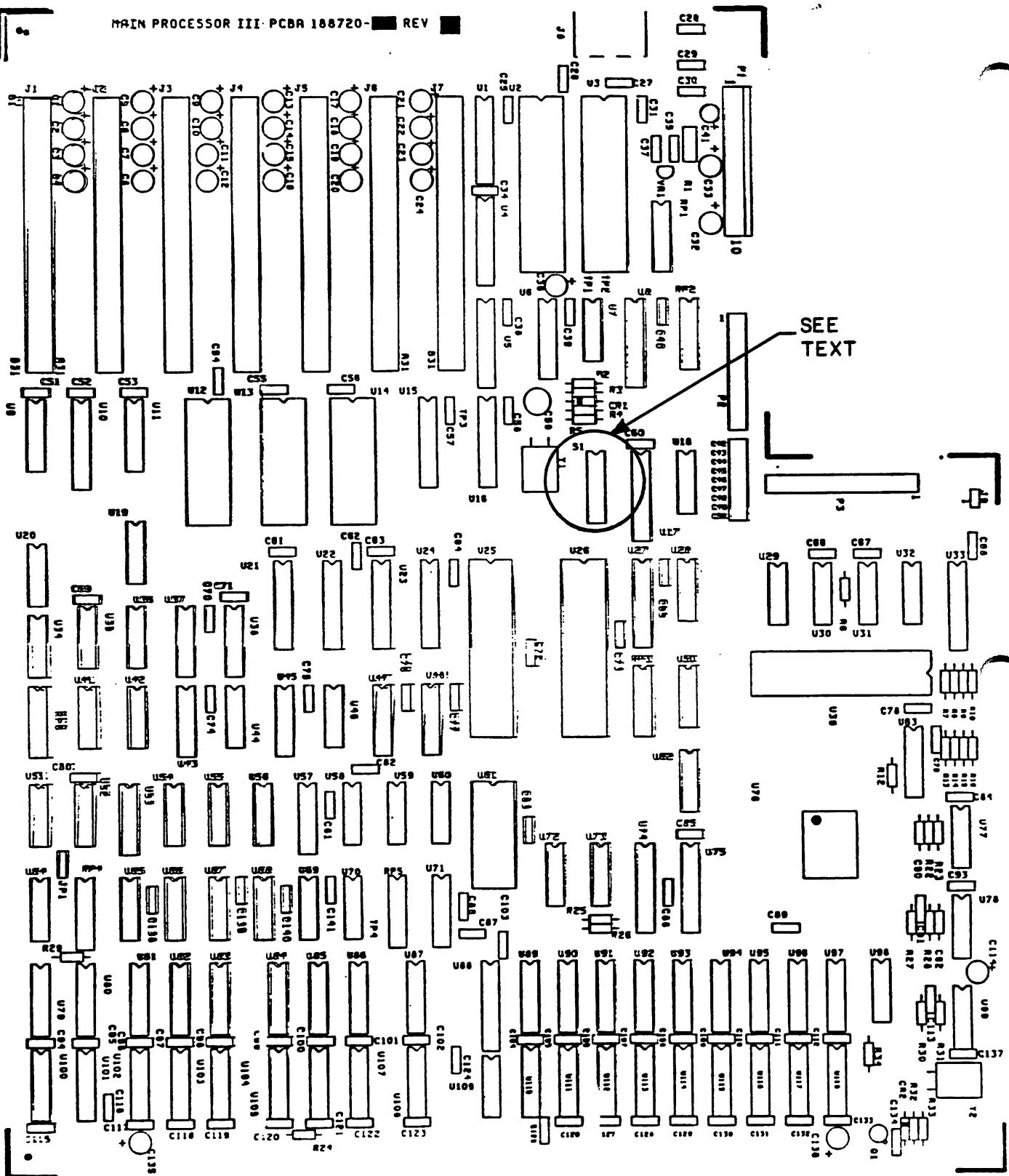


Figure 84. Tandy 1200A Main Logic Board.

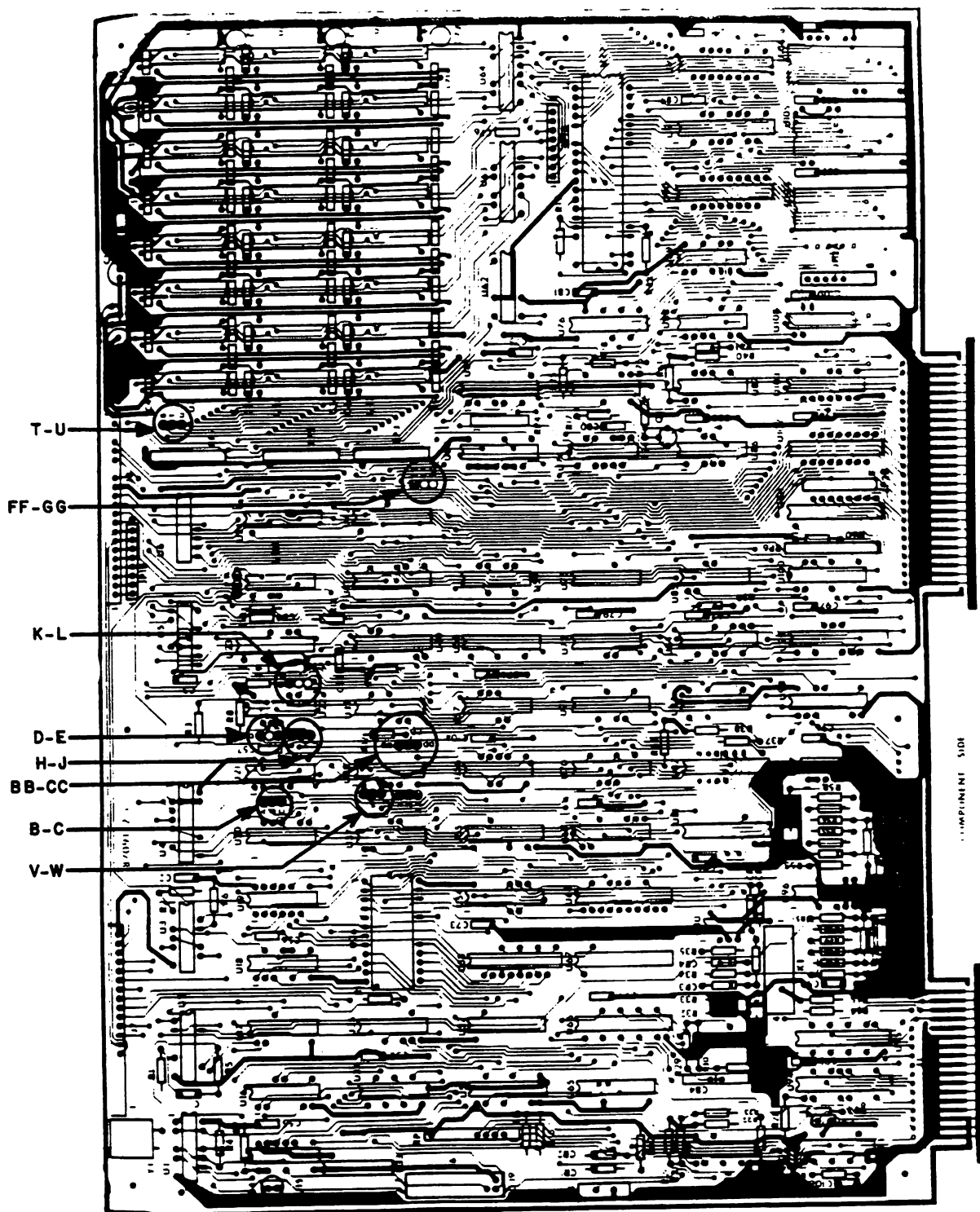


Figure 85. 4K Model III Main Logic Board.

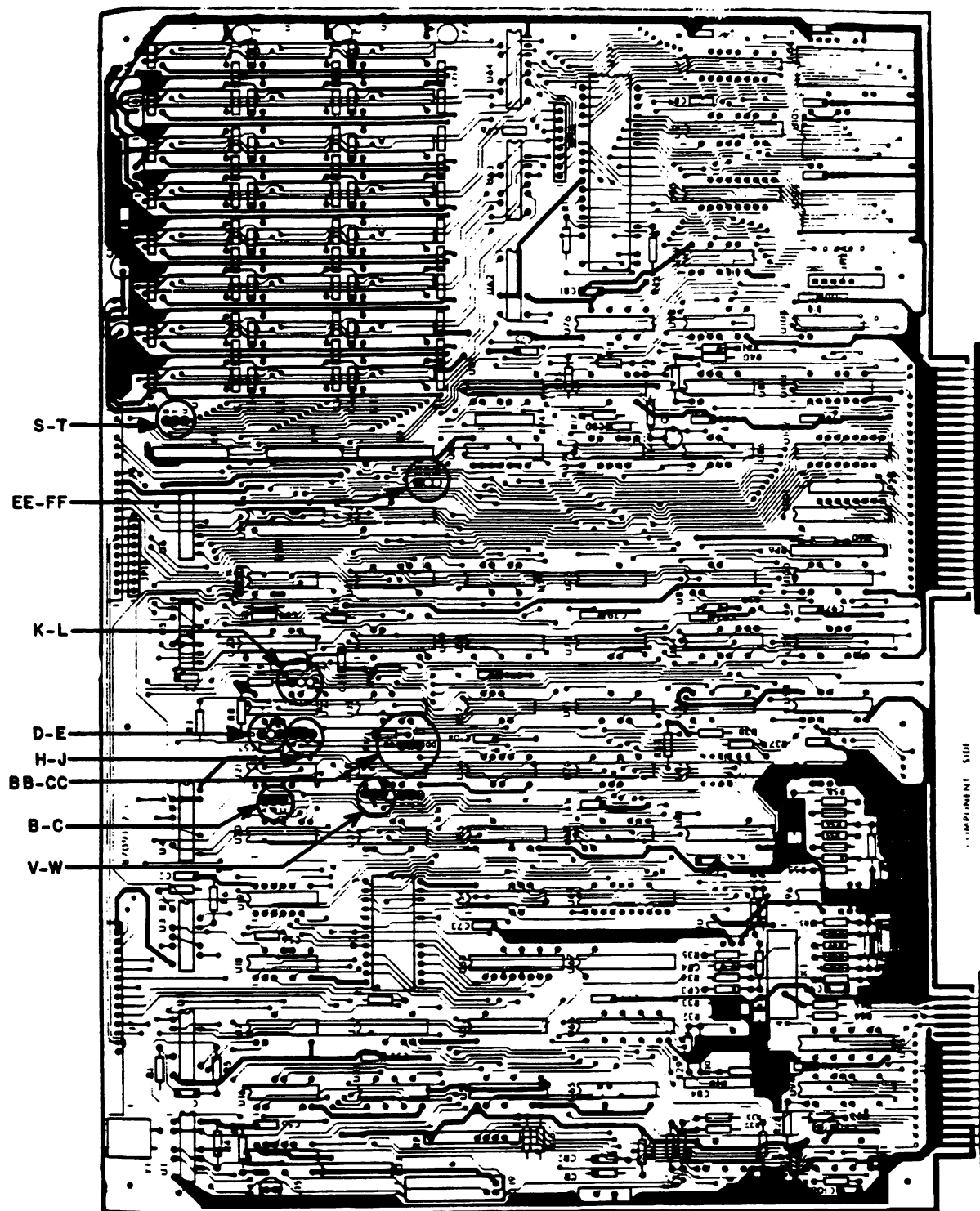


Figure 86. 16K/32K/48K Model III Main Logic Board.

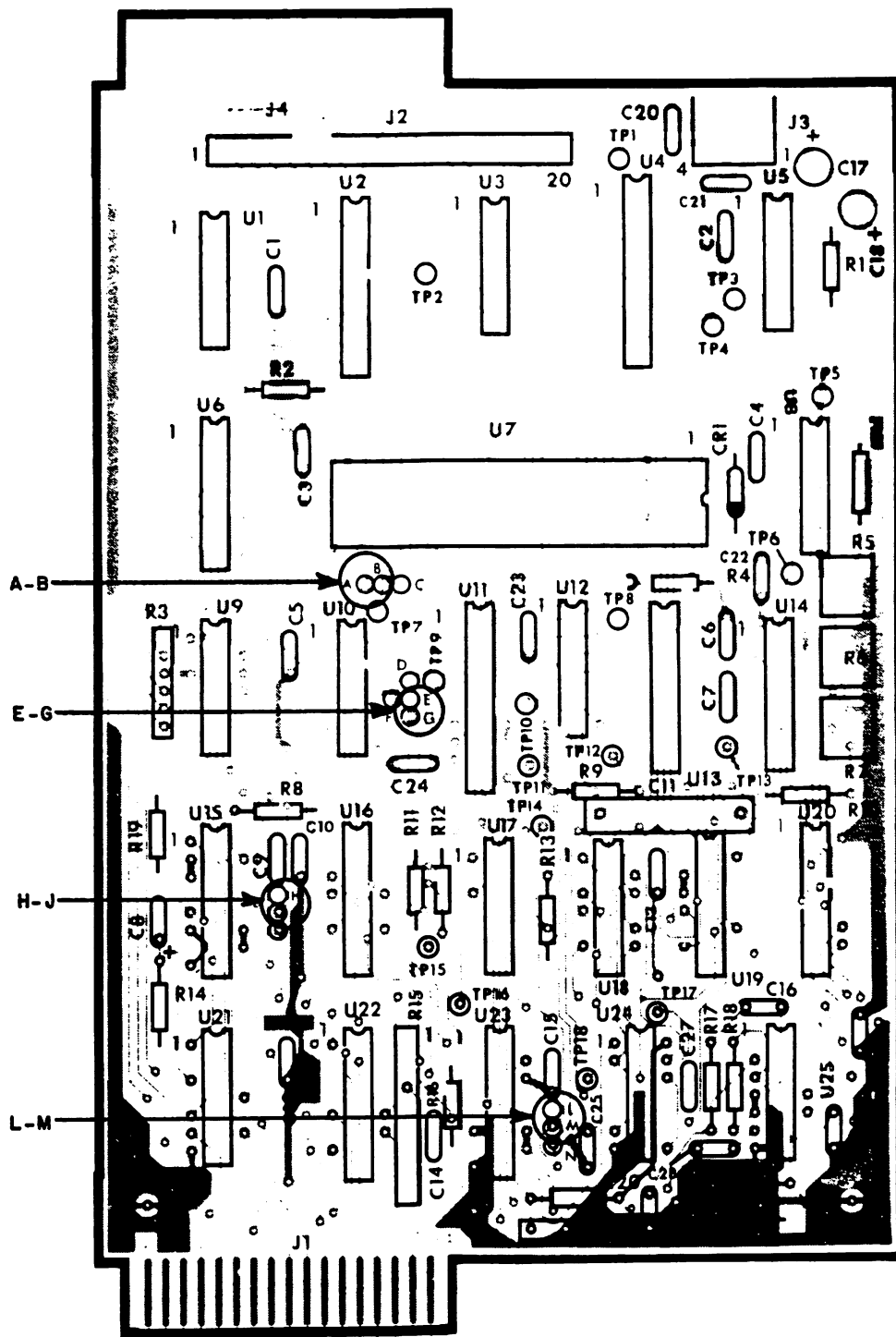


Figure 87. Model III/4 Early FDC Board.

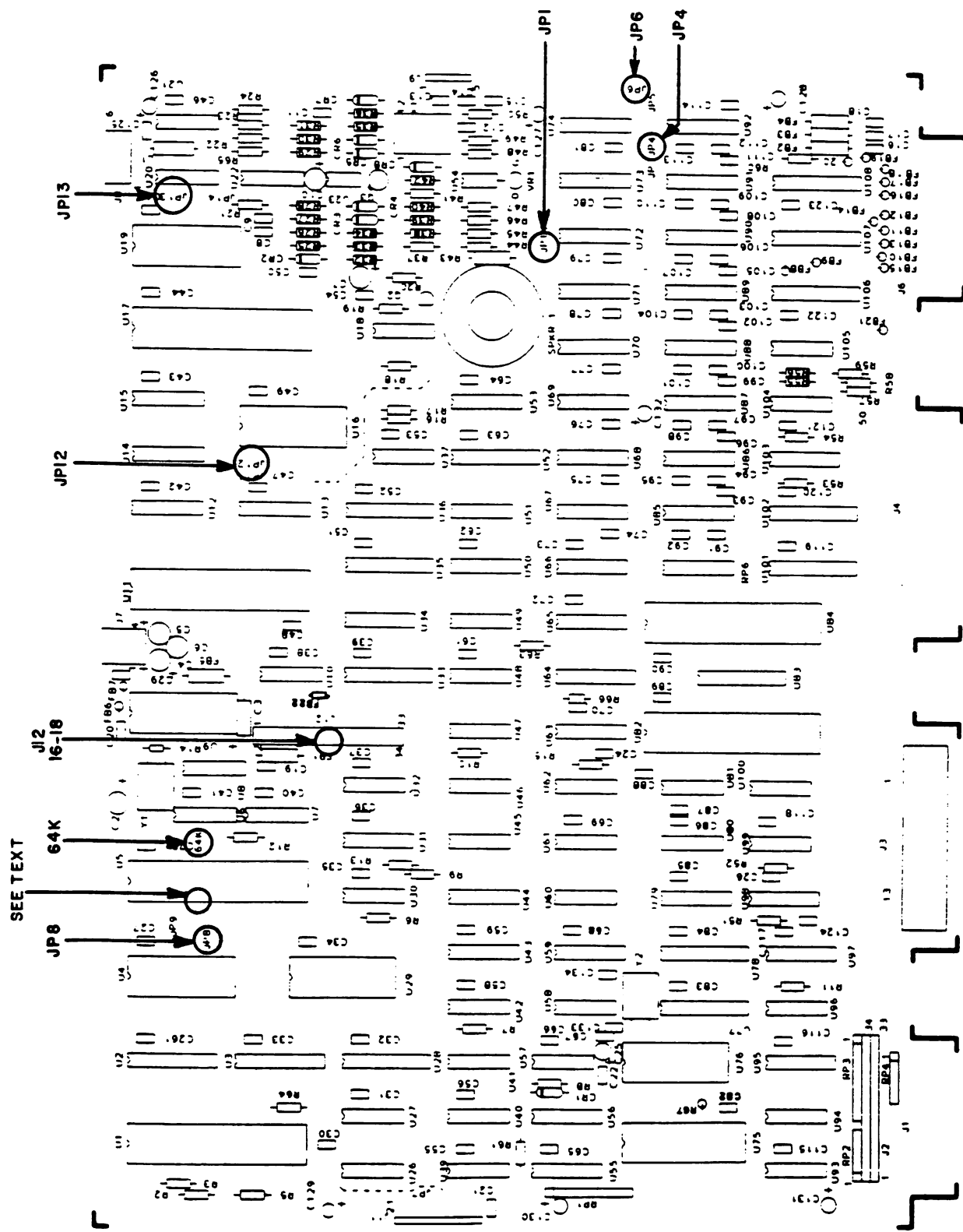


Figure 90. 64K/128K Model 4 Gate Array PCB

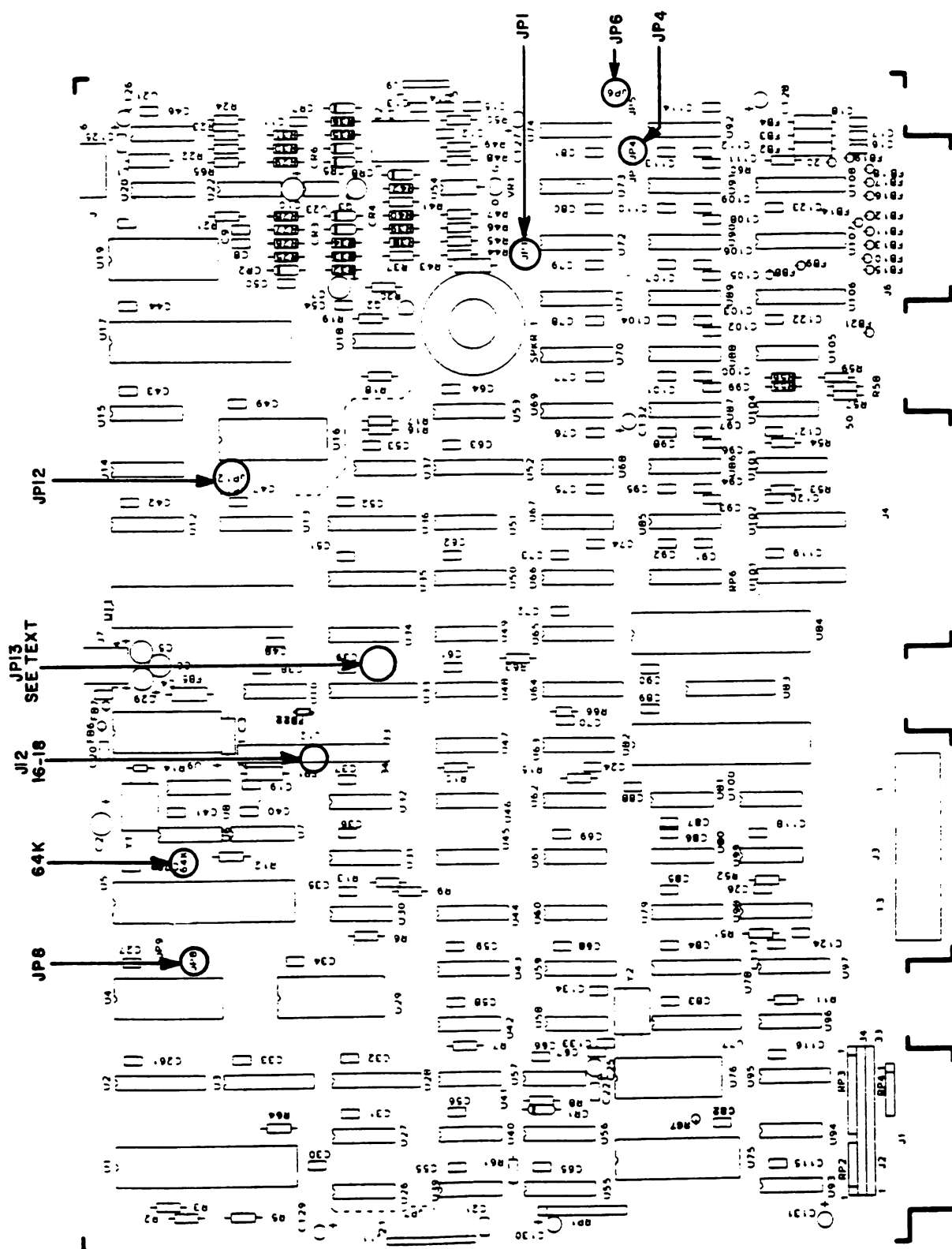


Figure 91. 64K/128K Model 4D Main Logic Board.

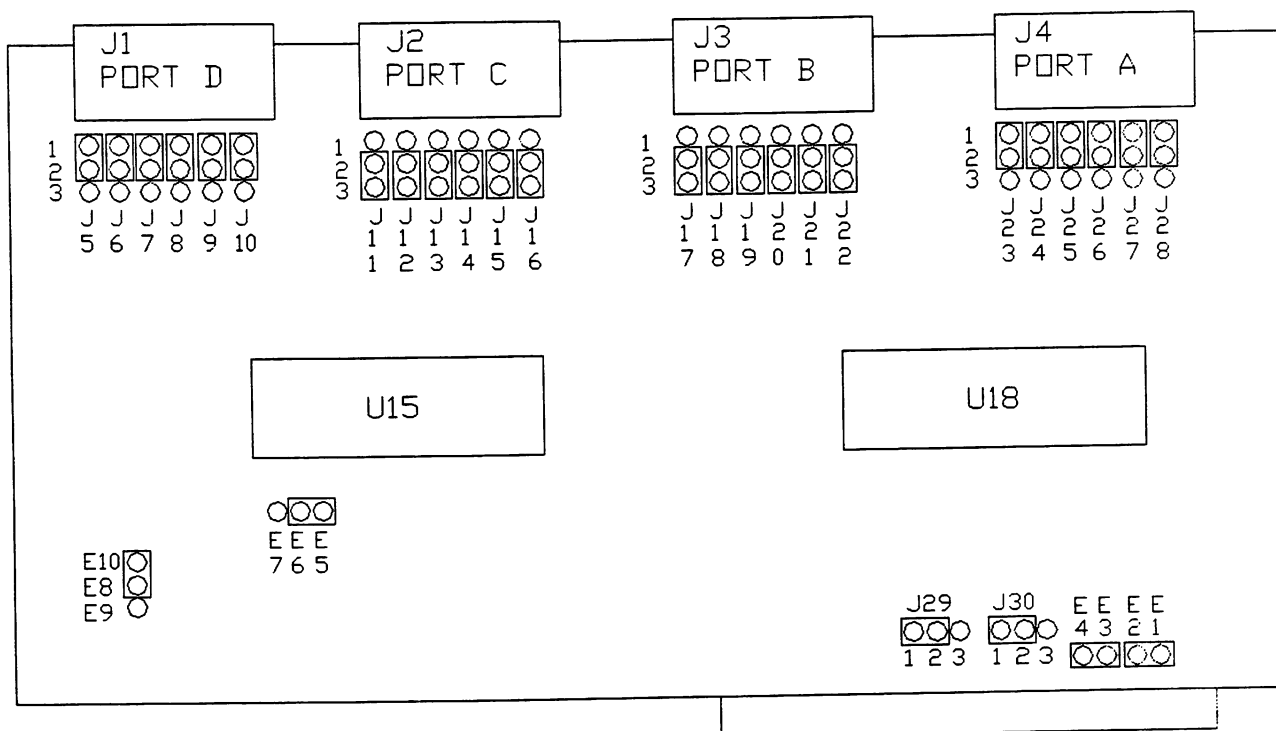


Figure 92. Tandy 2000 Serial Expansion Board

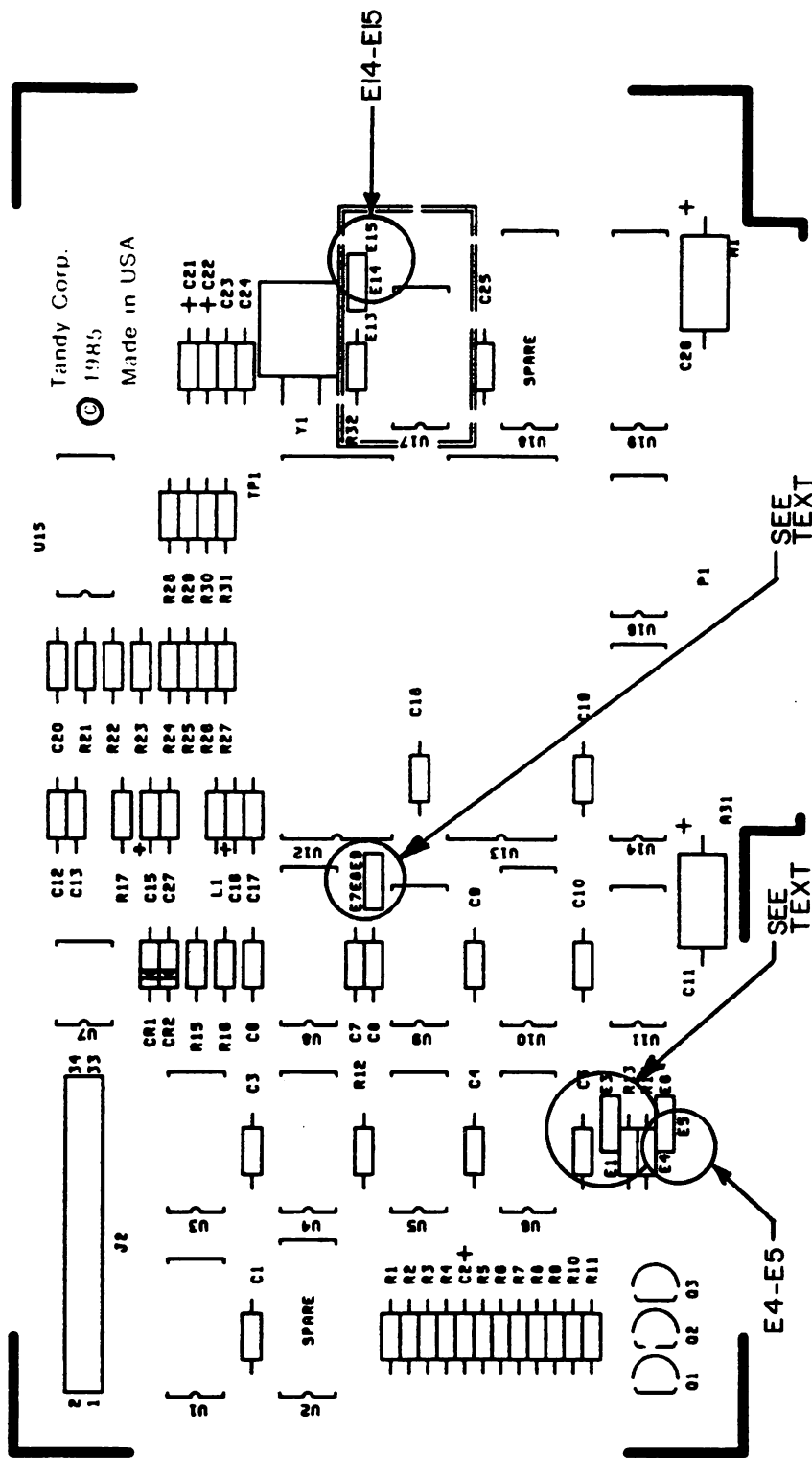


Figure 94. Tandy 3000 Floppy Disk Controller Board.

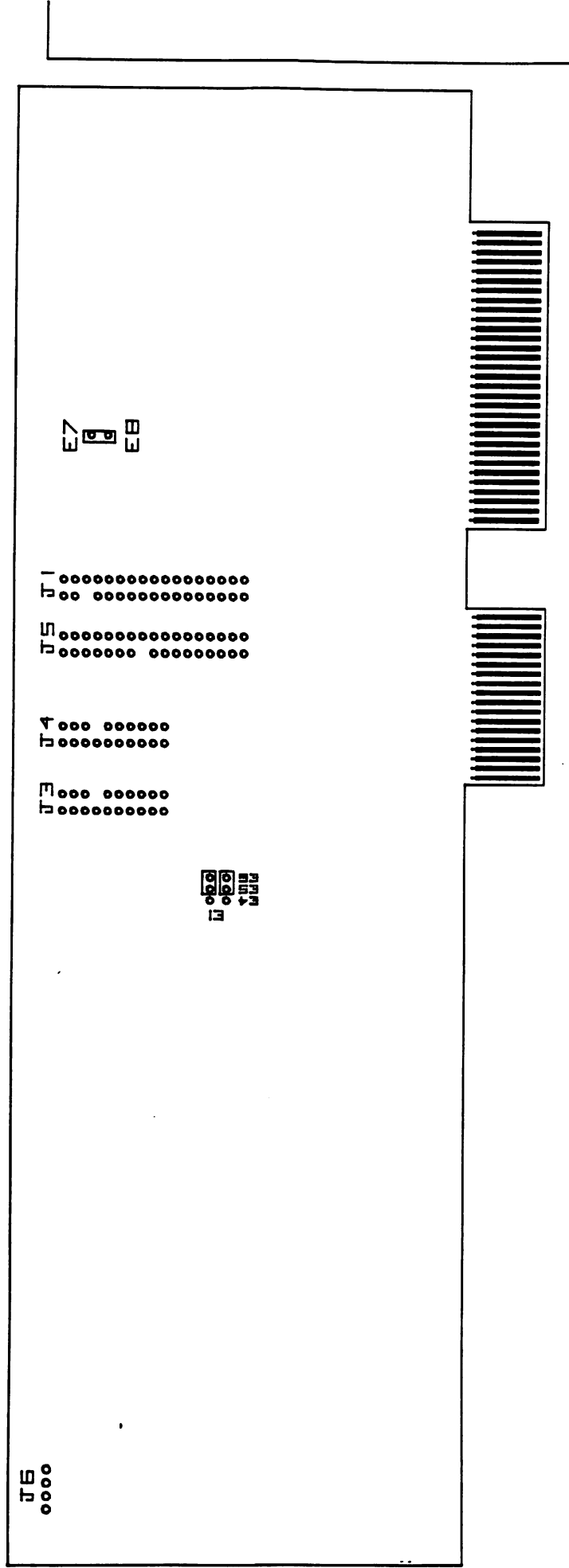


Figure 95. Tandy 3000 Floppy/Hard Disk Controller Board.

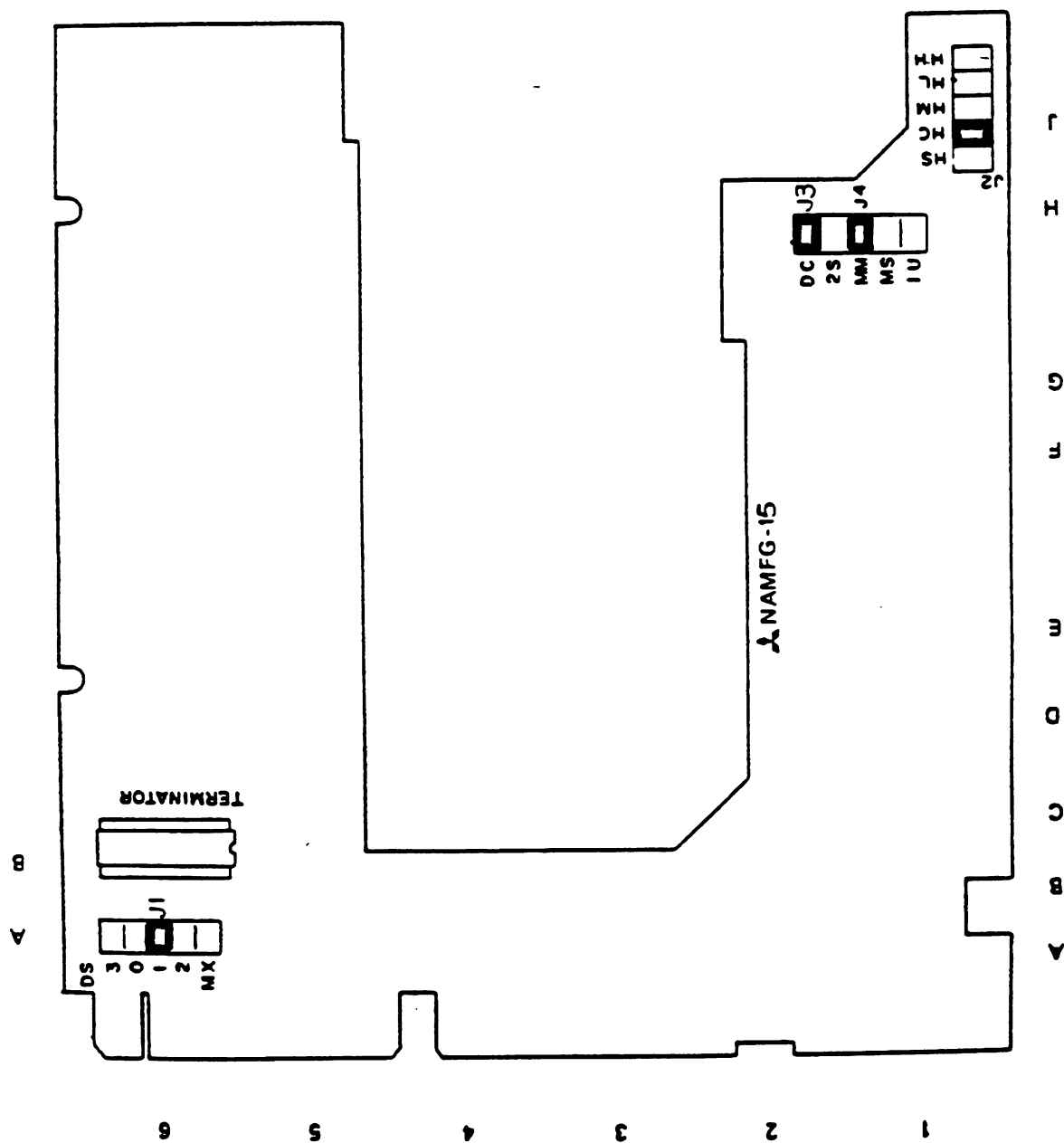


Figure 96. Mitsubishi M4851 Floppy Drive Logic Board.

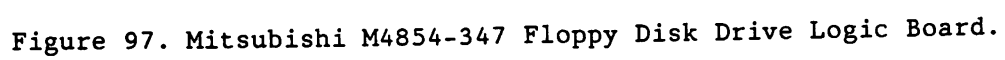


Figure 97. Mitsubishi M4854-347 Floppy Disk Drive Logic Board.

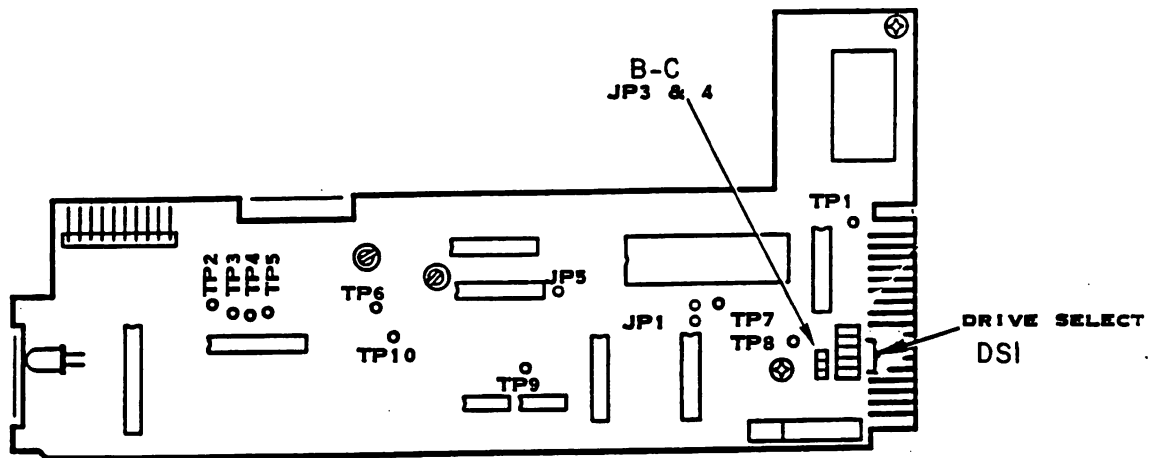


Figure 98. Tandon TM65-2L Floppy Drive Logic Board.

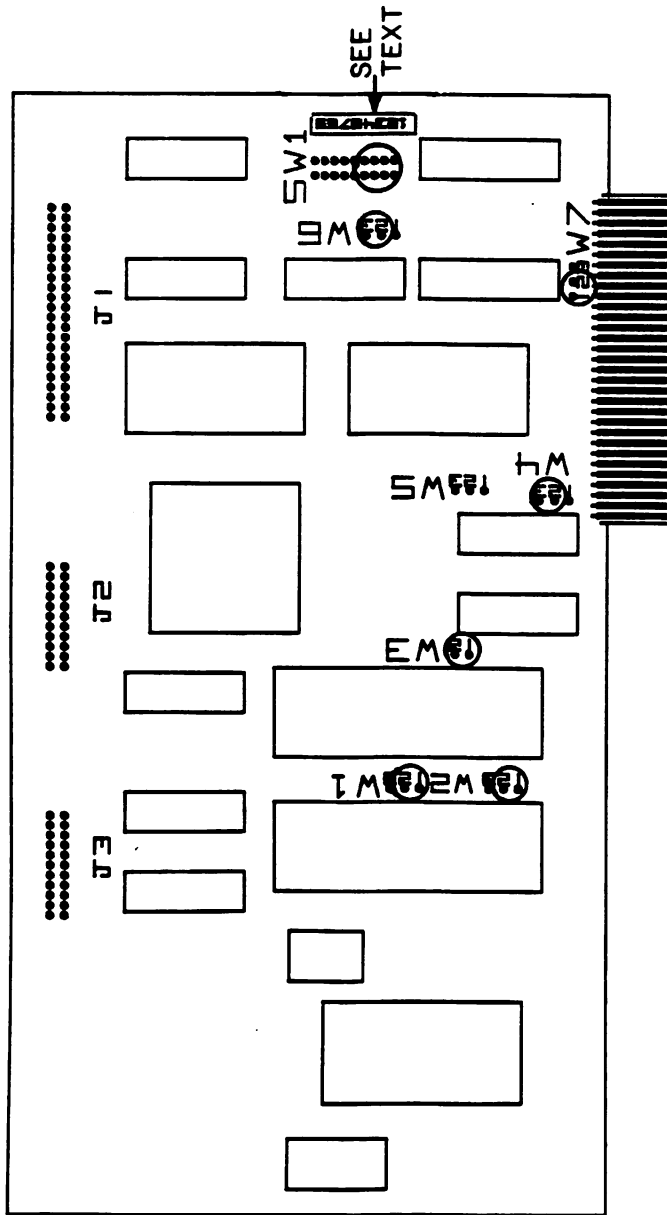


Figure 99. Tandy 1200 WD1010 (short) Hard Drive Controller Board.

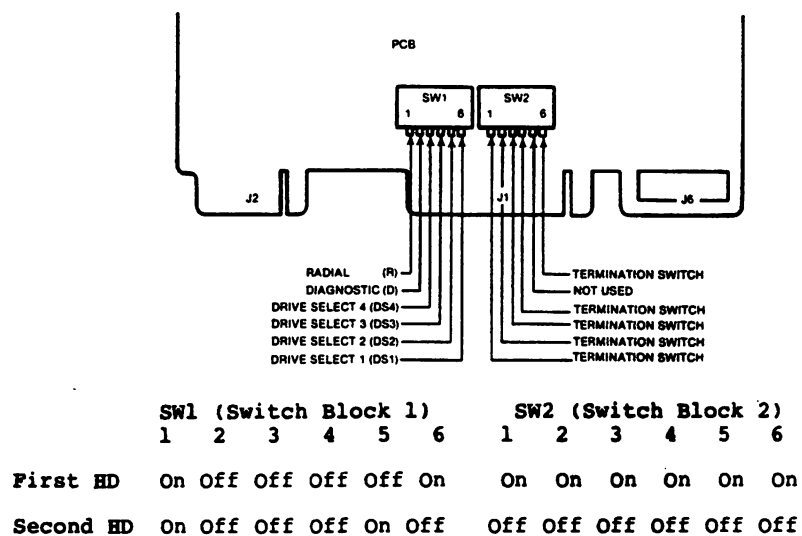


Figure 100. 20 MEG Mitsubishi (MR522) Hard Drive Logic Board.

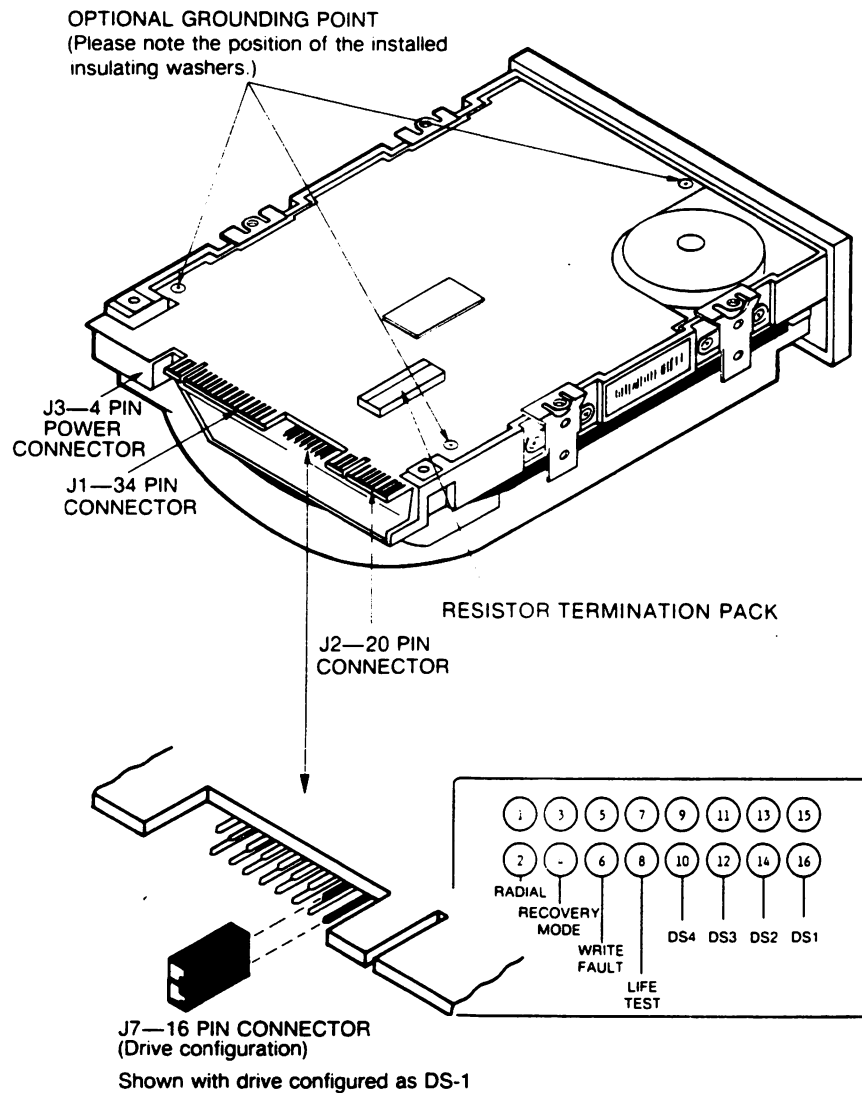


Figure 101. 20 MEG Seagate (ST225) Hard Drive Logic Board.

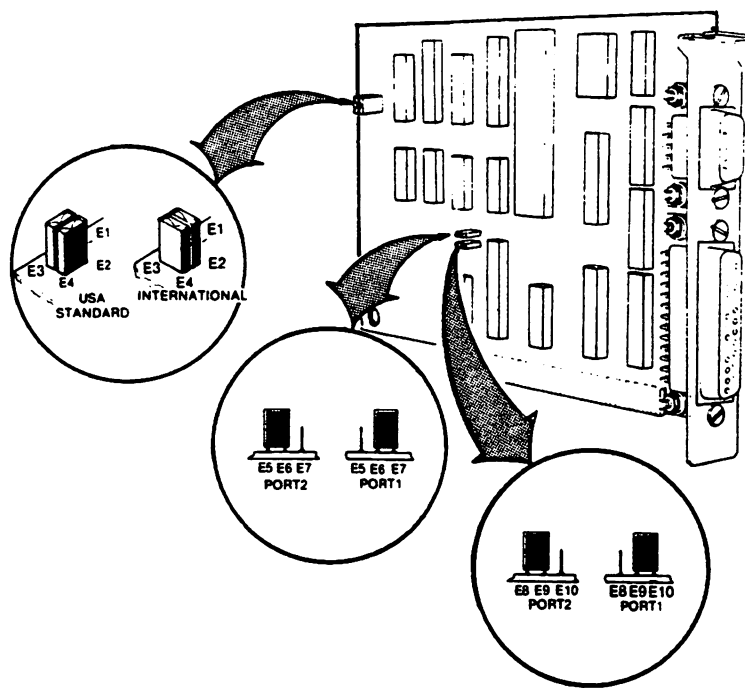


Figure 102. Tandy 3000 Serial/Parallel Board.

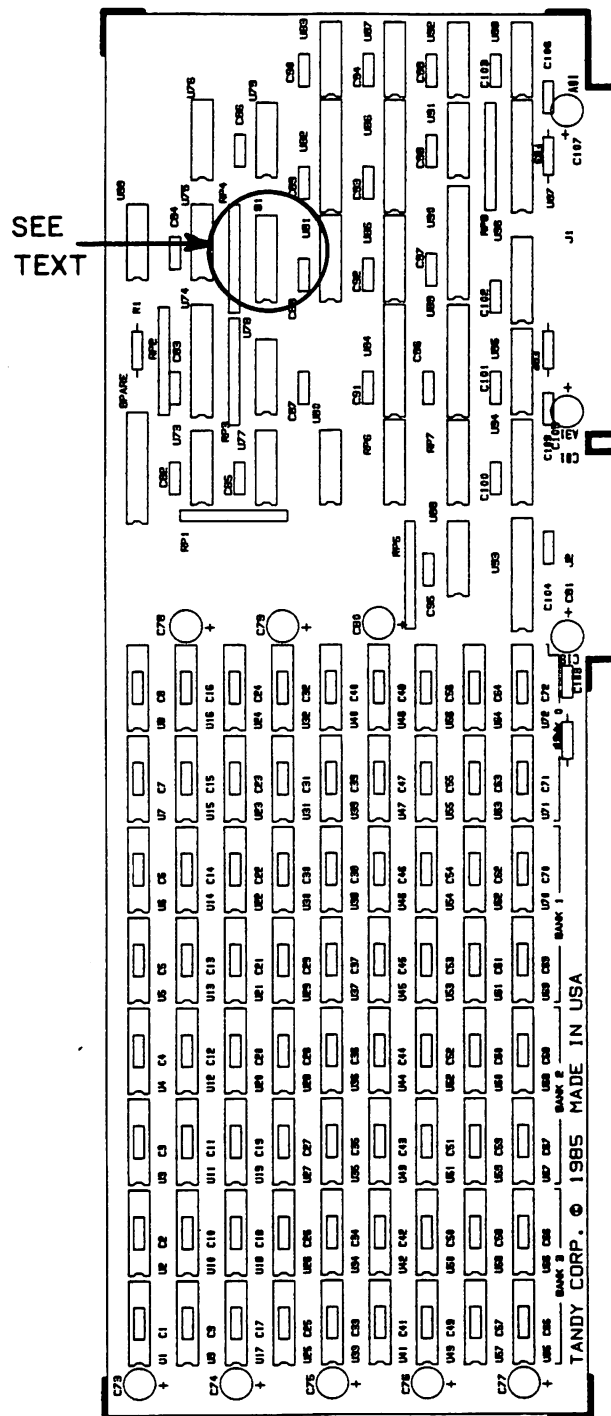


Figure 103. Tandy 3000 2 MEG Memory Board.

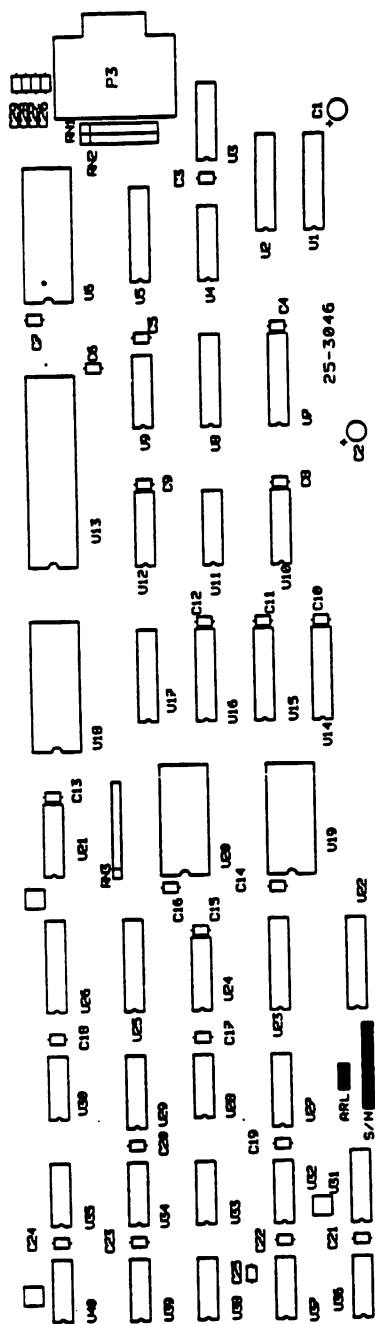


Figure 104. Deluxe Text Display Adapter (Tandy 1200/3000).

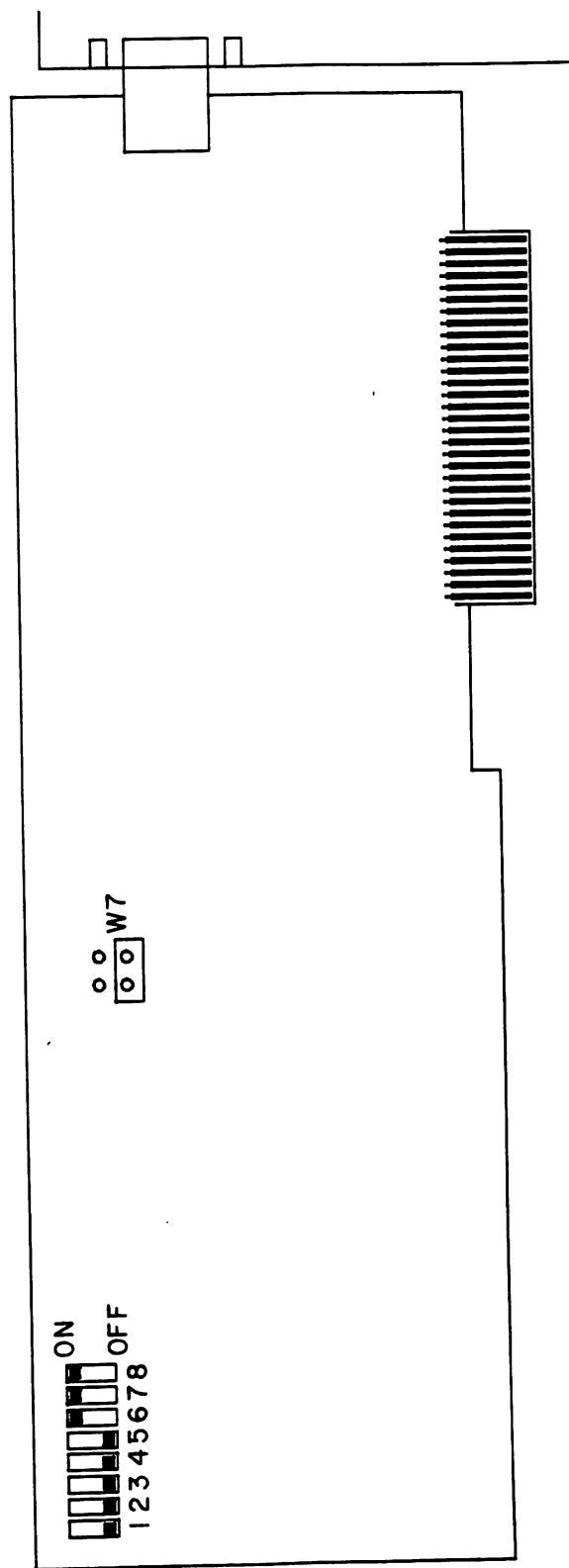
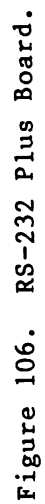


Figure 105. Deluxe Graphics Display Adapter (Tandy 1200/3000).



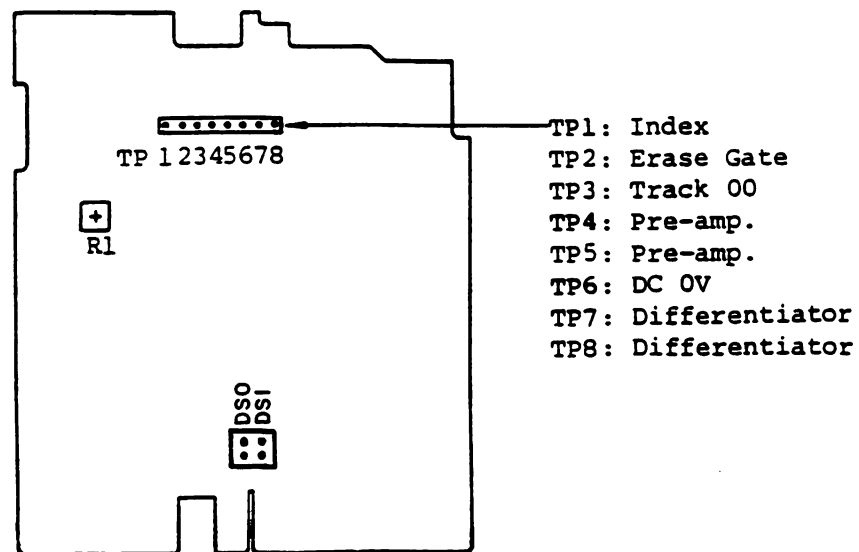


Figure 107. TEAC FD-55BV Floppy Drive Logic Board.



Figure 108. Mitsubishi MF501A Floppy Drive Logic Board.



Figure 109. Mitsubishi MF504A Floppy Drive Logic Board.

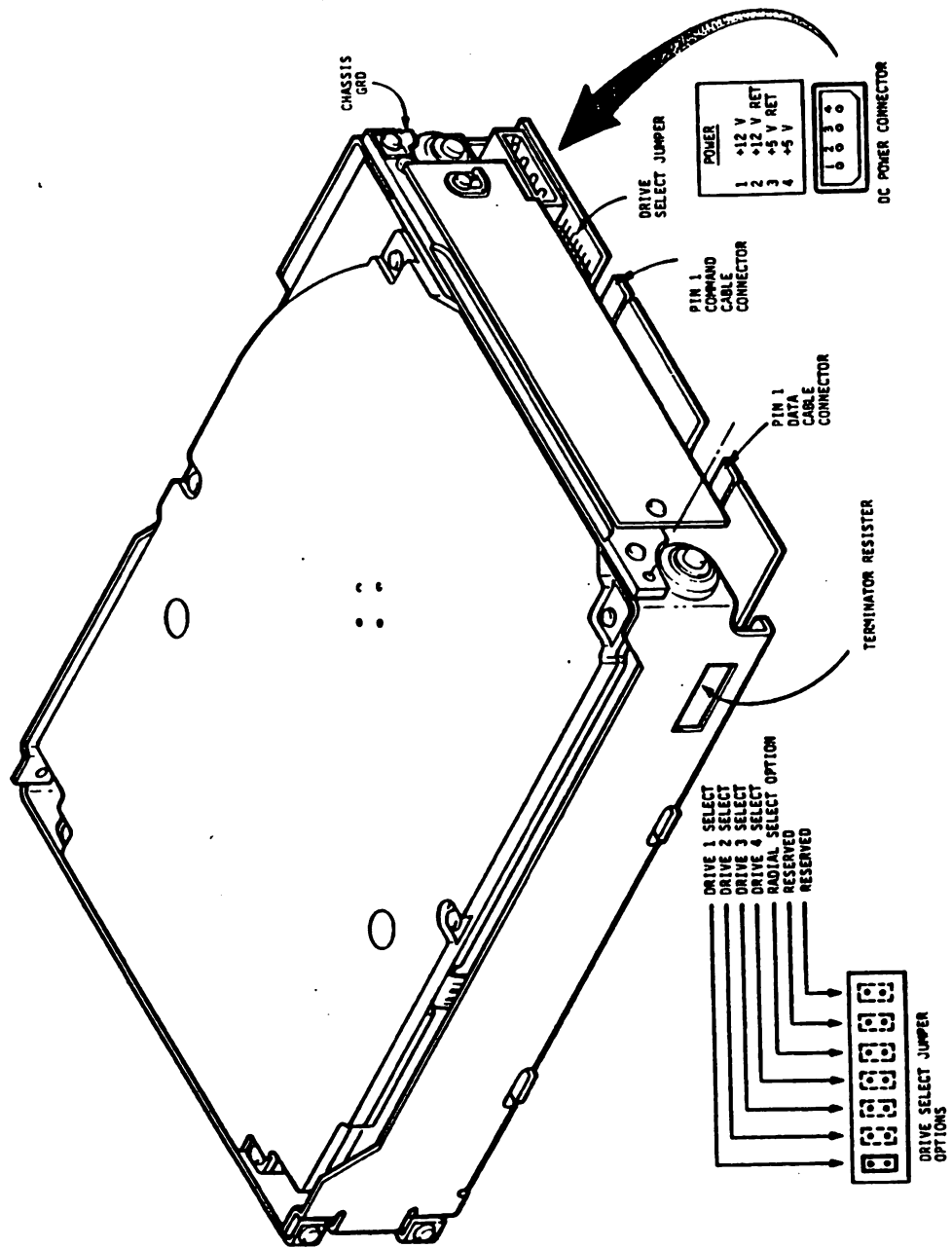


Figure 110. 40 MEG CDC (WREN II) Hard Drive Logic Board.

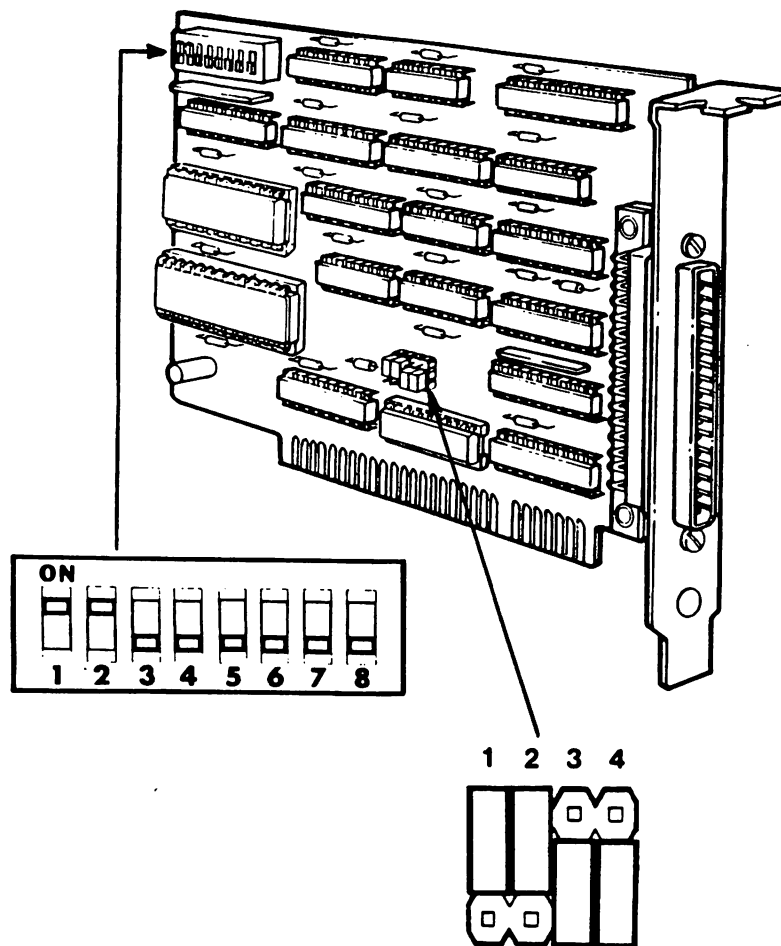


Figure 111. PC2B Disk Cartridge Interface Board.

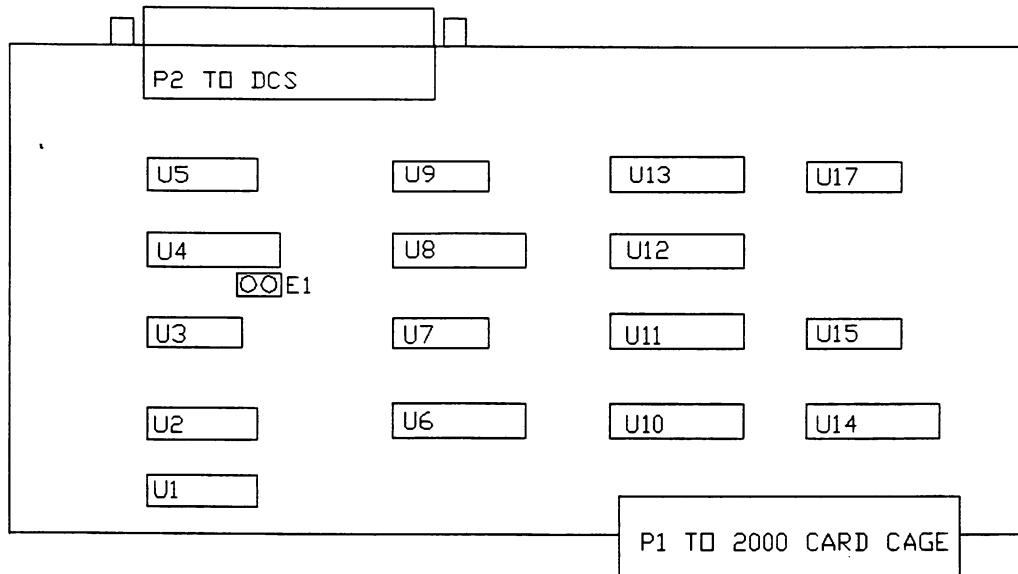


Figure 112. Tandy 2000 Disk Cartridge Interface board

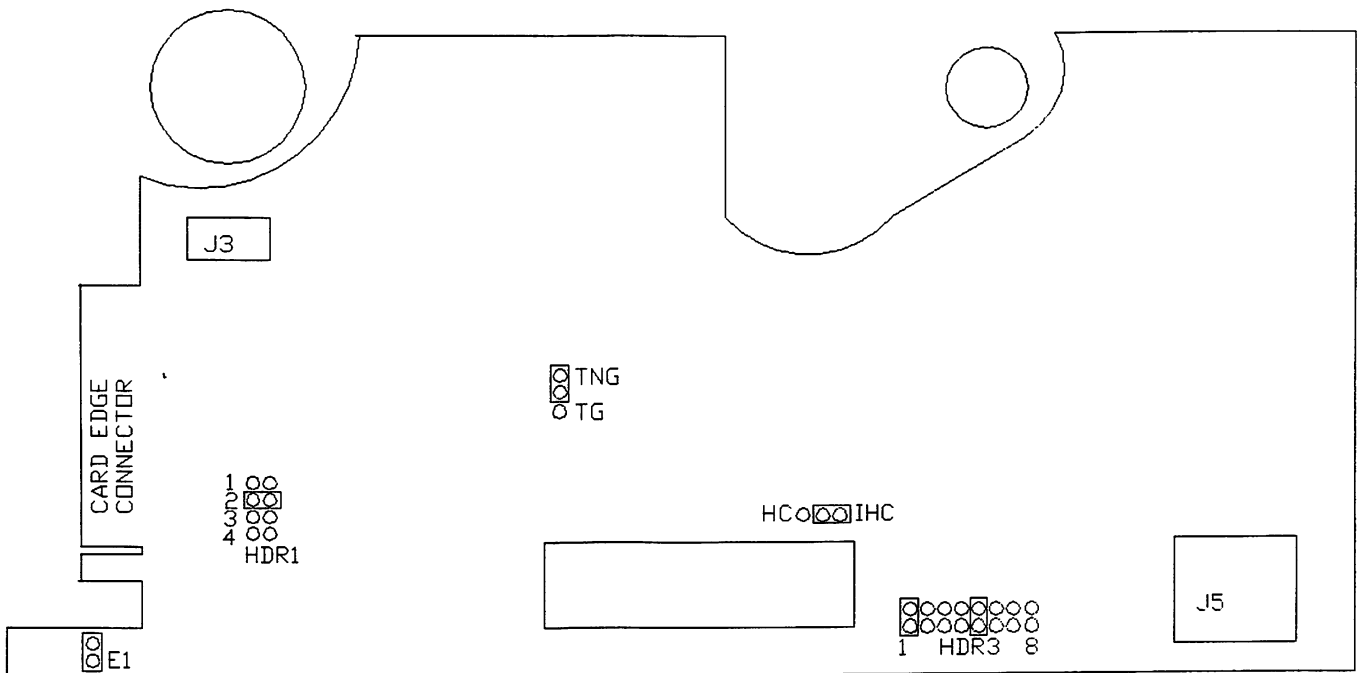


Figure 113. Tape Cartridge Drive Logic board Rev. C2 (TCS 100)

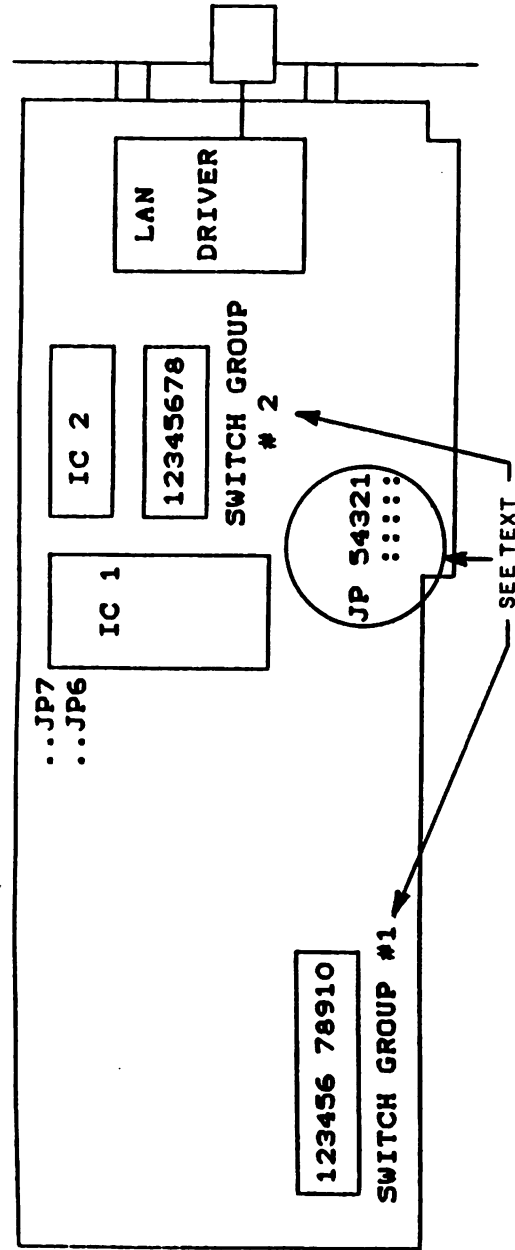


Figure 114. Vianet (Arcnet-PC100) Board (1000/1200/3000).

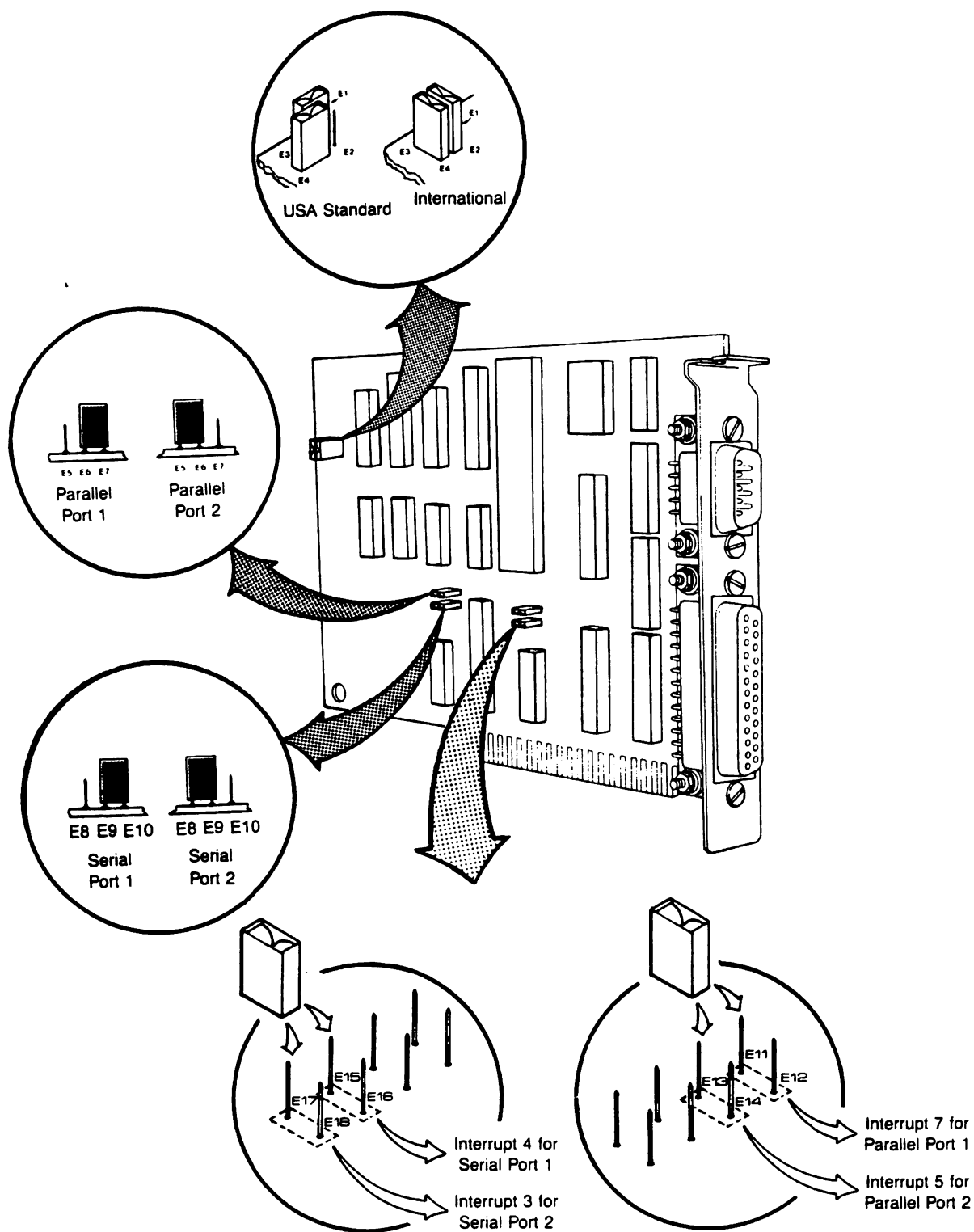


Figure 115. Serial/Parallel Board Revisions B/C

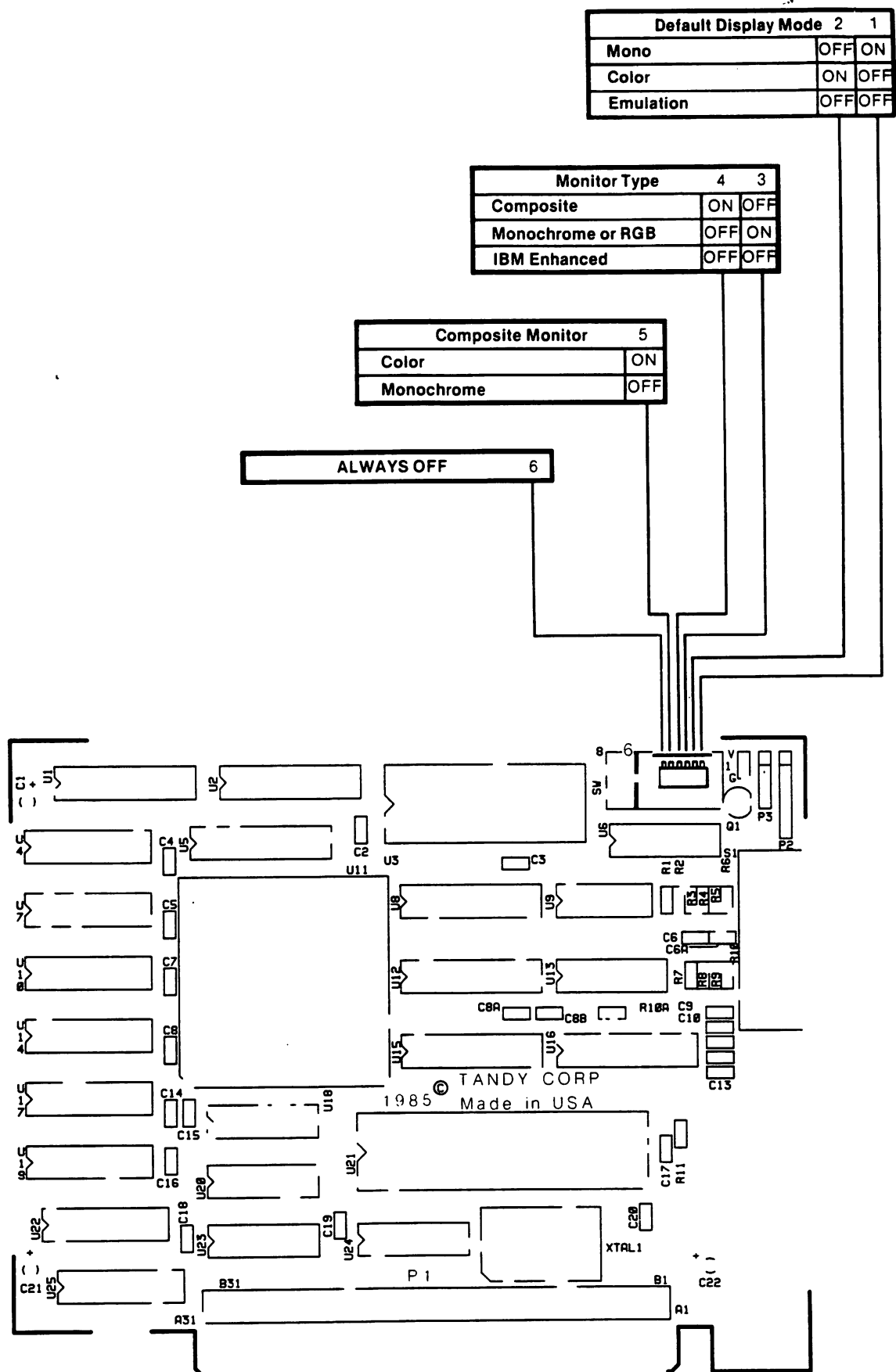


Figure 116. Dual Display Graphics Adapter

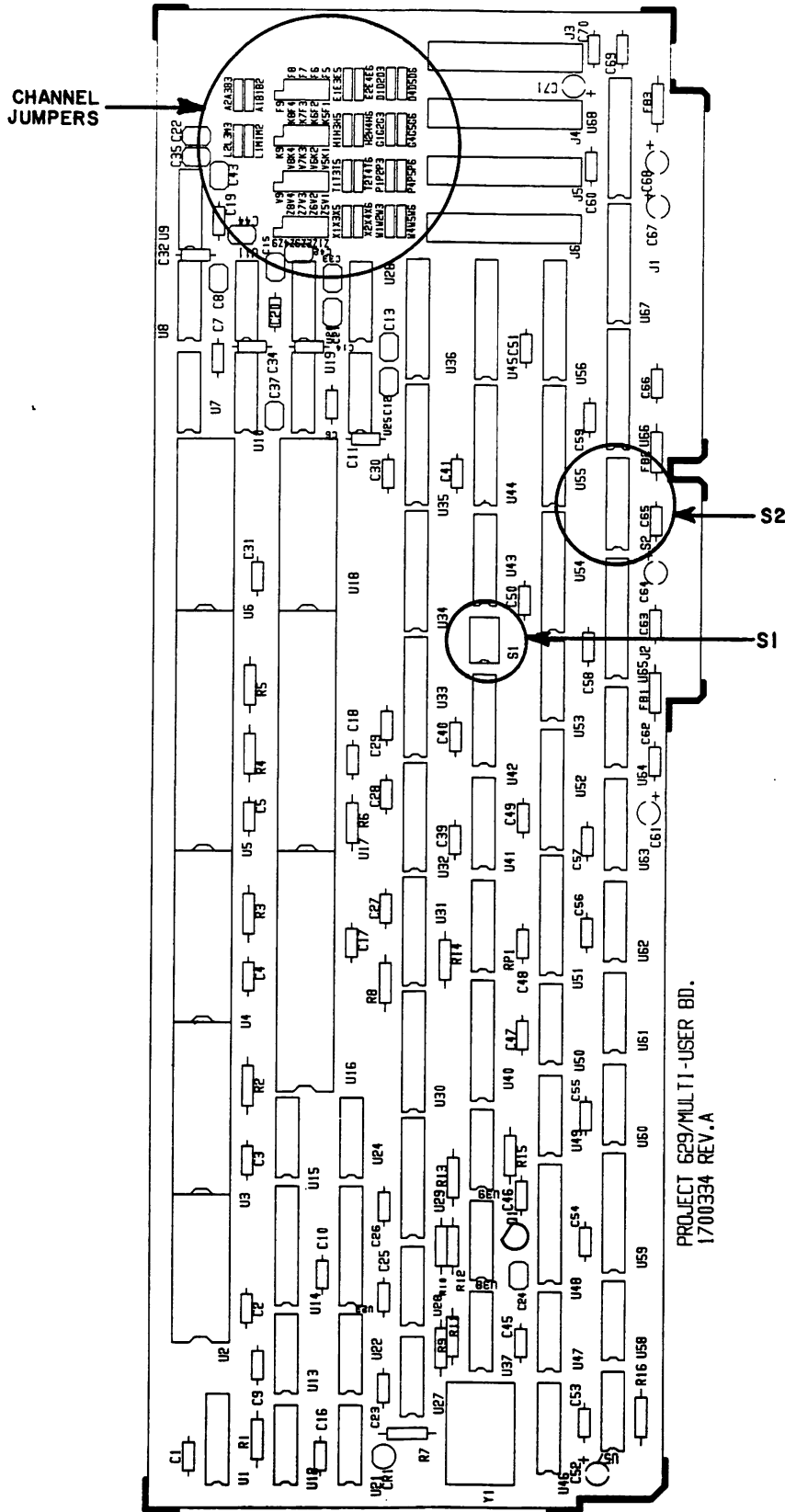


Figure 117. Tandy 3000 Multi-Terminal Board.

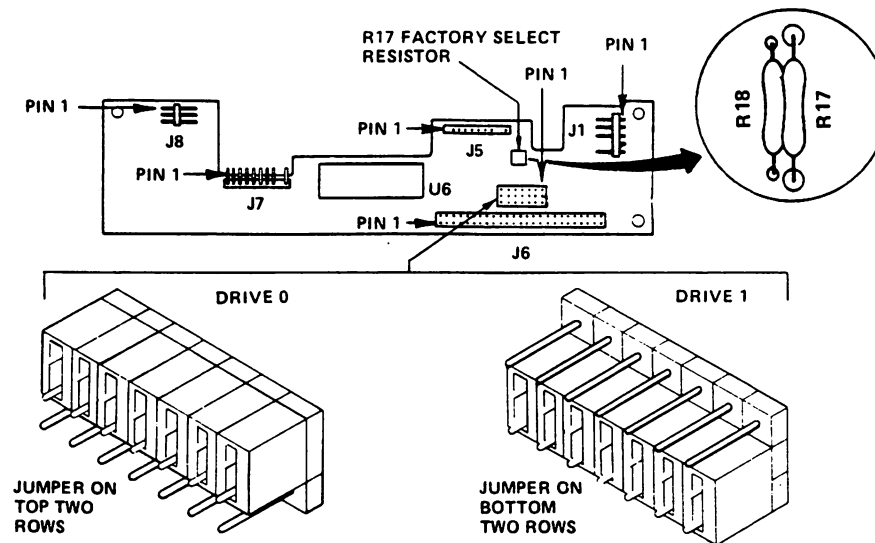


Figure 118. 20 MEG IOMEGA (Alpha-20H) Disk Cartridge Drive Logic.

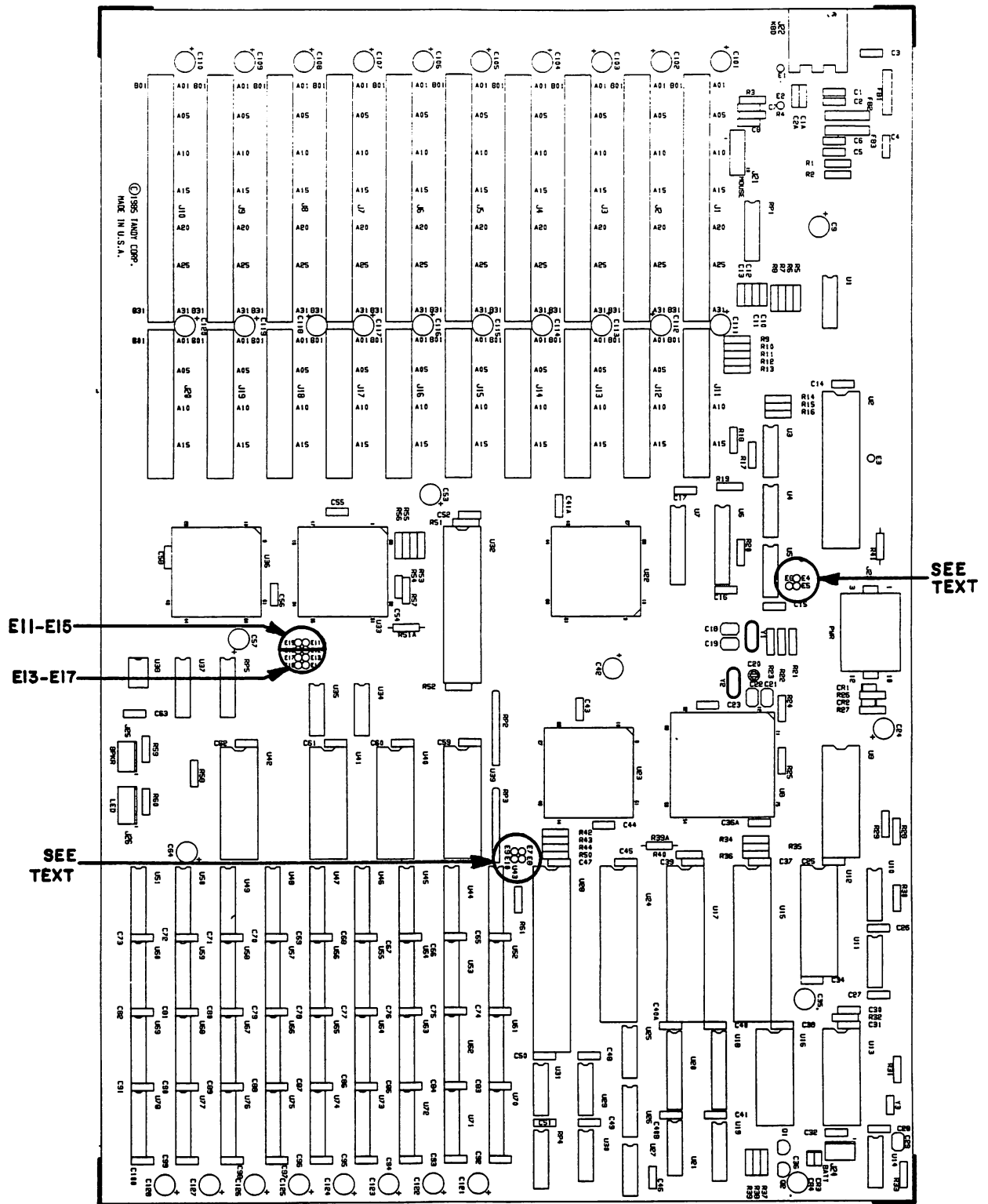


Figure 119. Tandy 3000 Gate Array Main Logic Board.

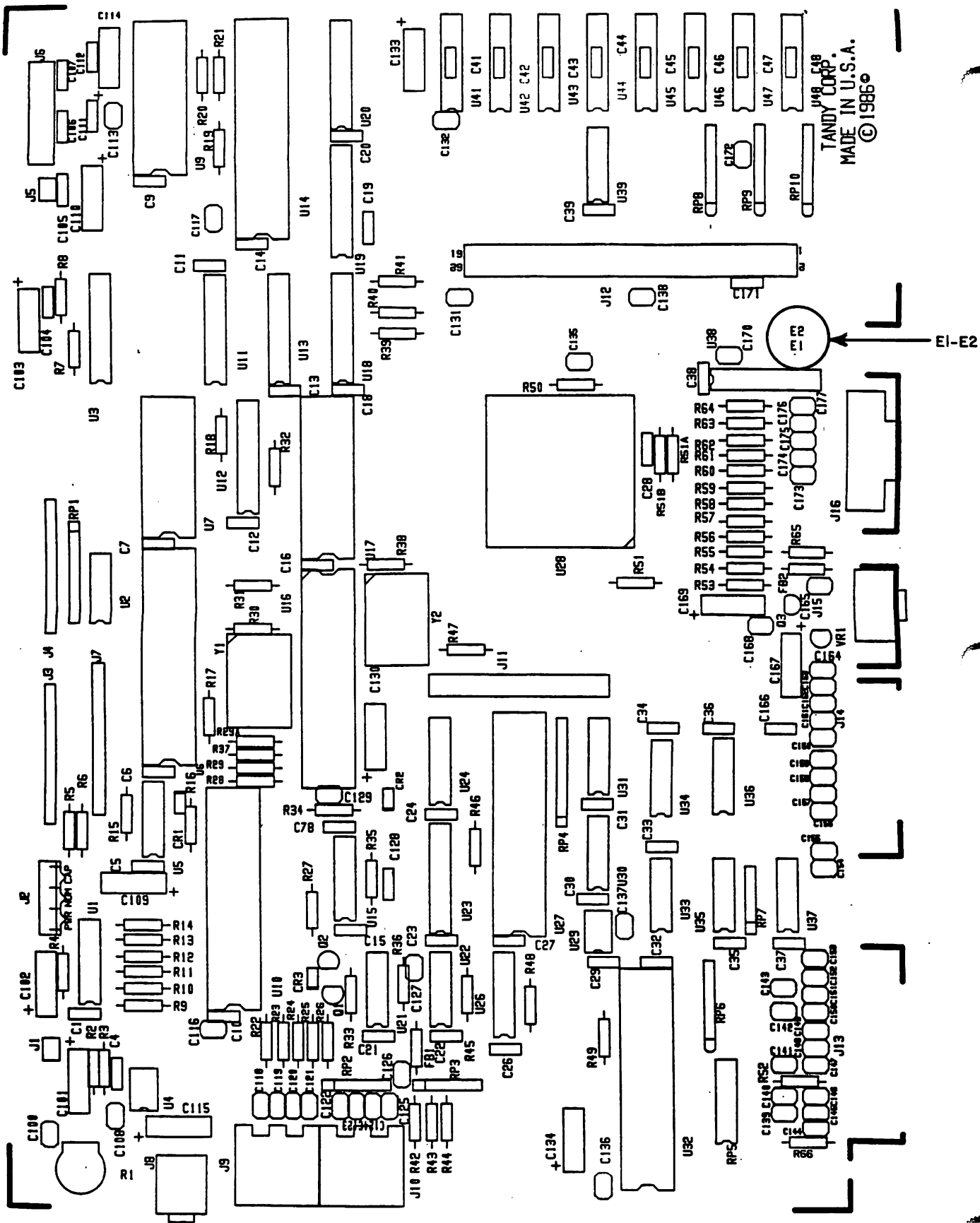


Figure 120. Tandy 1000 EX Main Logic Board.

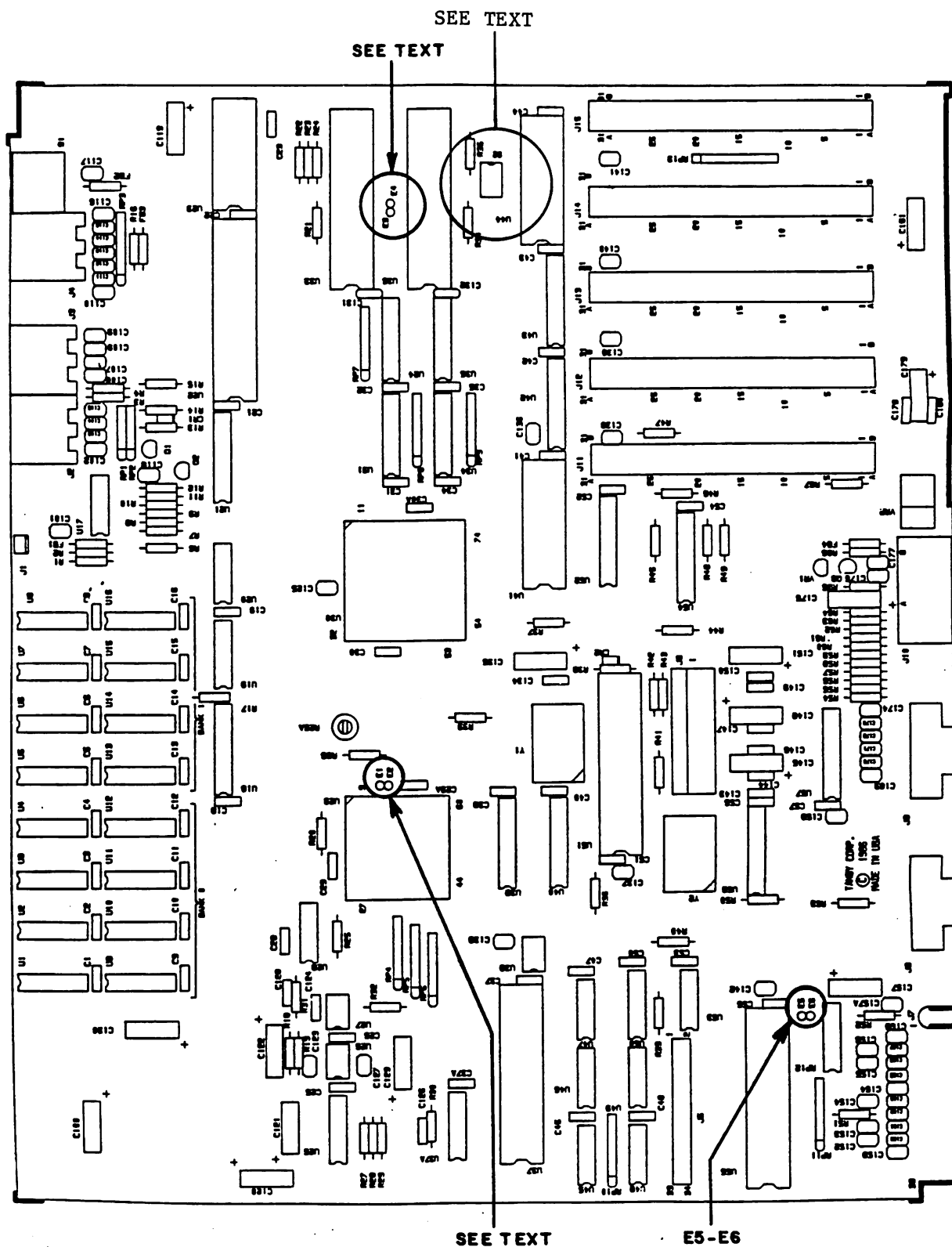


Figure 121. Tandy 1000 SX Main Logic Board.

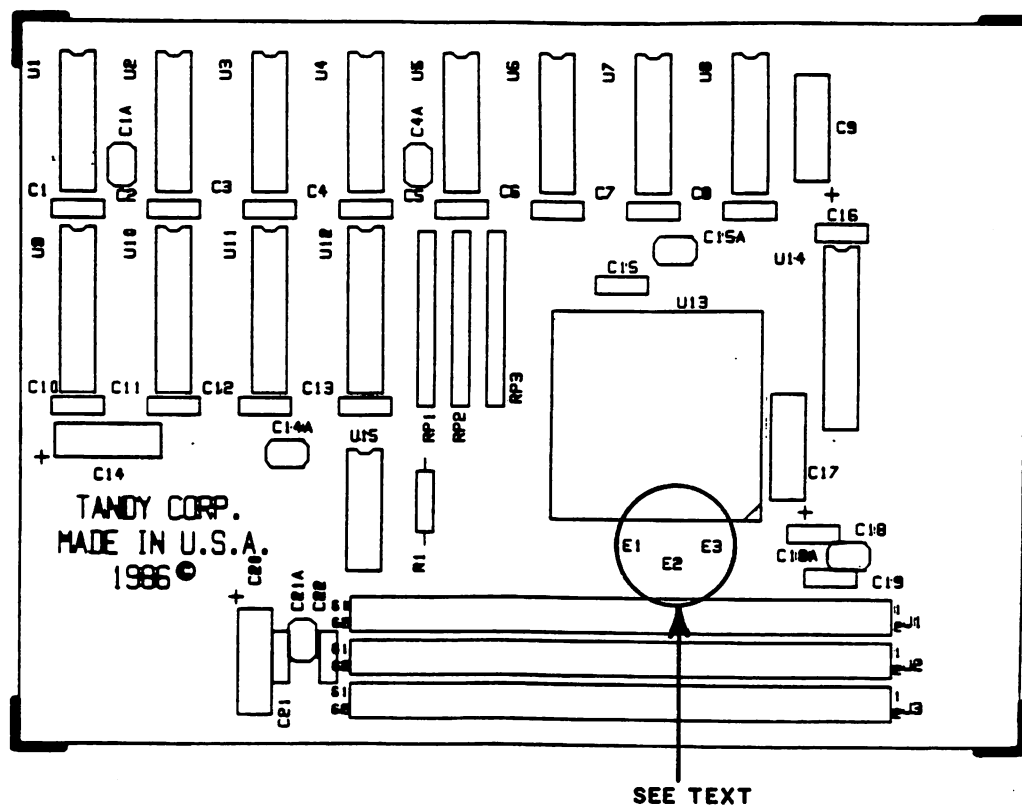


Figure 123. Tandy 1000 EX Memory PLUS Expansion Adapter.

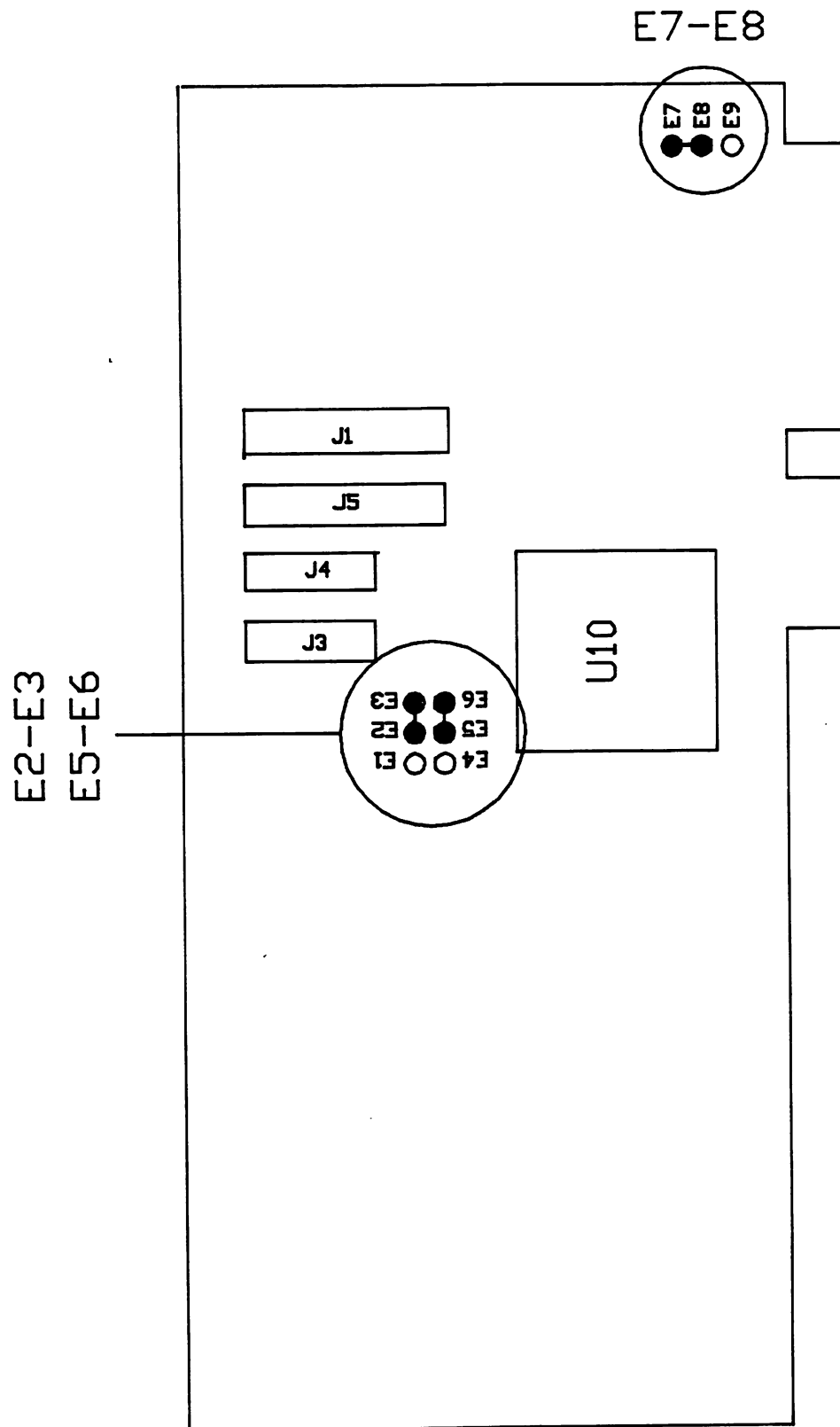


Figure 124. Floppy/Hard Drive WD1003-WA2 Controller Board.

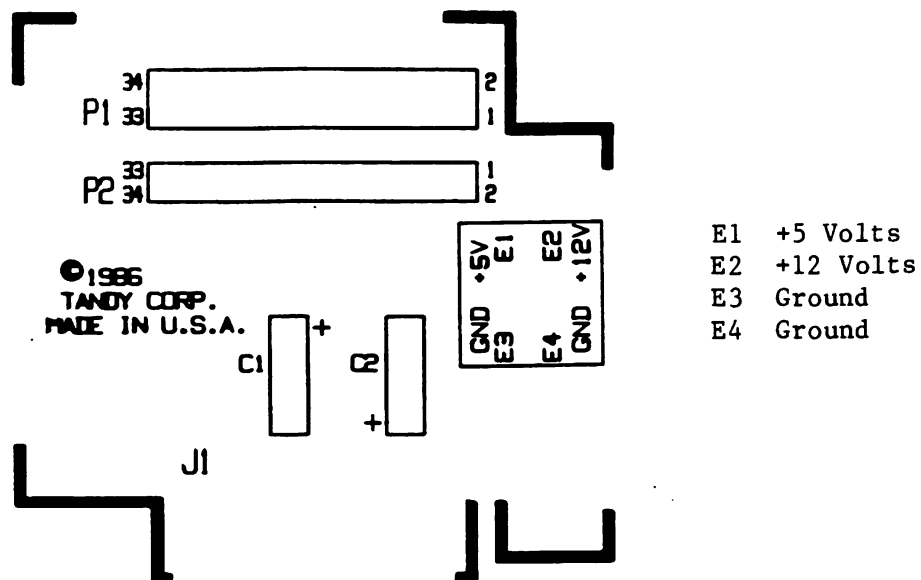
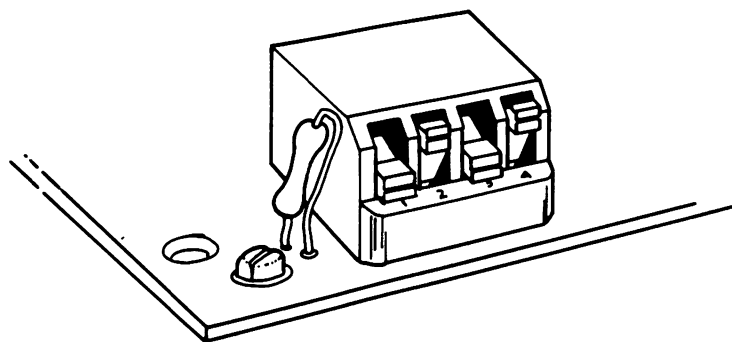
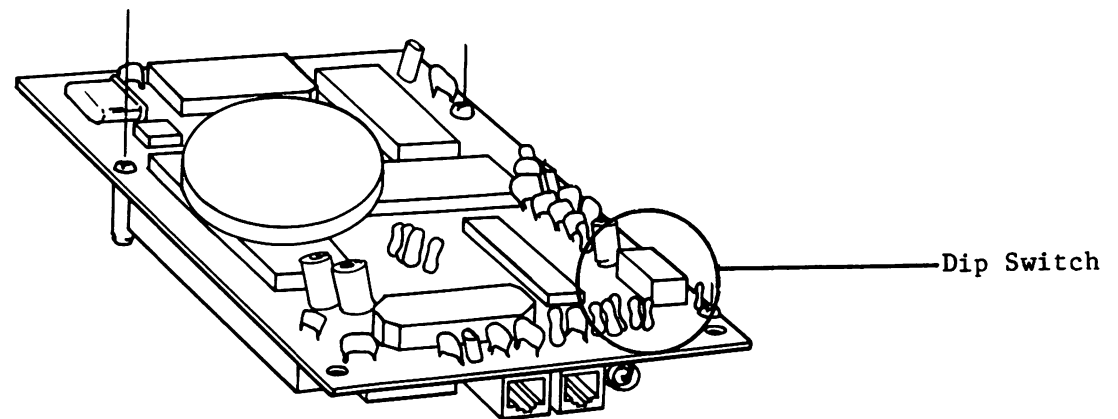


Figure 125. 1000 External Floppy Disk Interface.



See Text for proper switch settings.

Figure 127. Plus 1200 Baud Modem.

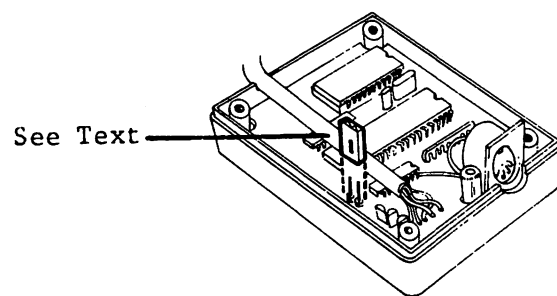


Figure 128. Enhanced Keyboard Adapter.

SEE TEXT

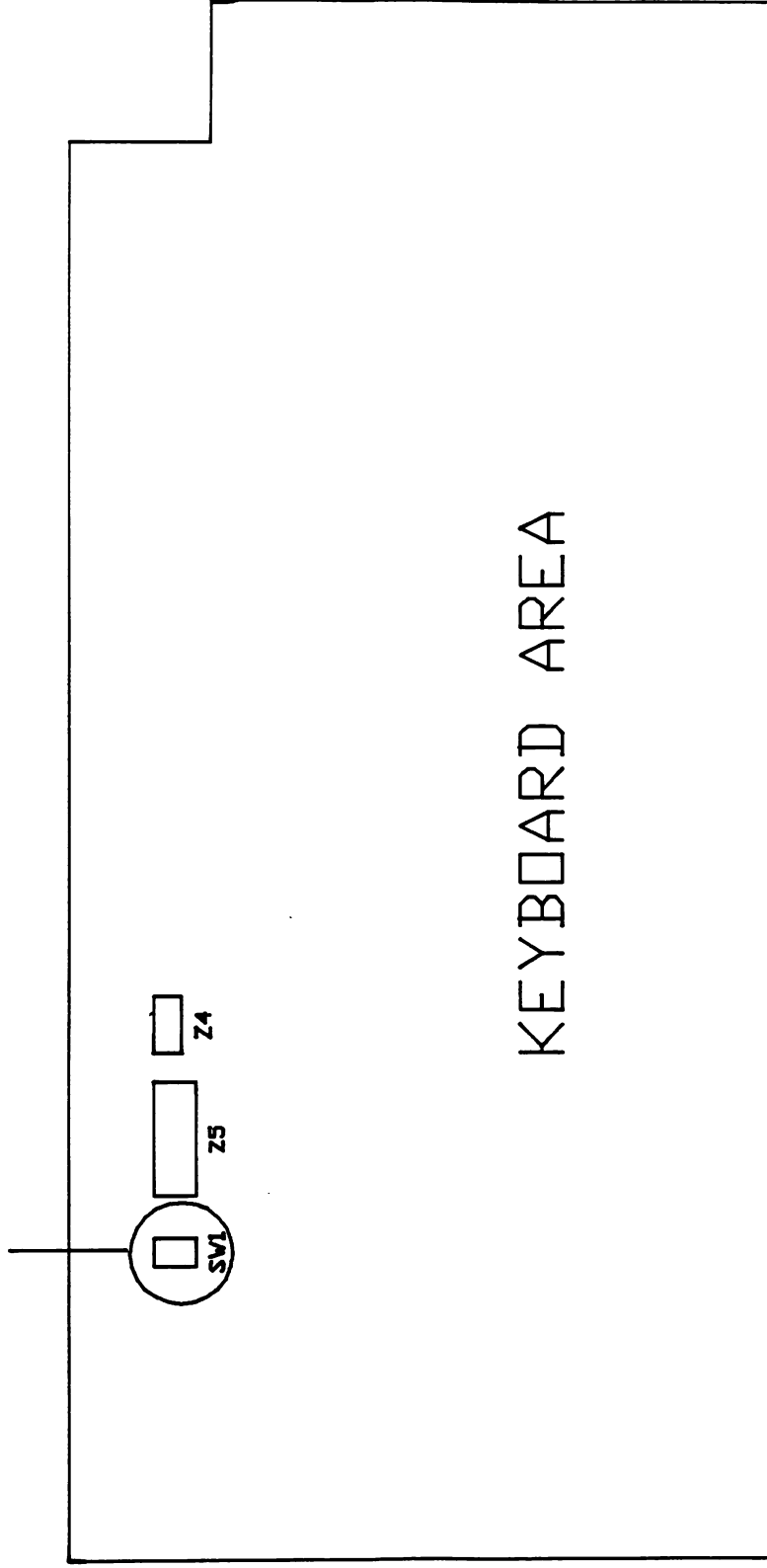
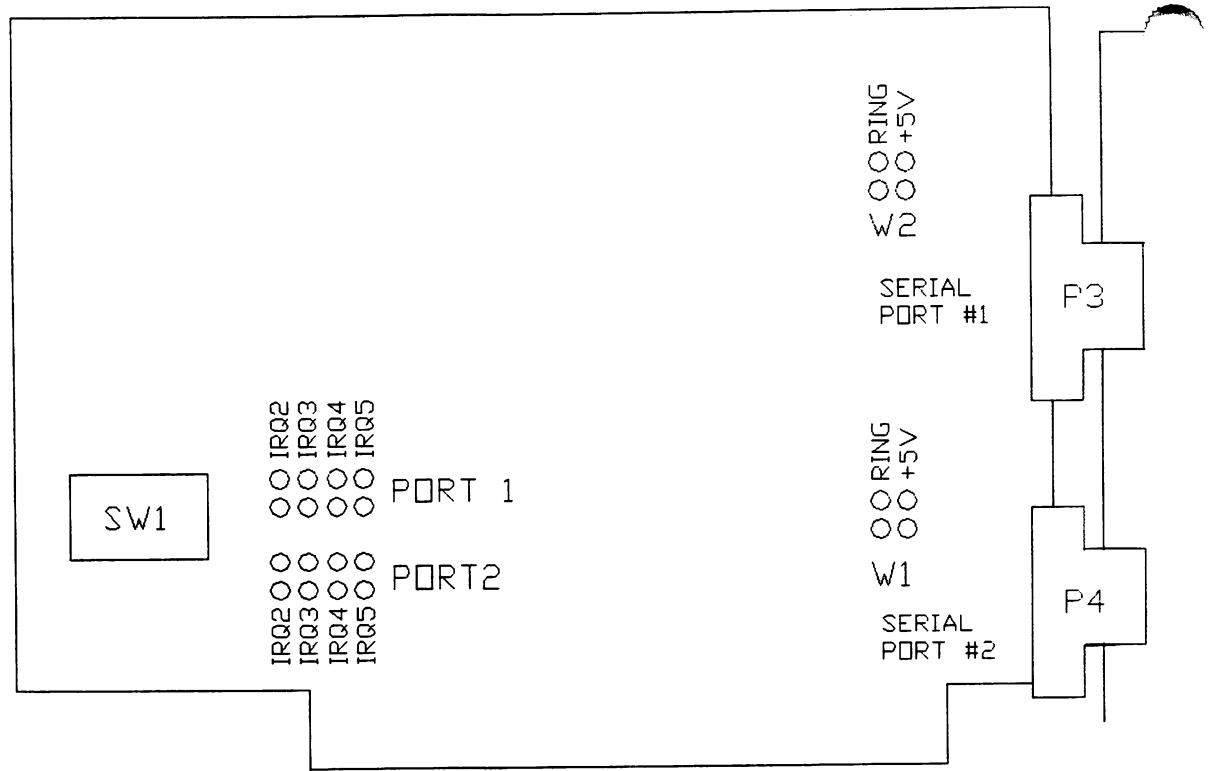


Figure 129. Enhanced Keyboard.



See text for jumper setting configurations.

Figure 130. Dual Port Serial Board

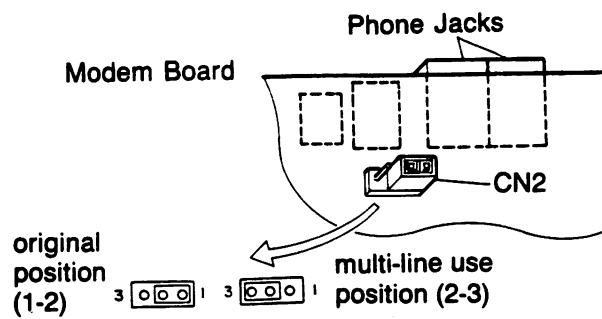
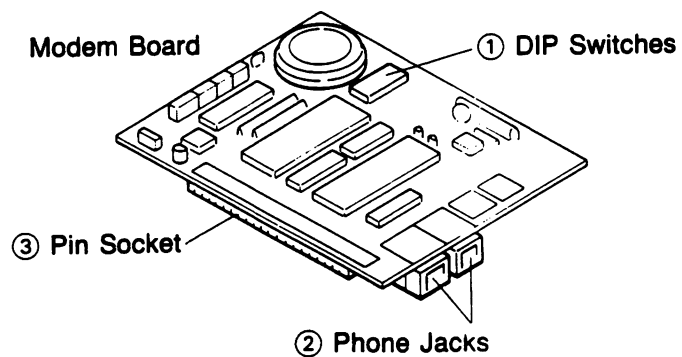


Figure 131. Plus 300 Baud Modem.

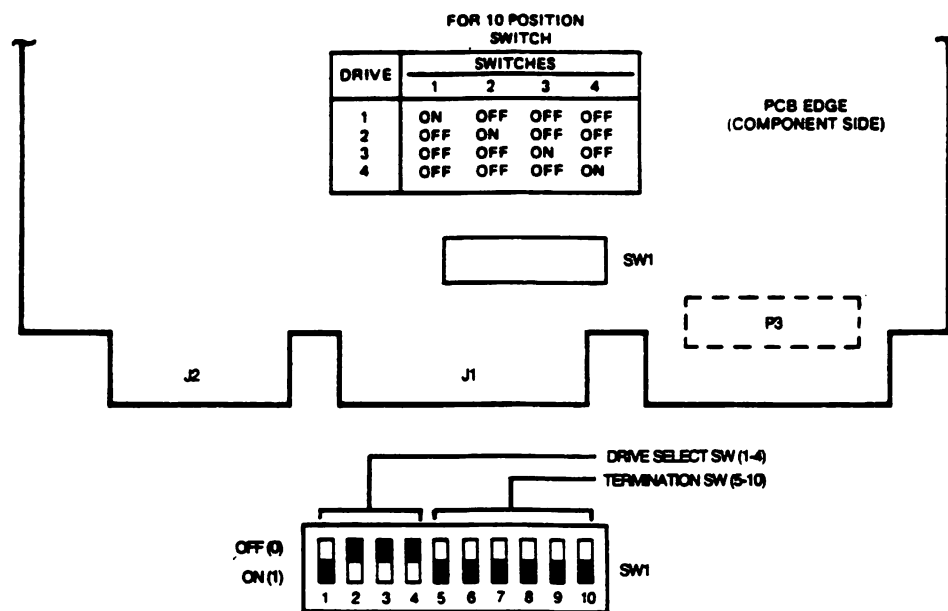
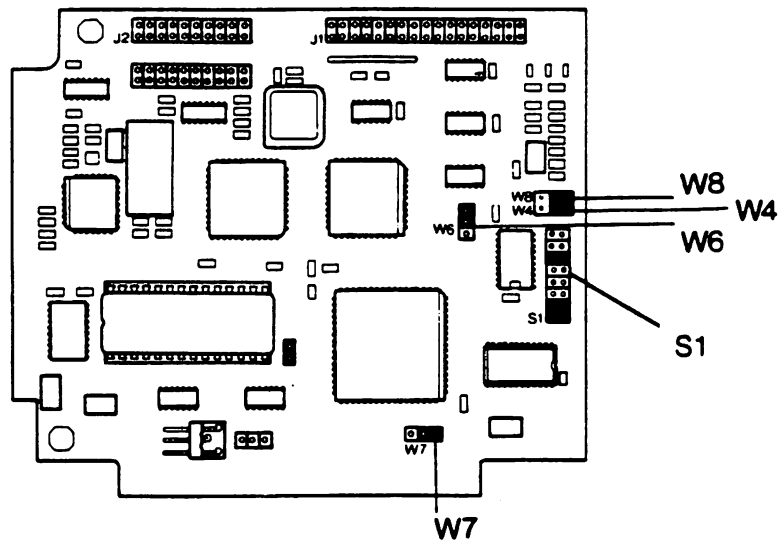


Figure 133. 40 Meg Microscience (HH-1050) Hard Drive Logic.



Note: Jumper configuration shown is for the Tandy 1000 series computer.
See text for proper jumper configurations for other computers.

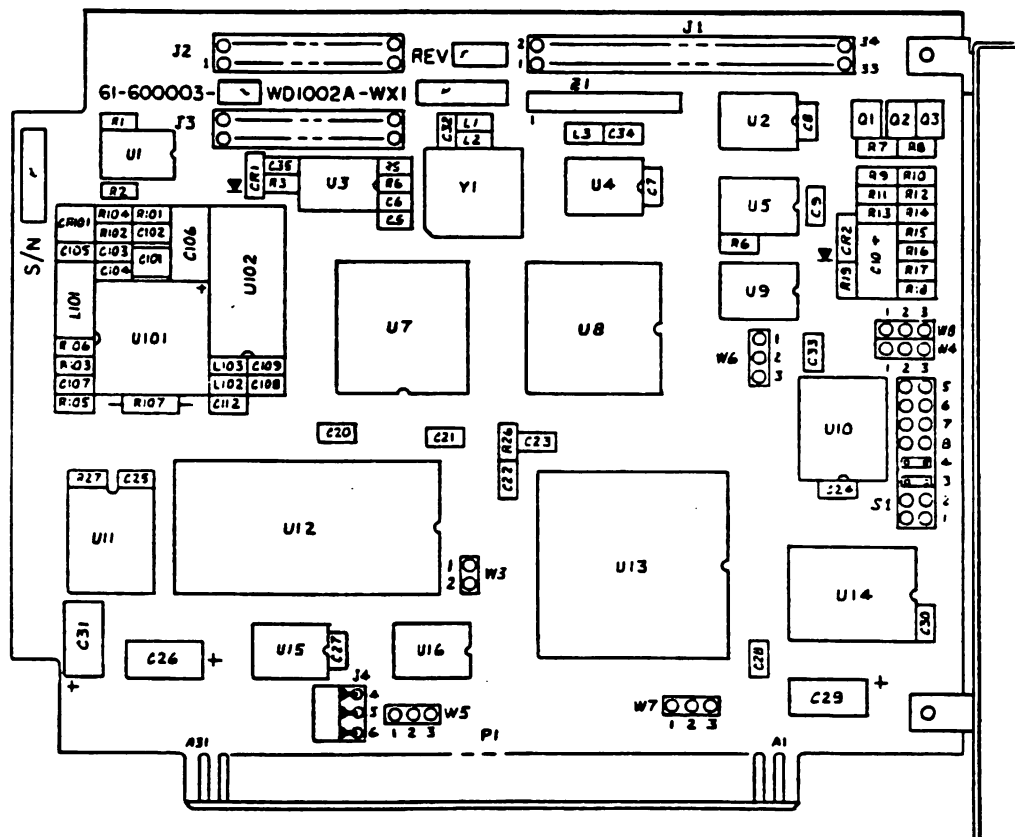


Figure 134. 20 Meg Hard Card Controller.

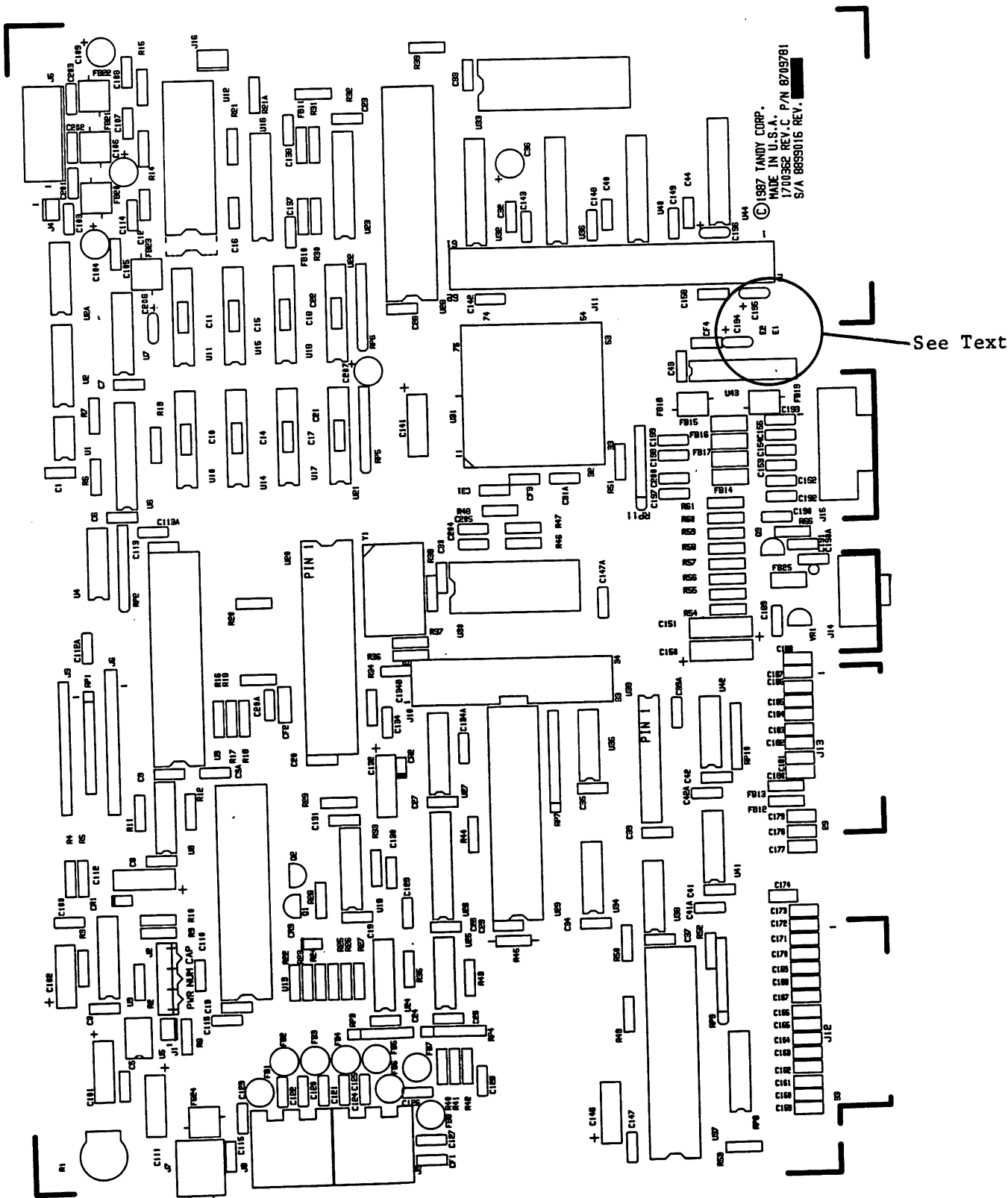


Figure 135. Tandy 1000HX Main Logic.

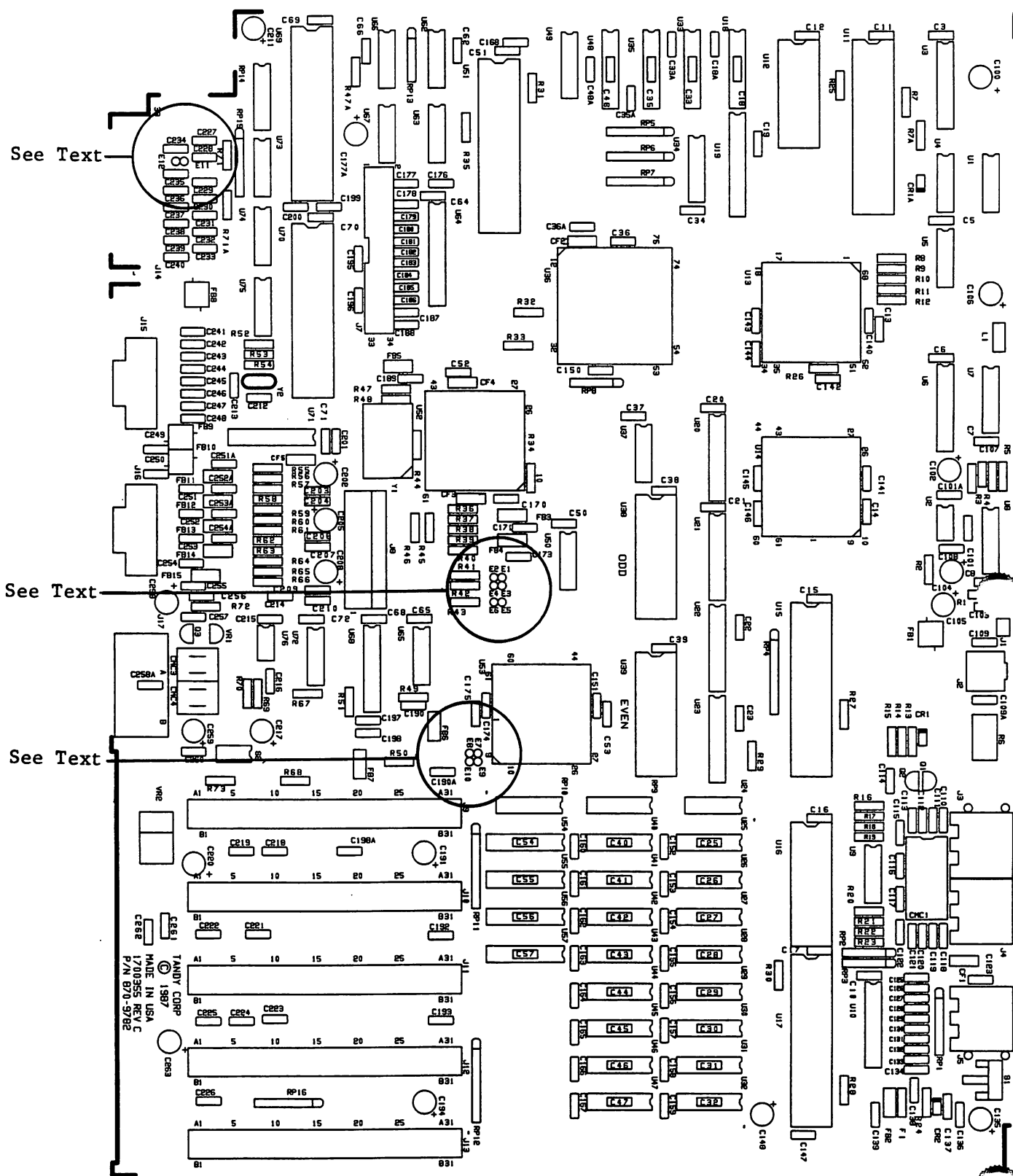


Figure 136. Tandy 1000TX Main Logic.

Figure 138. Tandy 4000 Main Logic.

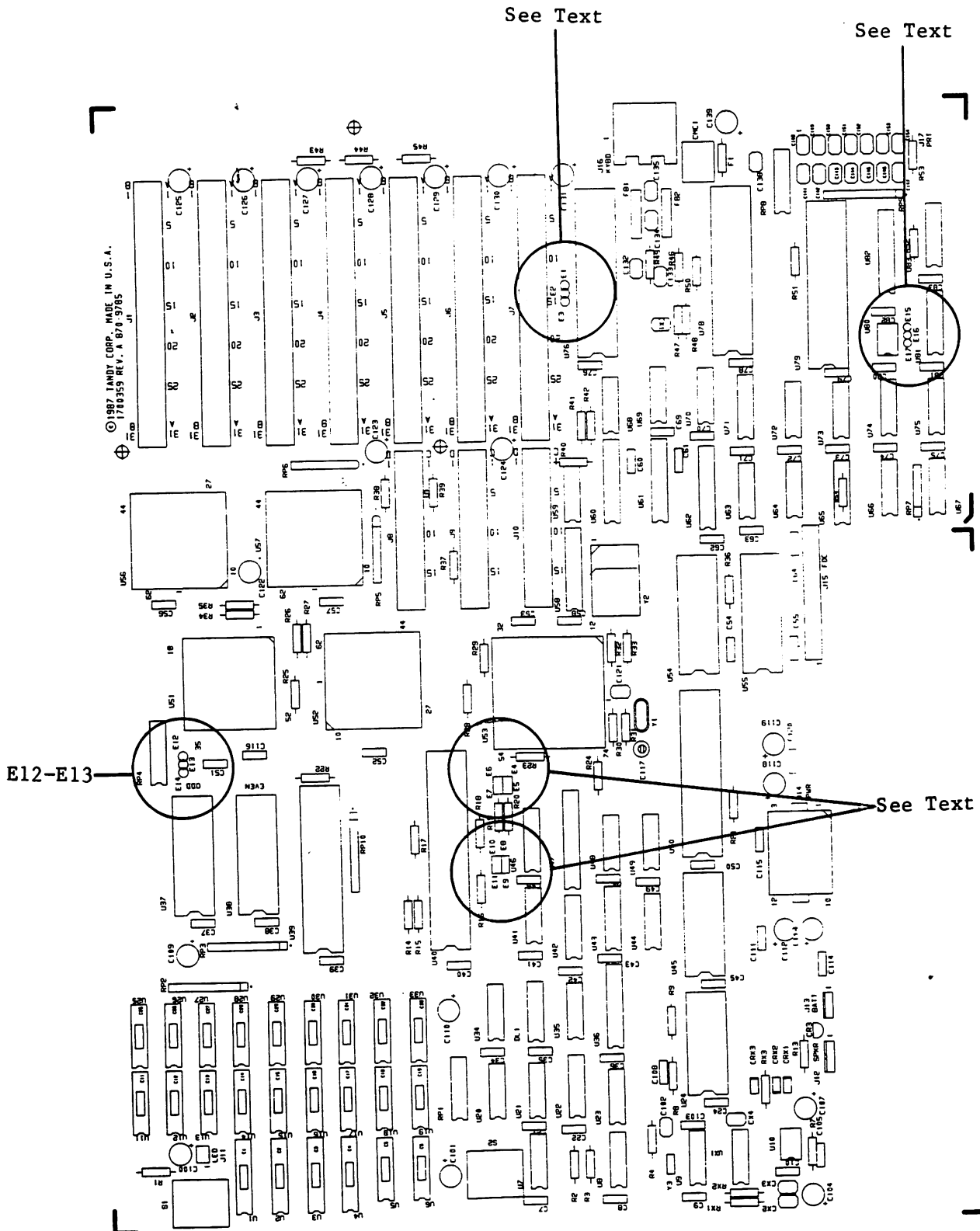
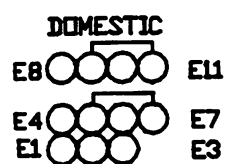
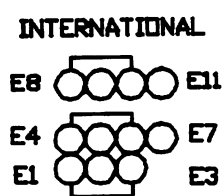
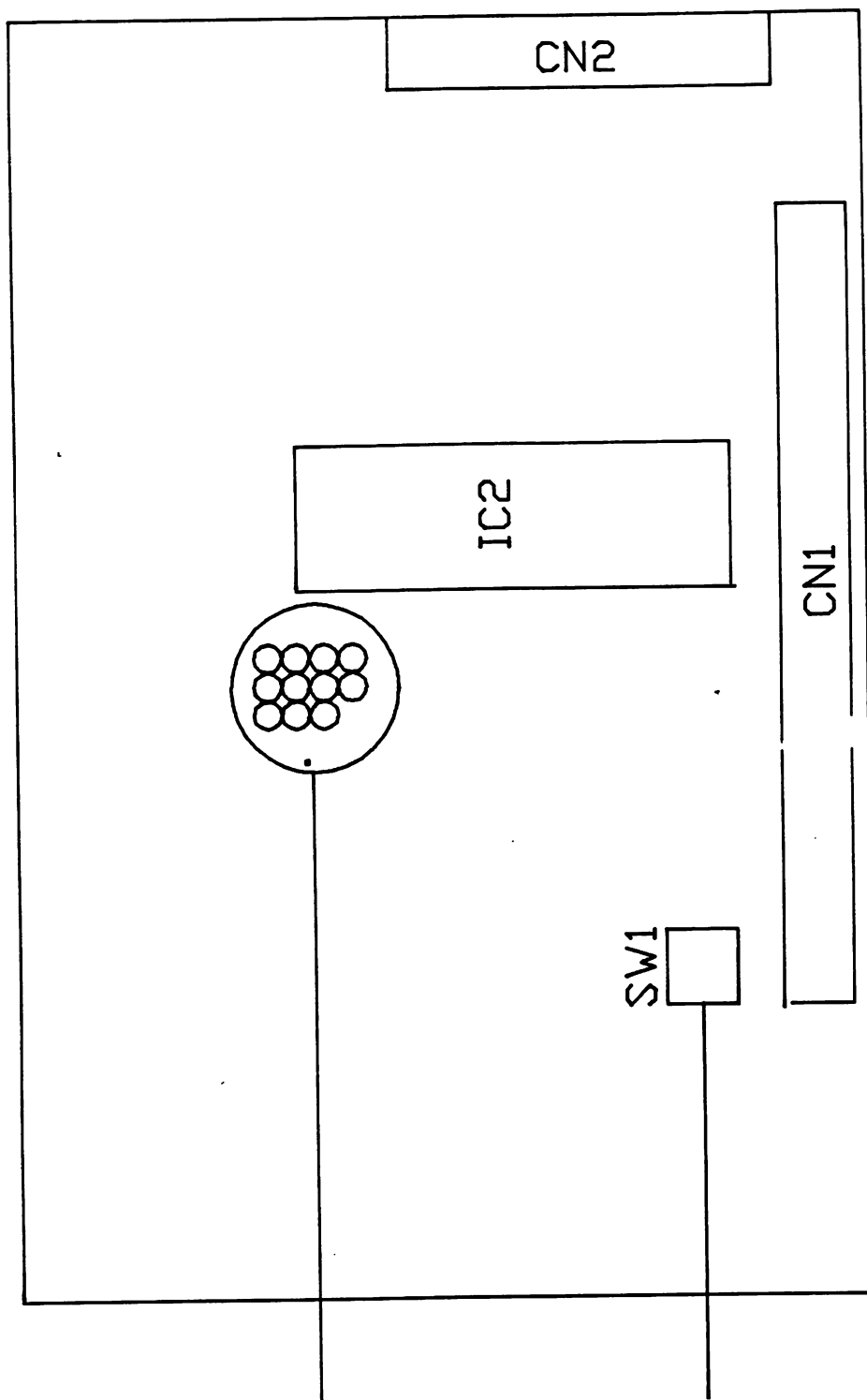


Figure 139. Tandy 3000HL with Key Lock.



SEE
TEXT

Figure 140. Plus RS232.

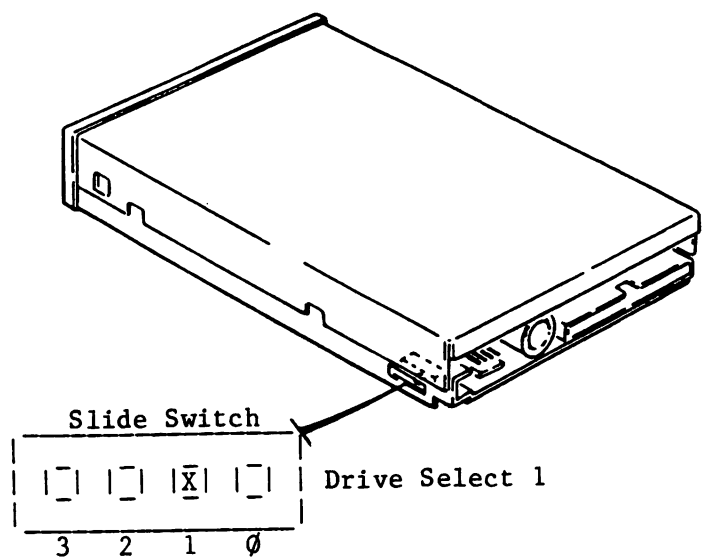


Figure 141. Sony MP-F73W Series 1.44M 3 1/2" Floppy Drive
Sony MP-F17W Series 1.44M 3 1/2" Floppy Drive

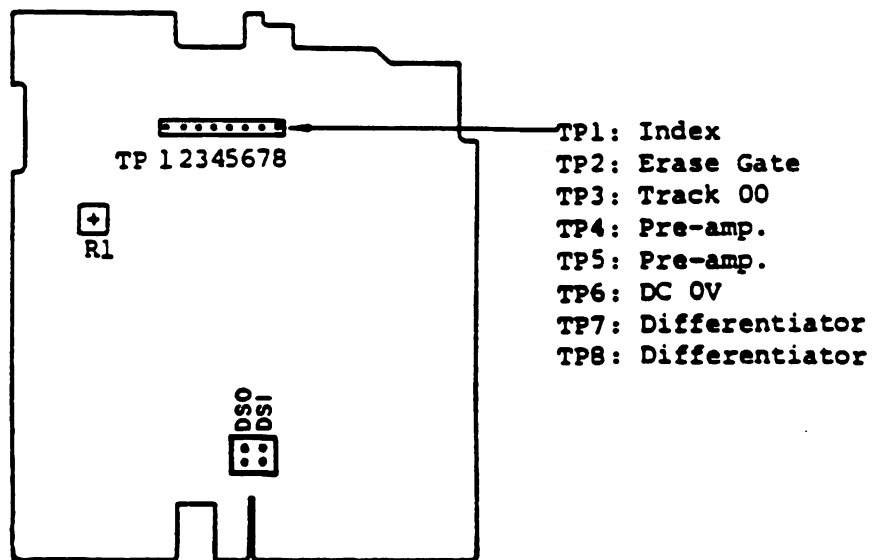


Figure 142. Teac 5 1/4 Floppy FD55BV-221.

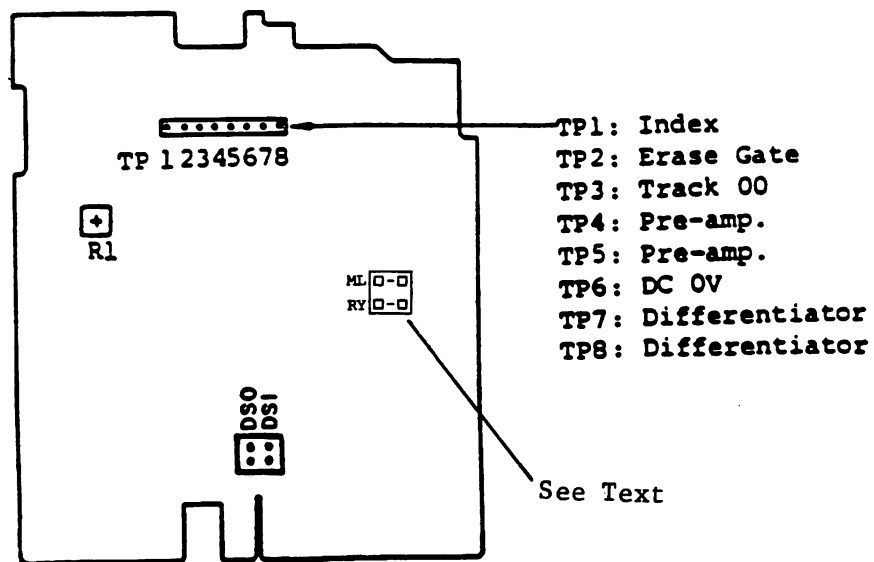


Figure 143. Teac 5 1/4 Floppy FD55BR-521

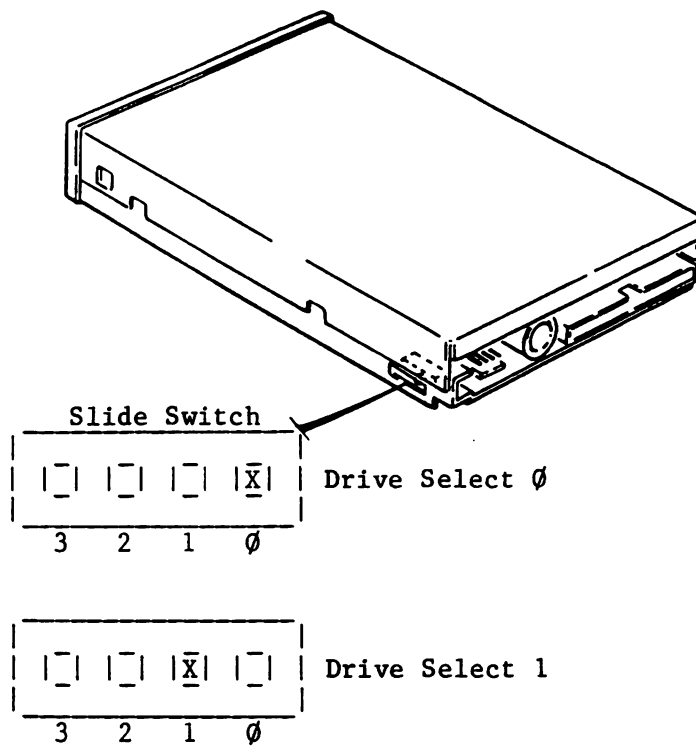
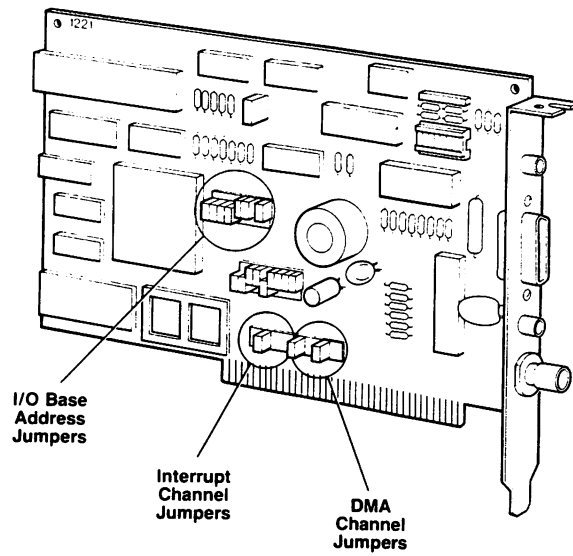


Figure 144.

Sony MP-F63W-01D	720K	3 1/2"	Floppy Drive
Sony MP-F63W-70D	720K	3 1/2"	Floppy Drive
Sony MP-F11W-70D	720K	3 1/2"	Floppy Drive
Sony MP-F11W-71	720K	3 1/2"	Floppy Drive
Sony MP-F11W-72	720K	3 1/2"	Floppy Drive



Note: See text for proper jumper configurations.

Figure 145. Original Style Etherlink I Adapter Board

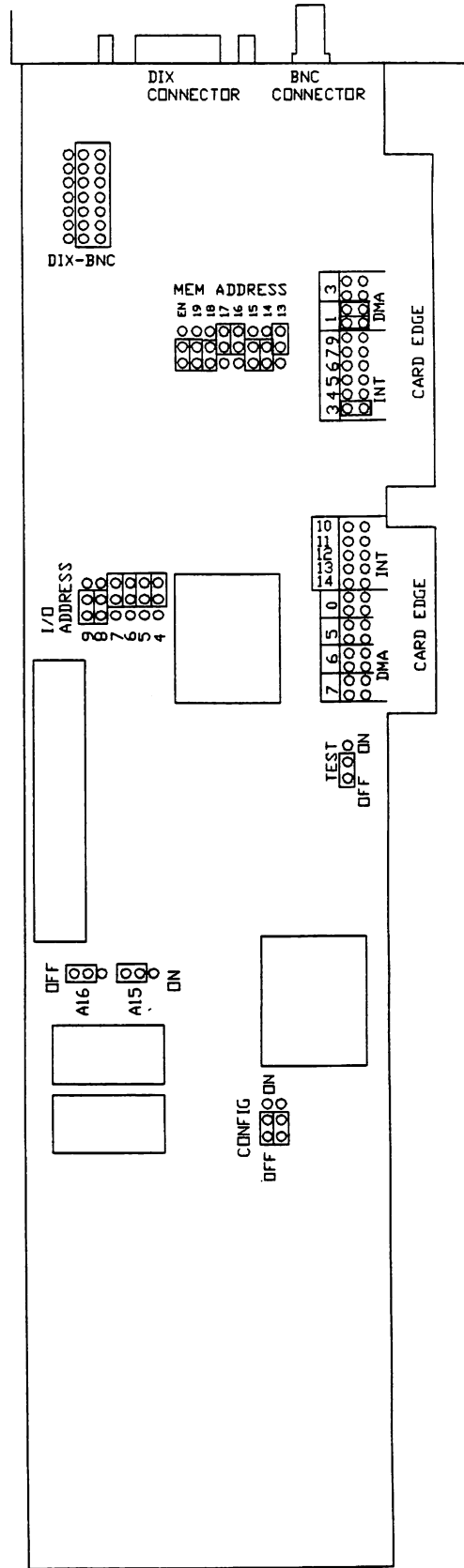
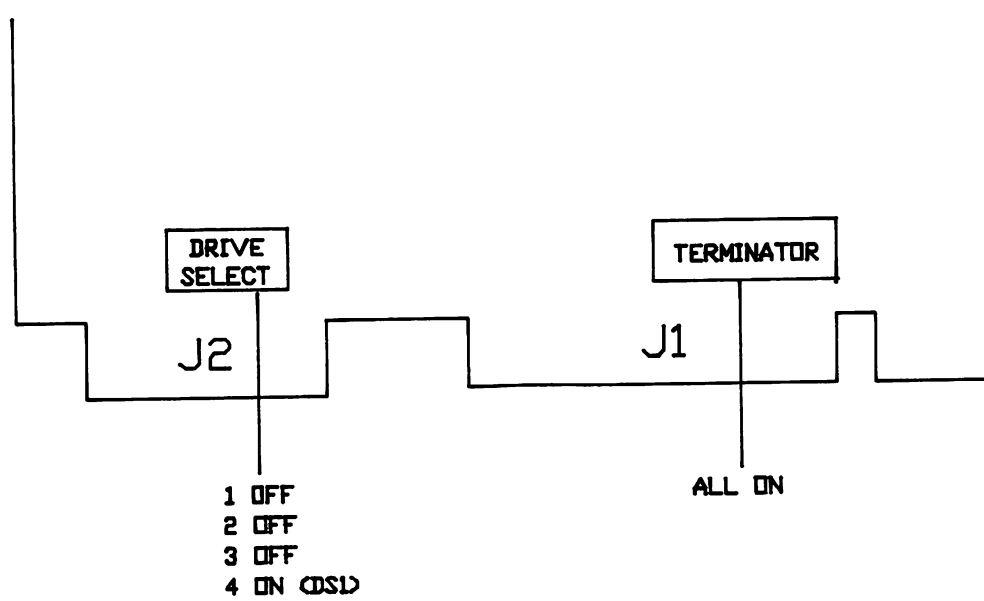


Figure 146. Etherlink PLUS Adapter Board

STYLE 1



STYLE 2

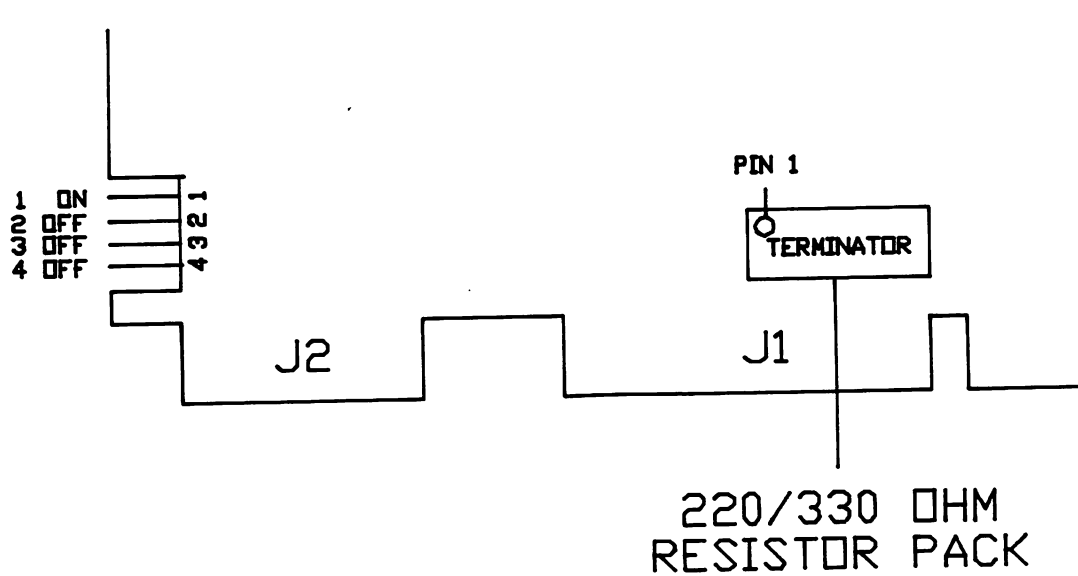
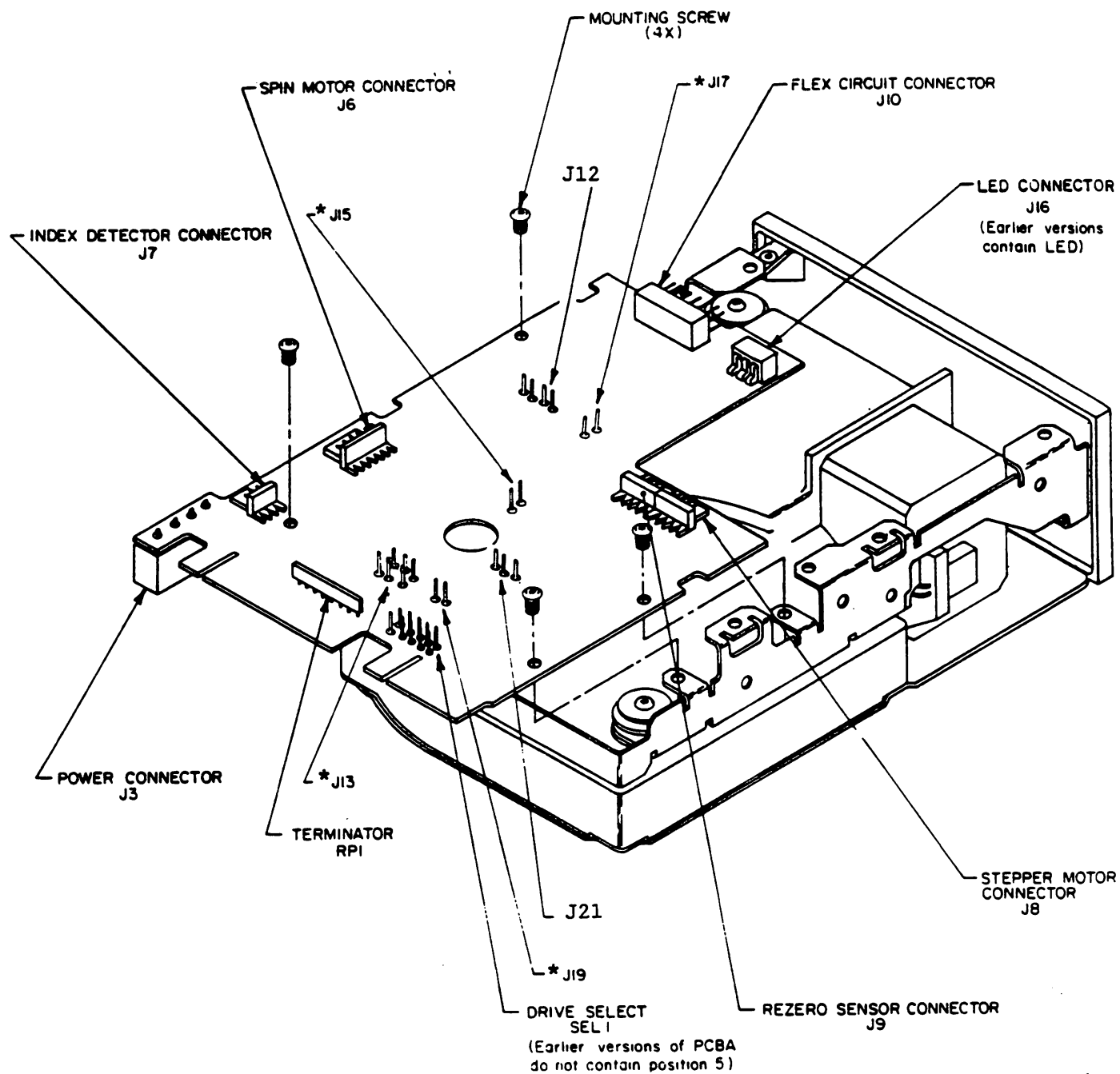


Figure 147. 20 Meg Fuji (FK 302-26/305-26) HD Logic.



* Earlier versions of PCBA do not contain these jumpers.

Figure 148. 20 MEG MiniScribe 8438 Hard Card
Version 2

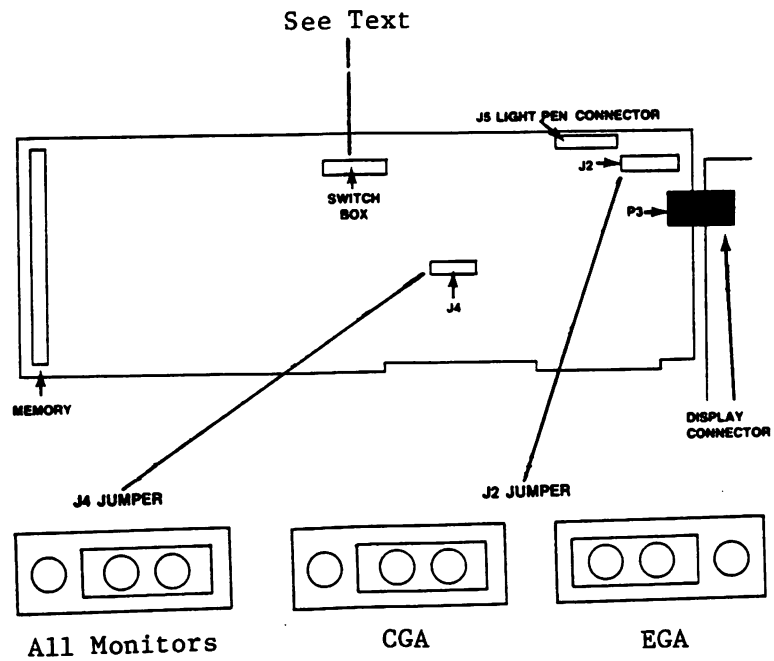


Figure 149. EGA Monitor Board.

OPTION SWITCH ASSIGNMENTS

S1	OFF	=	MANUAL POWER-ON RESET (MUST BE SWITCHED OFF FOR SYSTEM TO OPERATE)
S2	OFF	=	NORMAL OPERATION
	ON	=	DIAGNOSTIC OPERATIONS
S3	OFF	=	NO PARITY CHECKING
	ON	=	PARITY CHECKING
S4	S5	S6	SCSI BUS ADDRESS
OFF	OFF	OFF	0
OFF	OFF	ON	1
OFF	ON	OFF	2
OFF	ON	ON	3
ON	OFF	OFF	4
ON	OFF	ON	5
ON	ON	OFF	6
ON	ON	ON	7

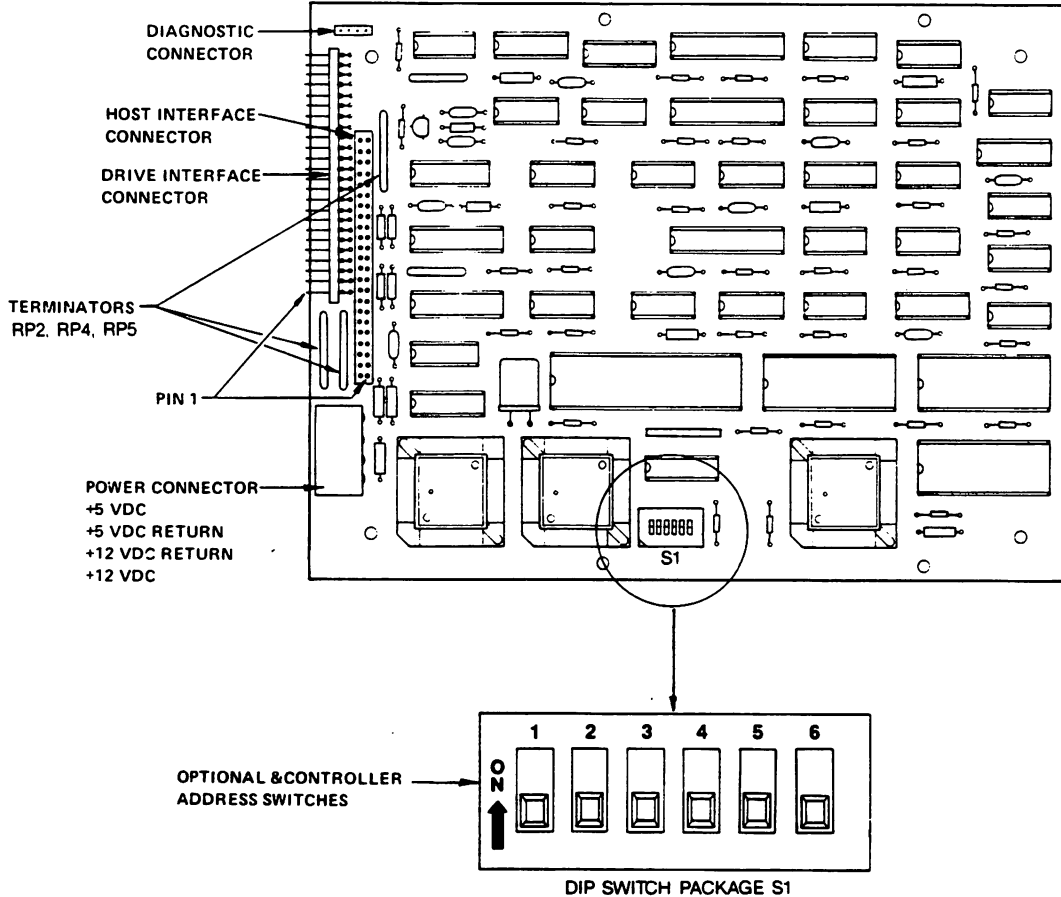


Figure 150. Controller for I/O Mega Beta 20.

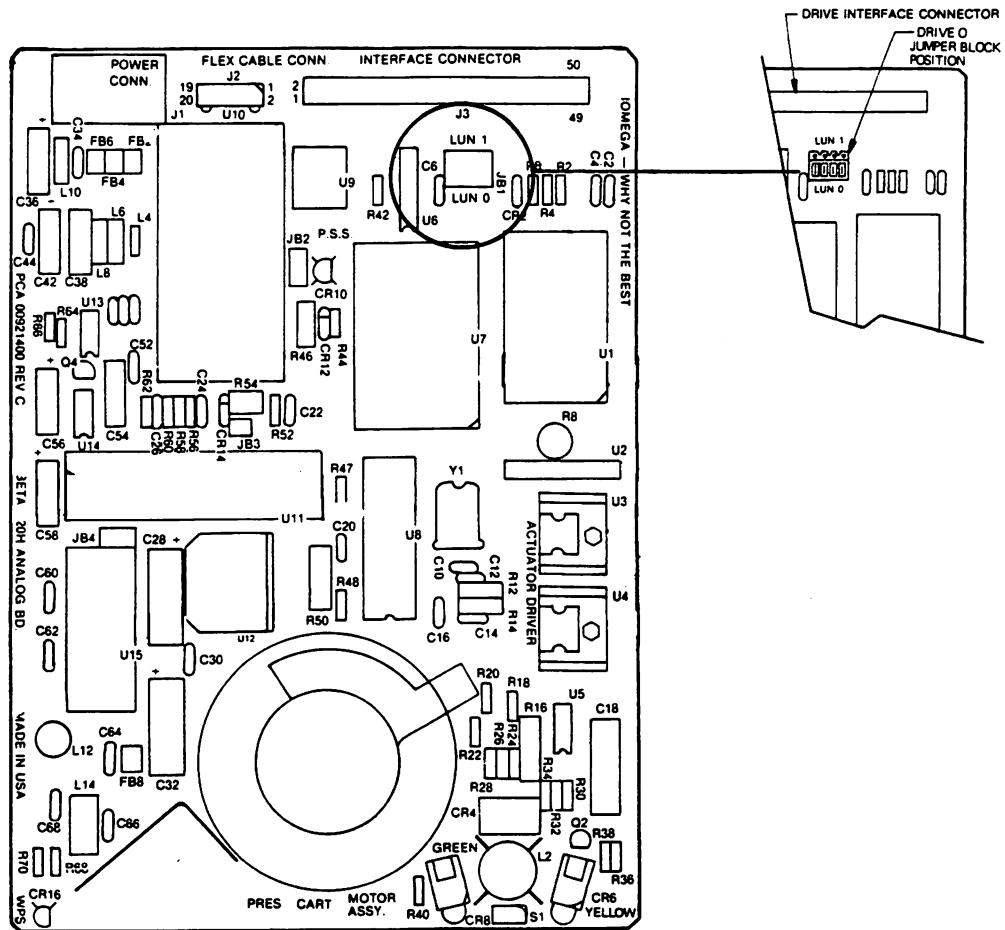


Figure 151. 20 Meg IO Mega (Beta 20) Primary.

Drawing of Secondary Drive Logic Board not available.

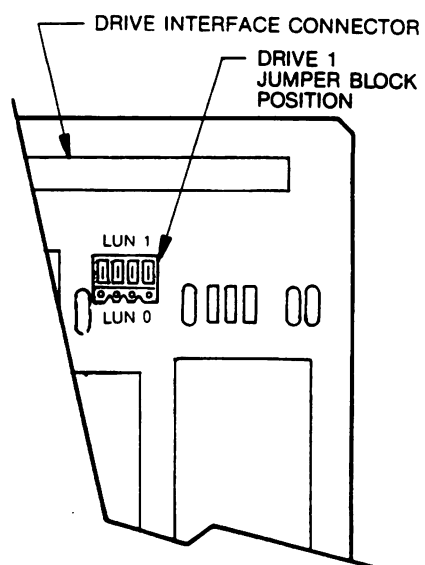


Figure 152. 20 Meg IO Mega (Beta 20) Secondary.

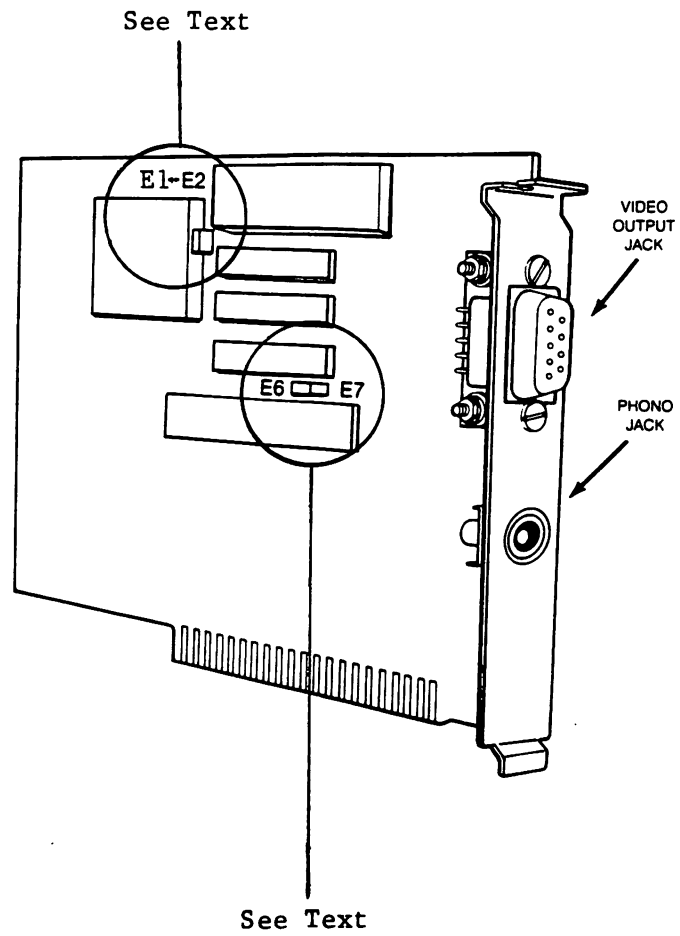


Figure 153. Dual Display Graphics Adapter.

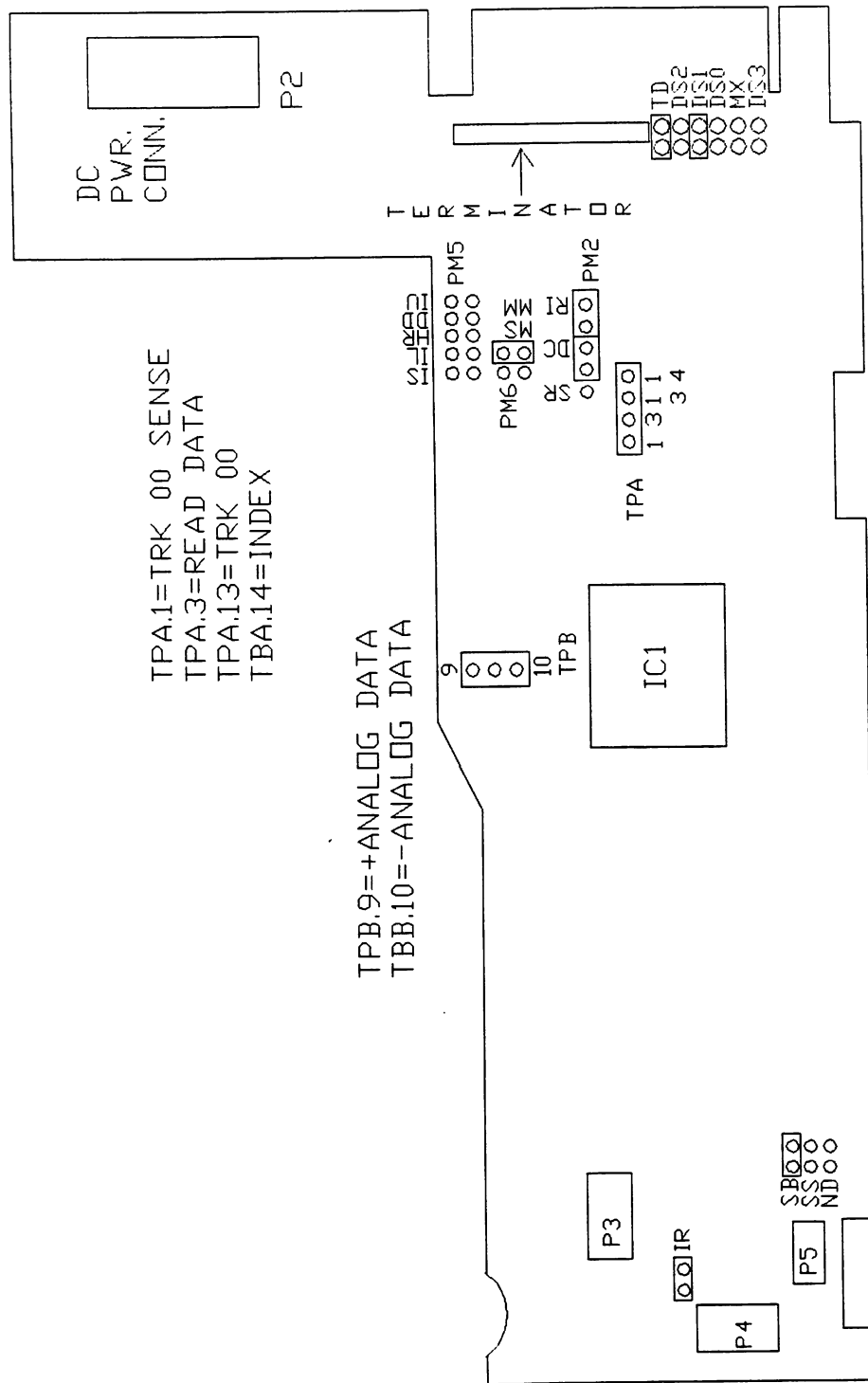


Figure 154. Mitsubishi MF504B Floppy Drive Logic Board

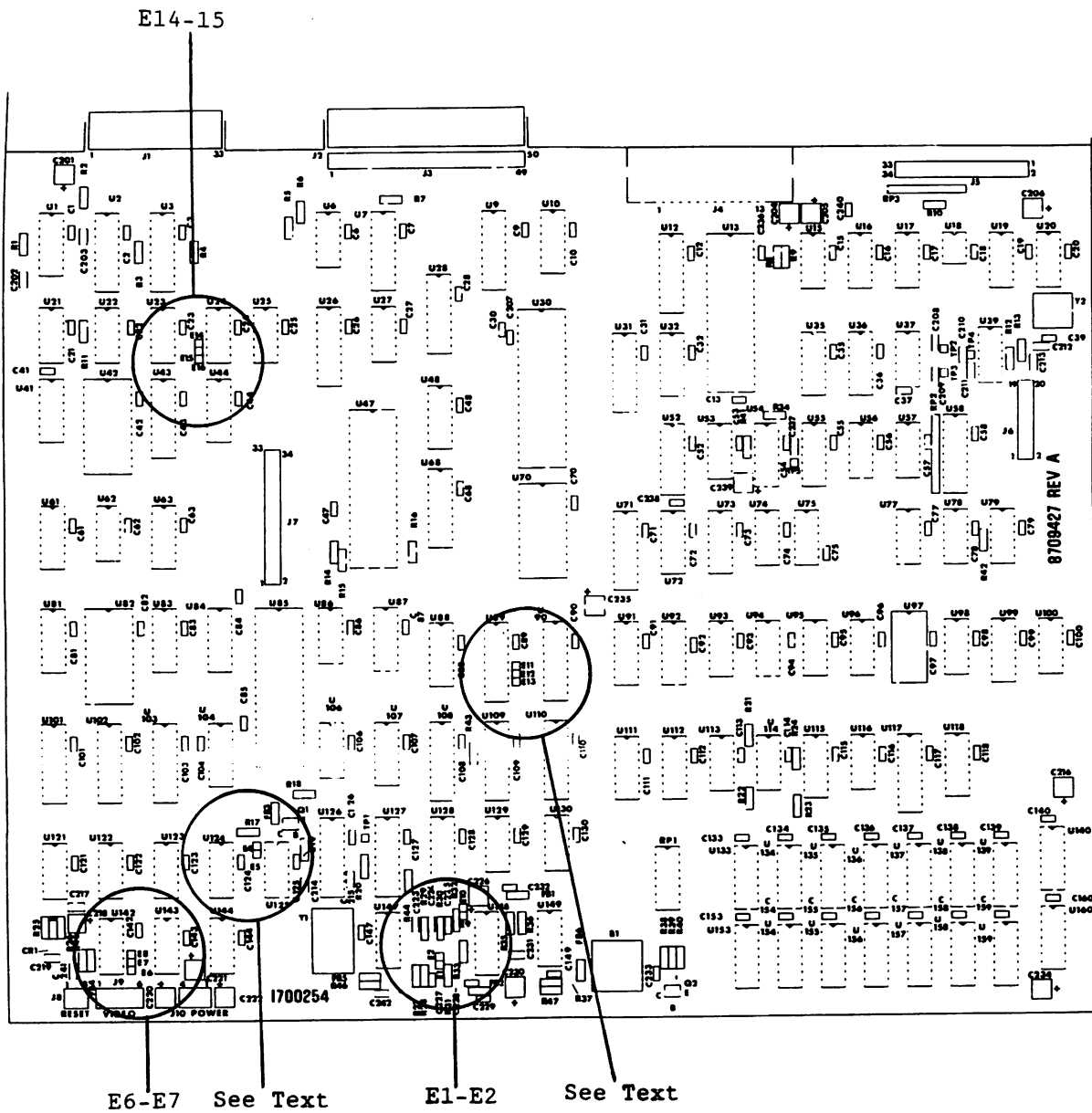


Figure 155. Model 4P Standard Main Logic Board.

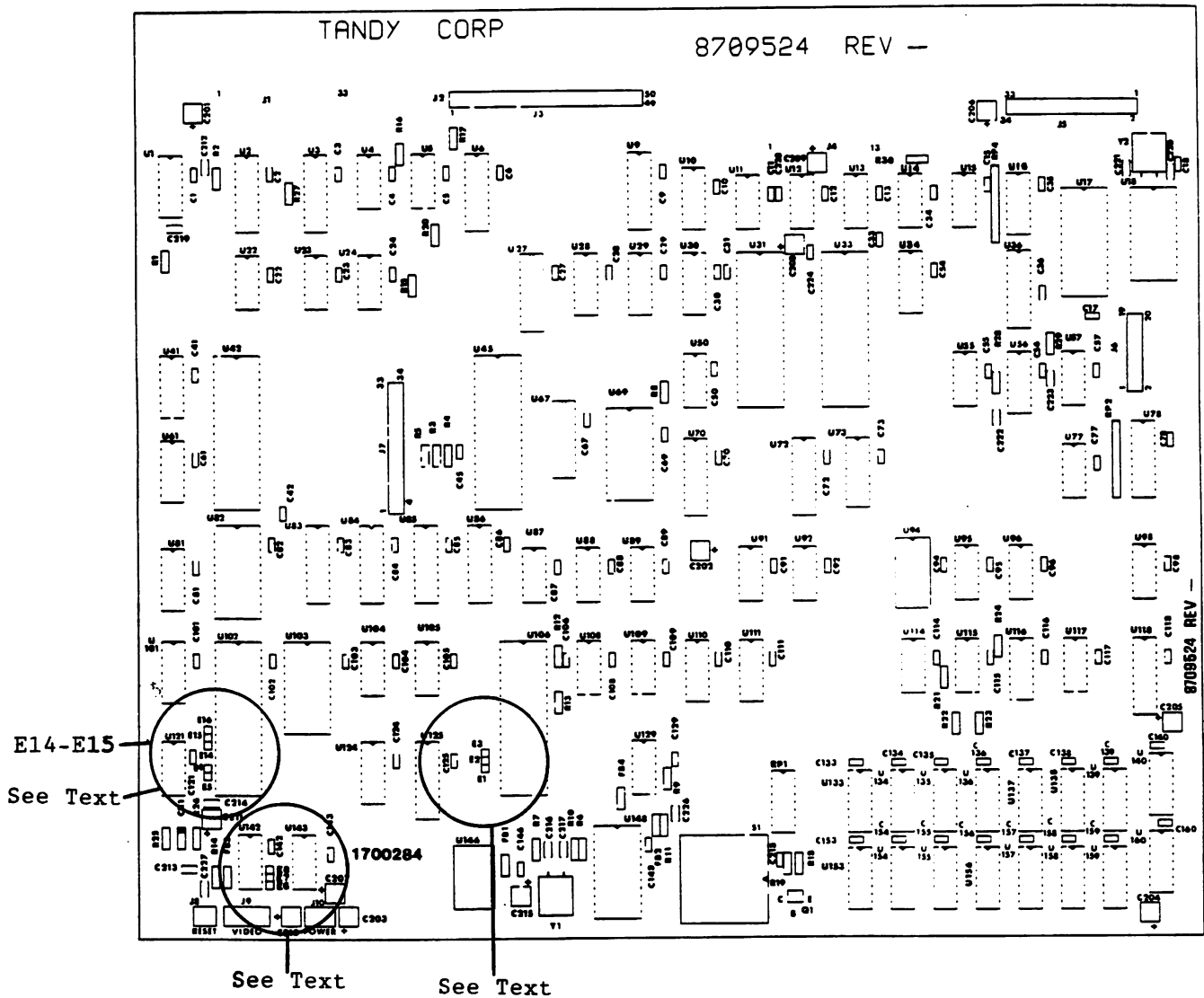


Figure 156. Model 4P Gate Array Main Logic Board .

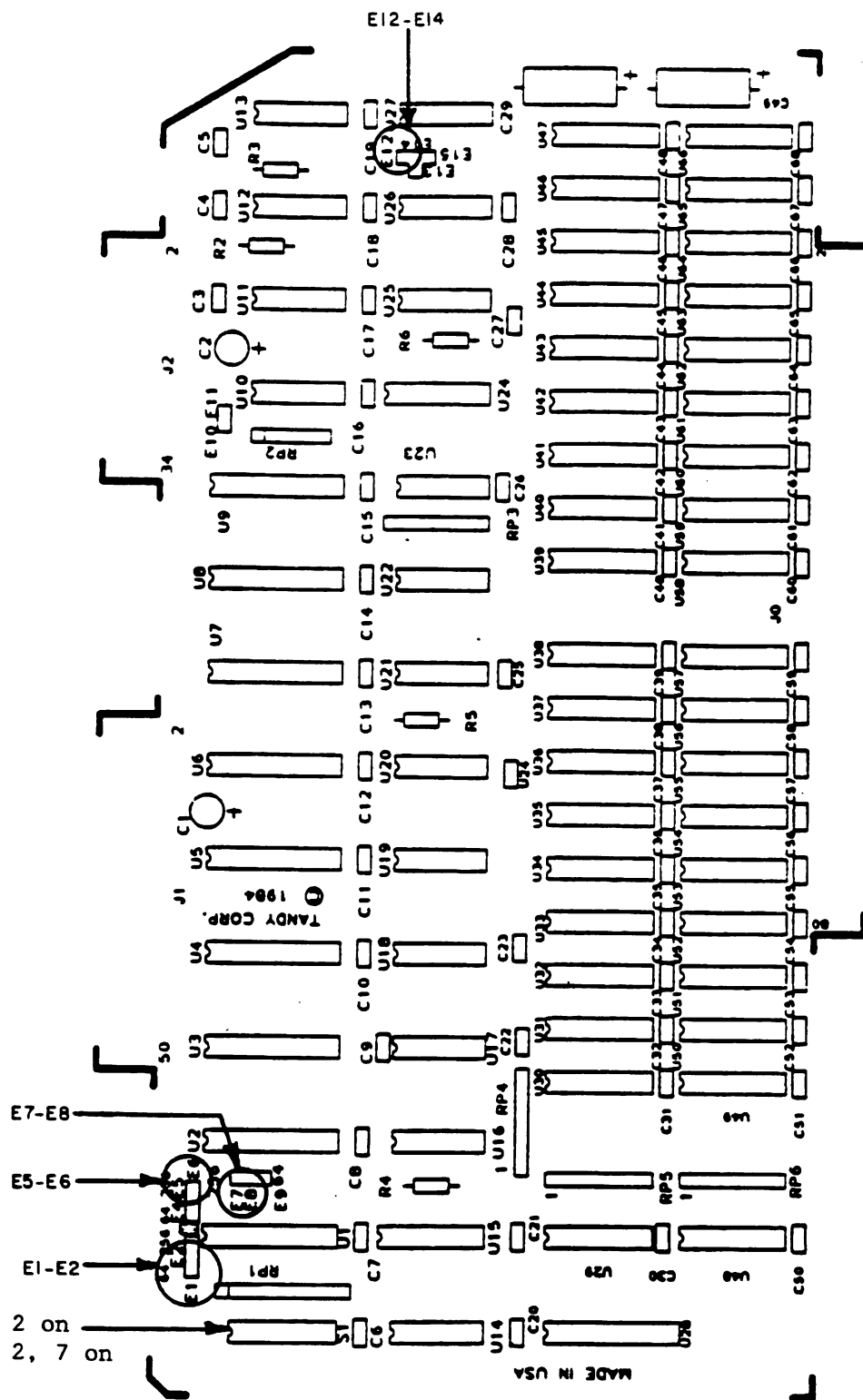


Figure 158. 512K/1MEG 68000 Memory Board With 512K

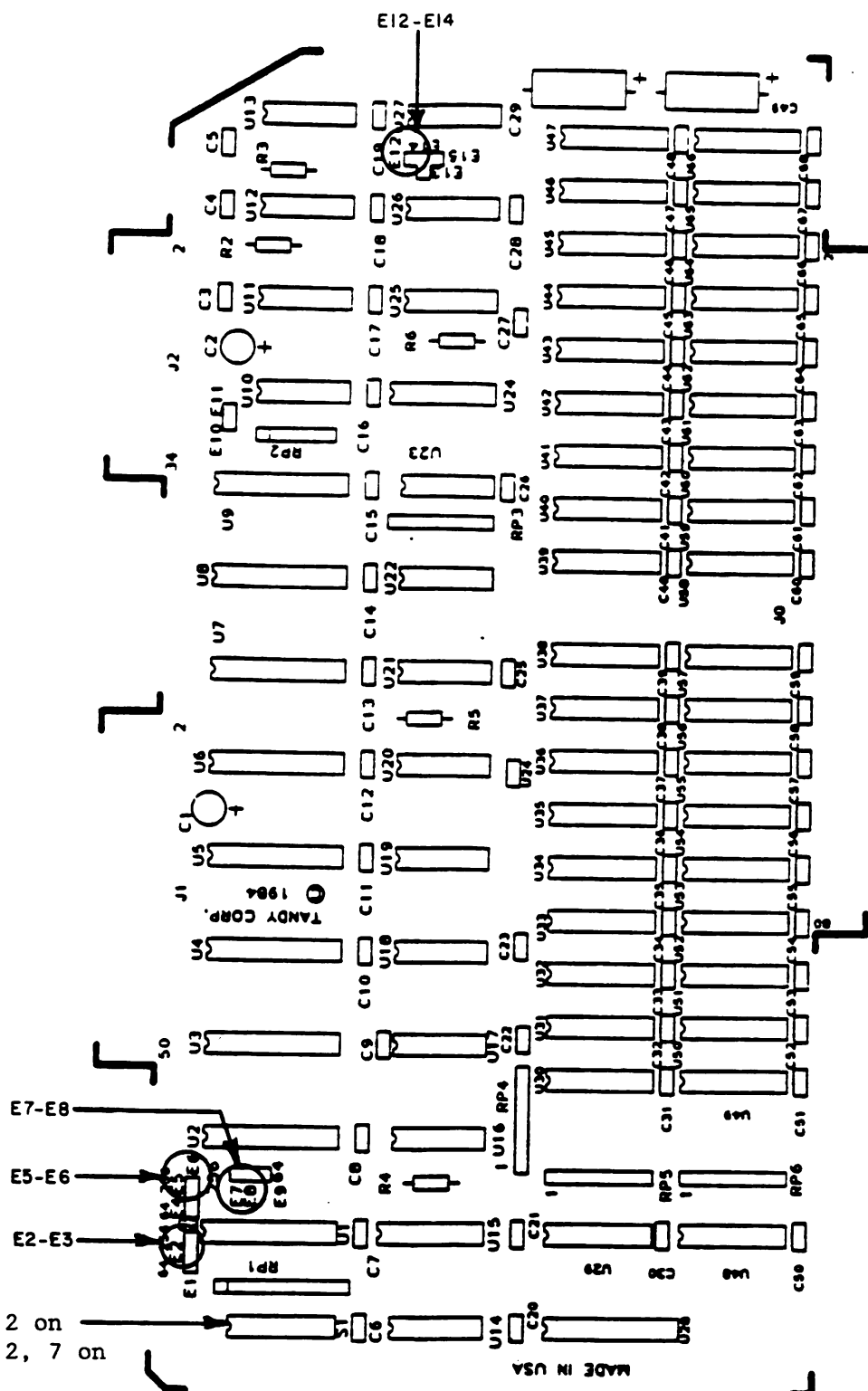
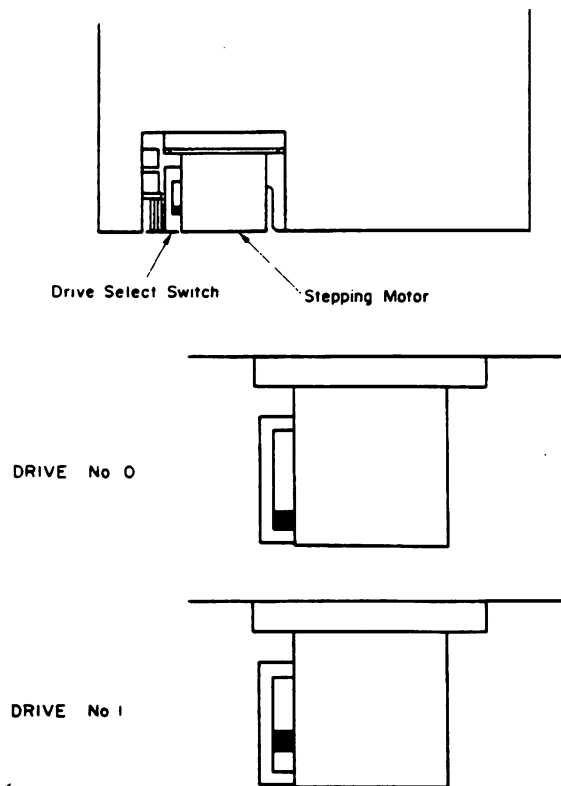


Figure 159. 512K/1MEG 68000 Memory Board With 1MEG



Drive Select Control Location and Setting

Figure 16Ø. Citizen OSDC-95A 3 1/2" Floppy Drive 72ØK

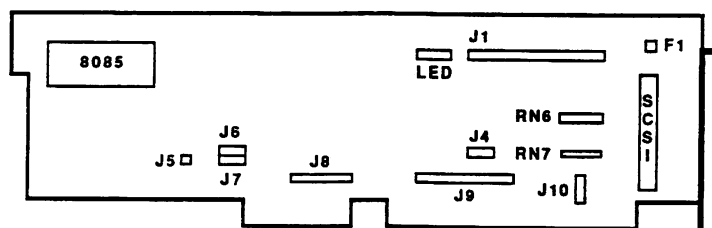


Figure 161. 16 bit SCSI Hard Drive Interface

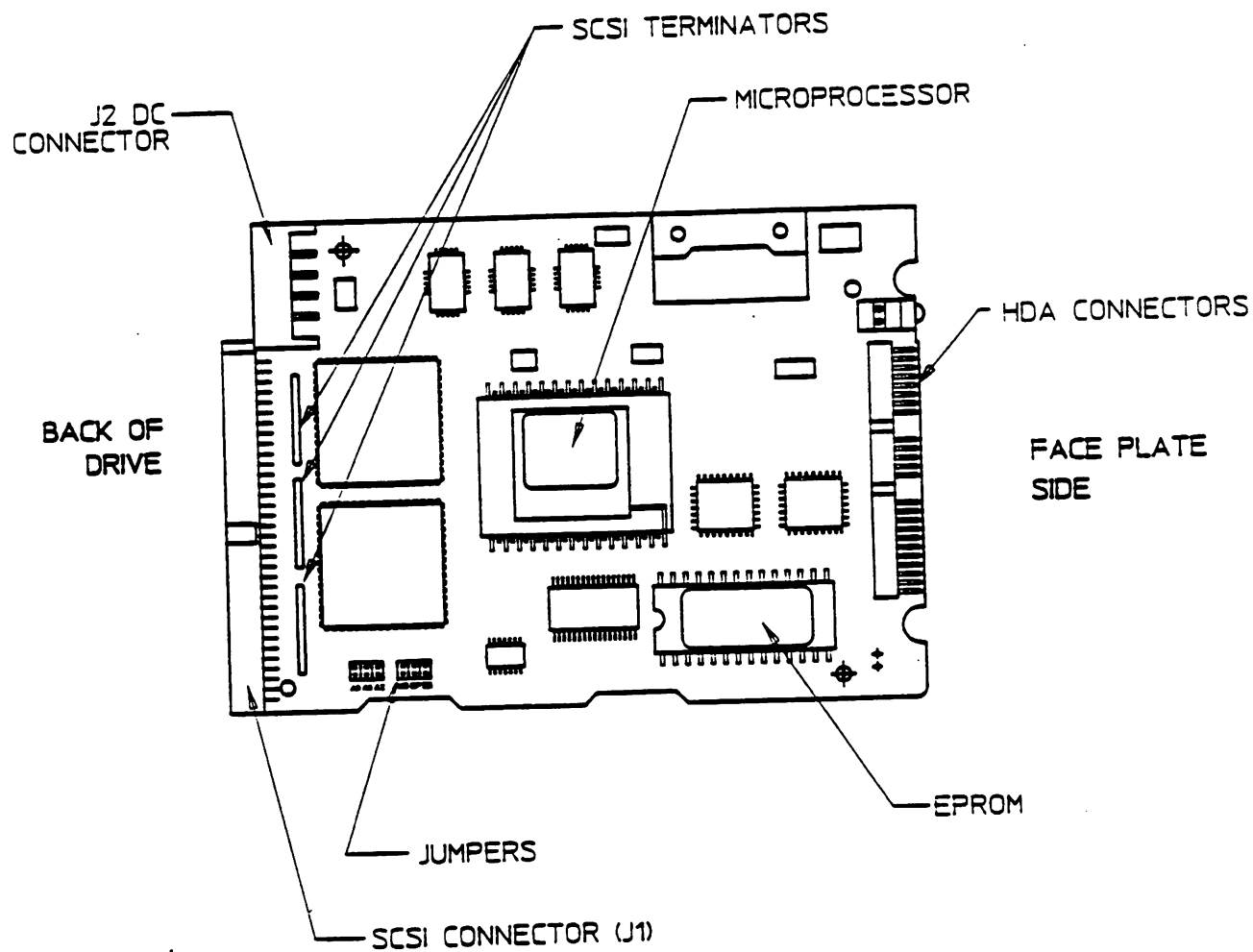


Figure 162. 40 MEG Quantum 3 1/2" SCSI Hard Drive
80 MEG Quantum 3 1/2" SCSI Hard Drive

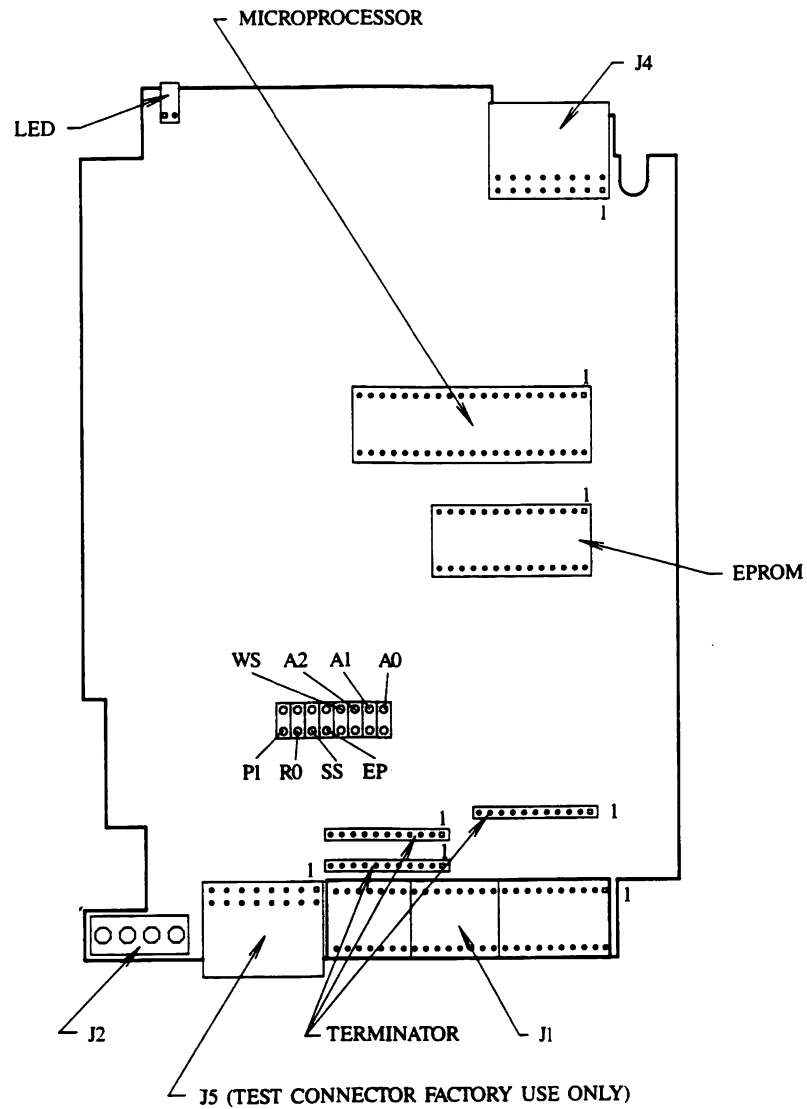


Figure 163. 80 MEG Quantum 5 1/4" SCSI Hard Drive

REAR VIEW OF DRIVE MECHANISM

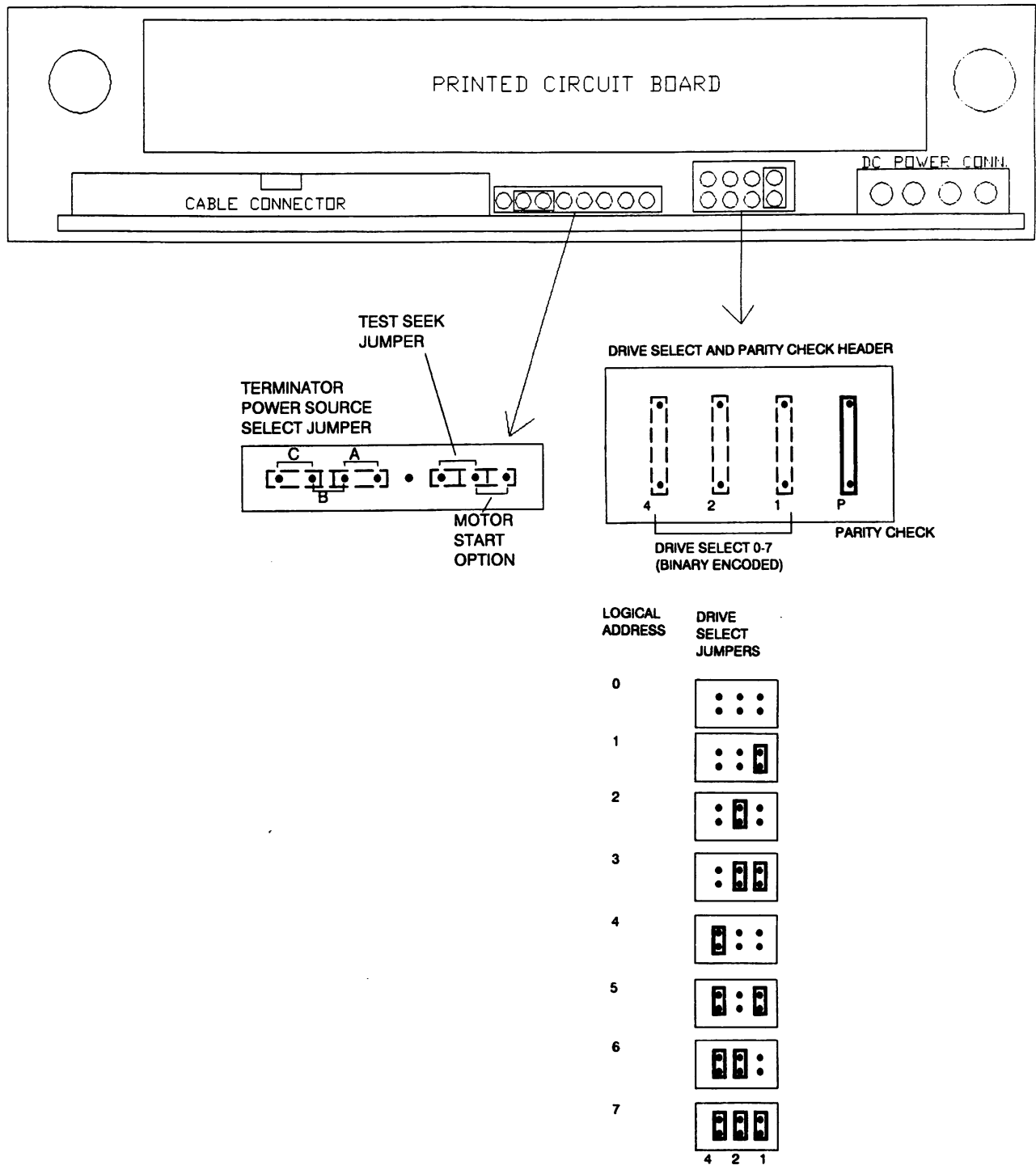
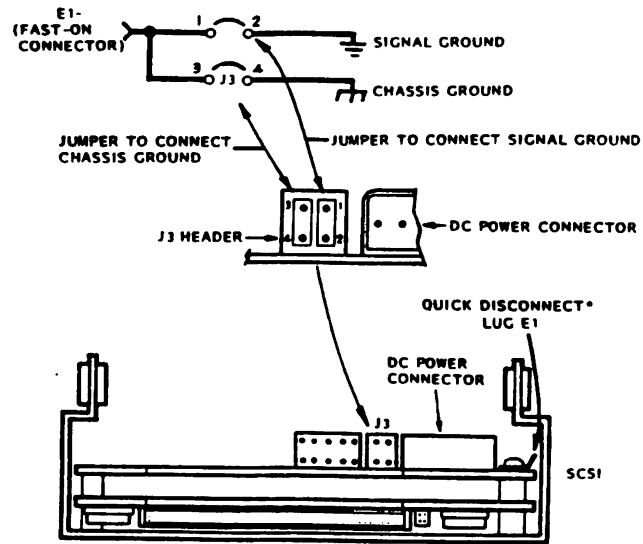
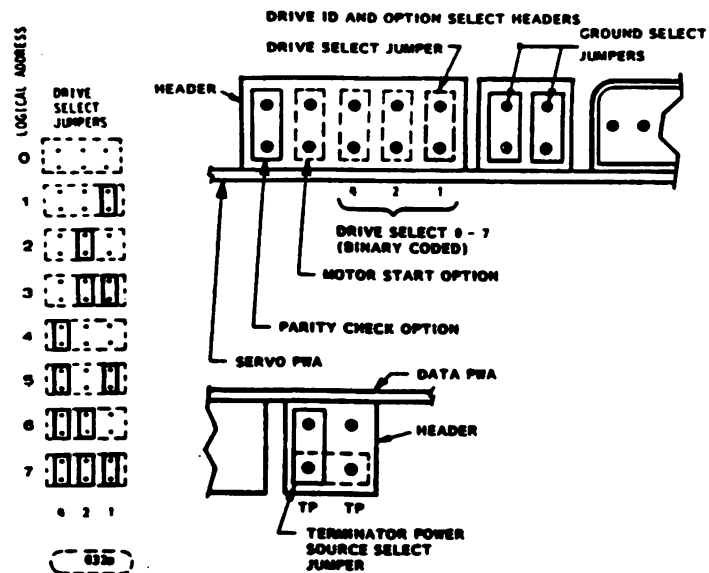


Figure 164. 170 MEG Quantum 5 1/4 inch SCSI Hard Drive



MM863d

344 MB FULL HEIGHT RIGID DISK DRIVE



035

344 MB FULL HEIGHT SCSI DRIVE ID AND OPTION SELECT HEADER

Figure 165. 344 MEG Quantum 5 1/4" SCSI Hard Drive

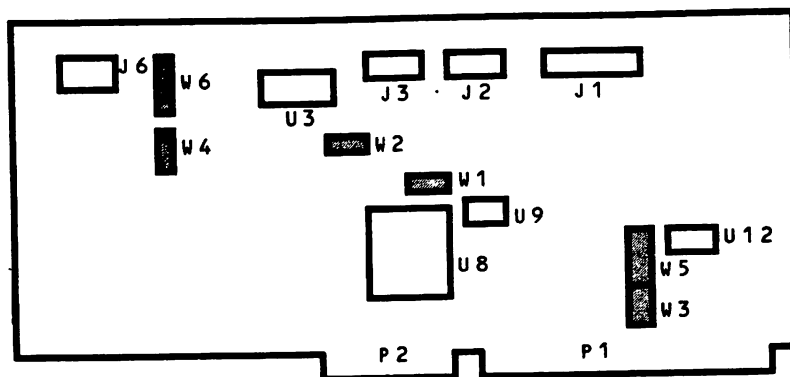


Figure 166. ST506 WD1003-WAH Hard Drive Controller

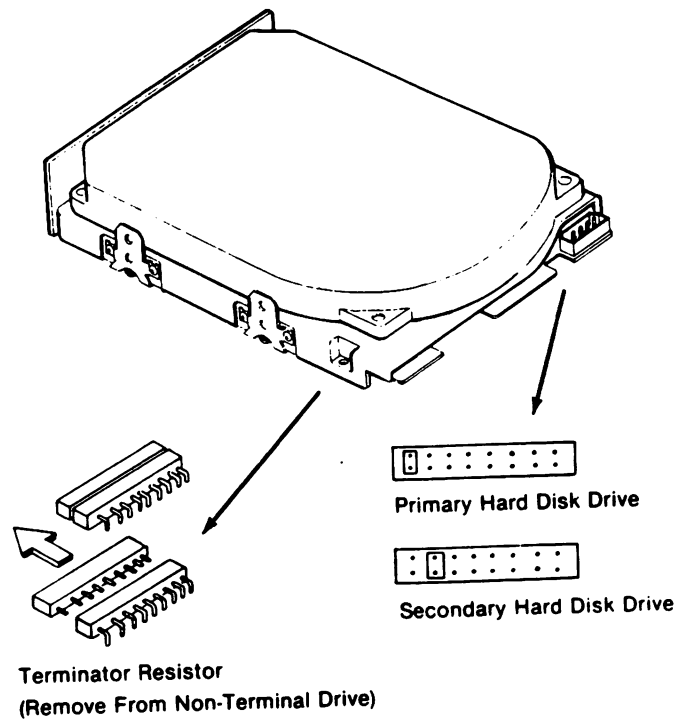


Figure 167. 40 MEG Seagate ST251 5 1/4" ST506 Hard Drive

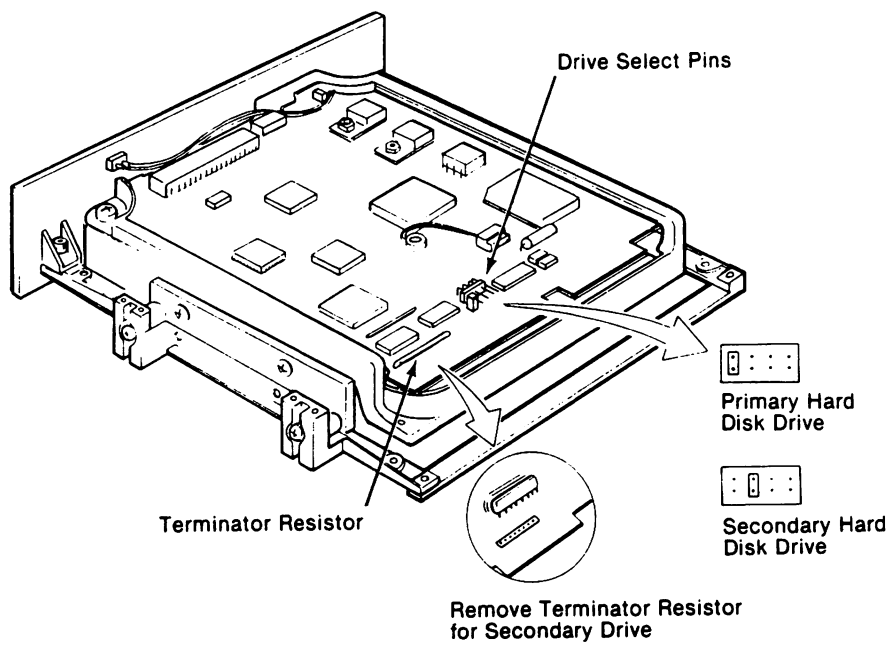


Figure 168. 40 MEG Rodime 3055 3 1/2" ST506 Hard Drive

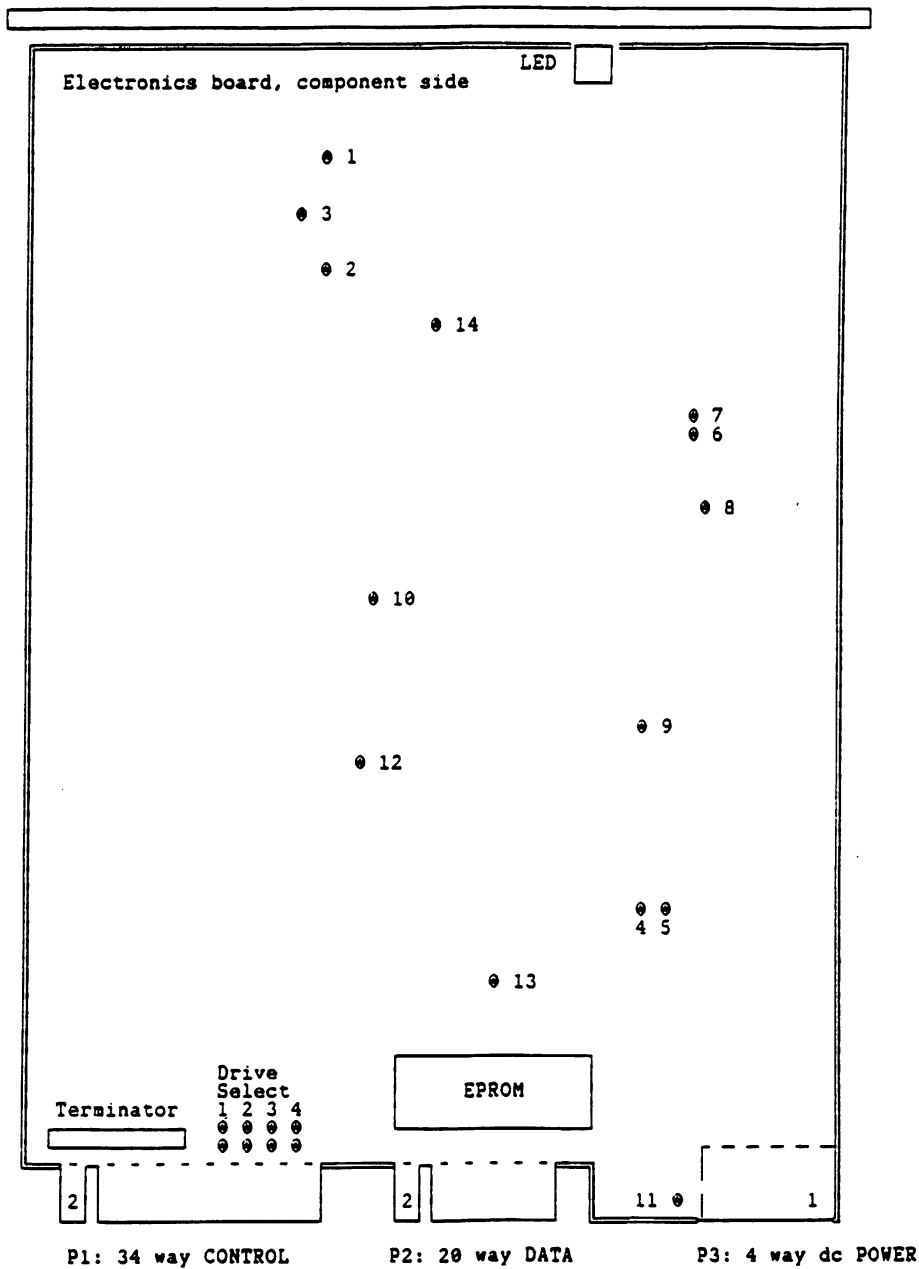


Figure 169. 70 MEG Rodime 5090 5 1/4" ST506 Hard Drive

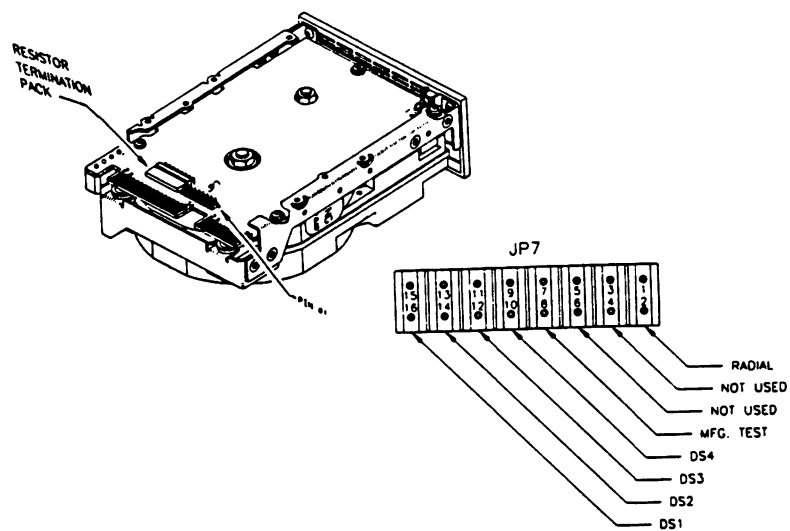


Figure 170. 40 MEG Seagate ST151 3 1/2" ST506 Hard Drive for 50000MC

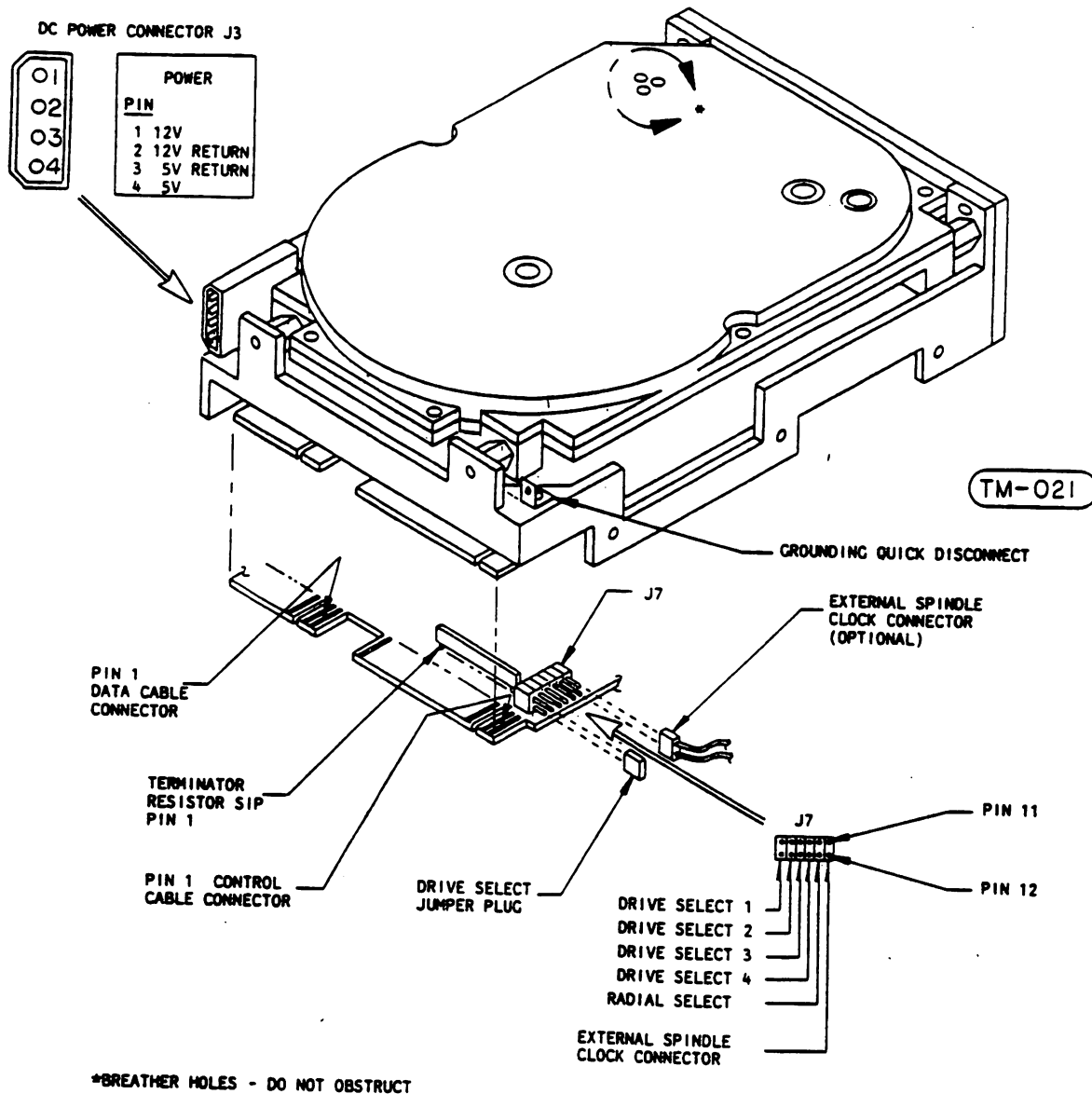


Figure 171. 80 MEG CDC 94355 3 1/2" ST506 Hard Drive for 50000MC

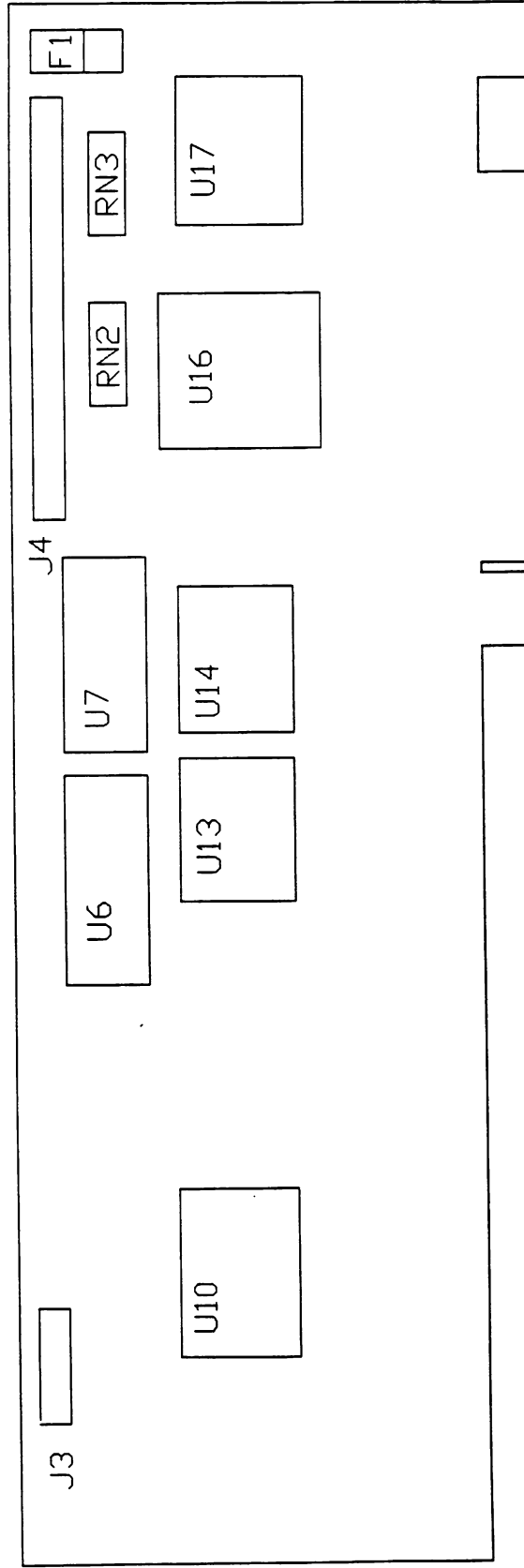


Figure 172. 16 Bit SCSI HD Controller for Tandy 5000MC

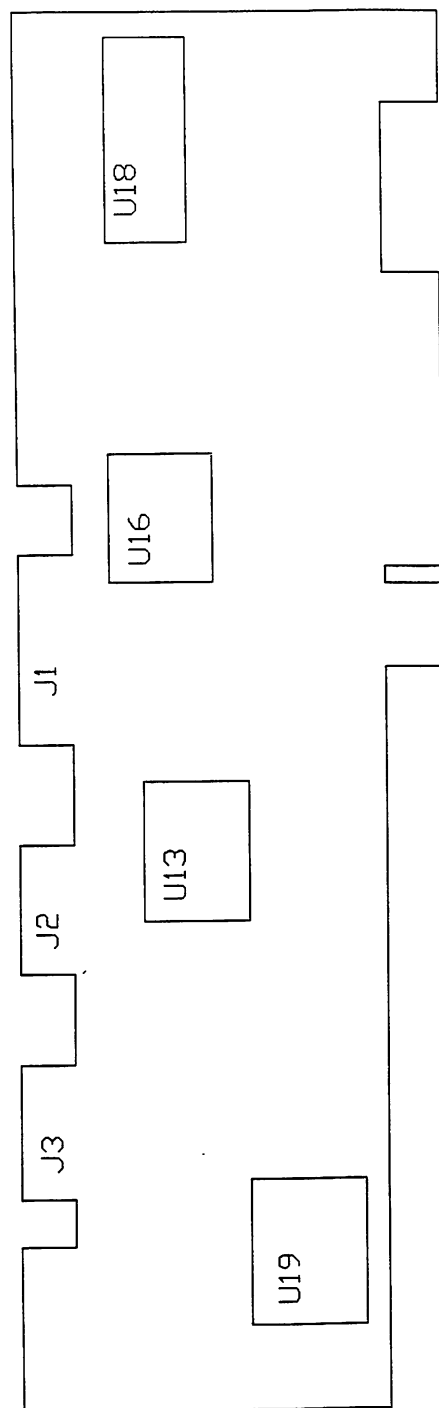


Figure 173. ST506-MC 5000 HD Controller

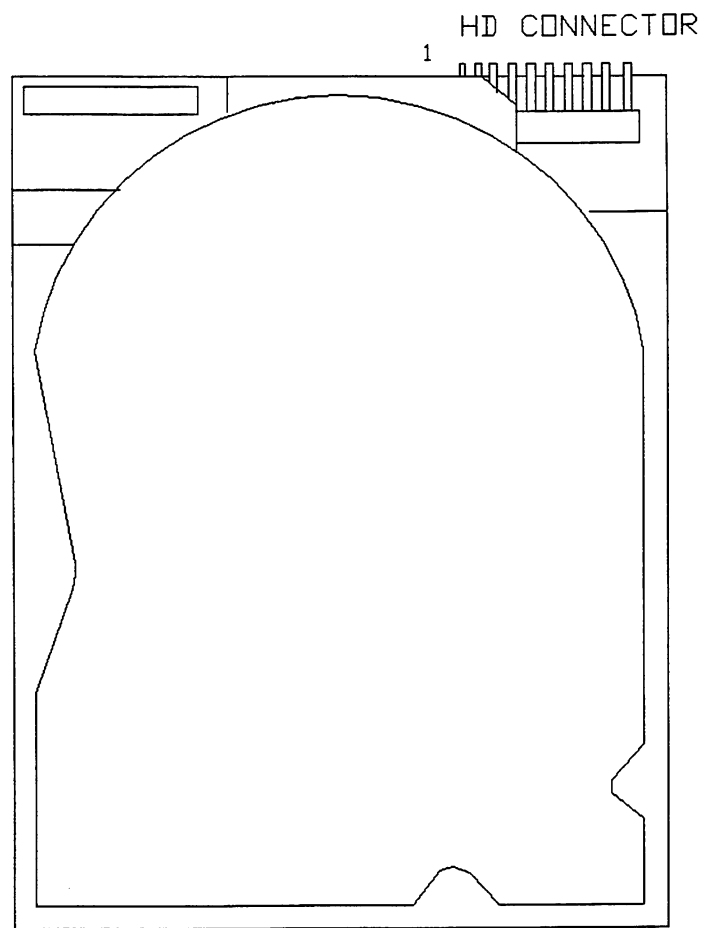


Figure 174. 20 MEG CMS (1400 LT) 3 1/2" Hard Drive

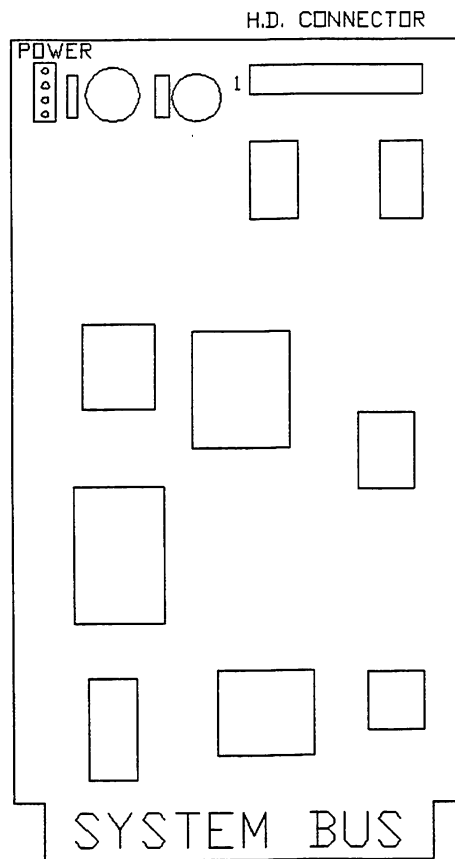
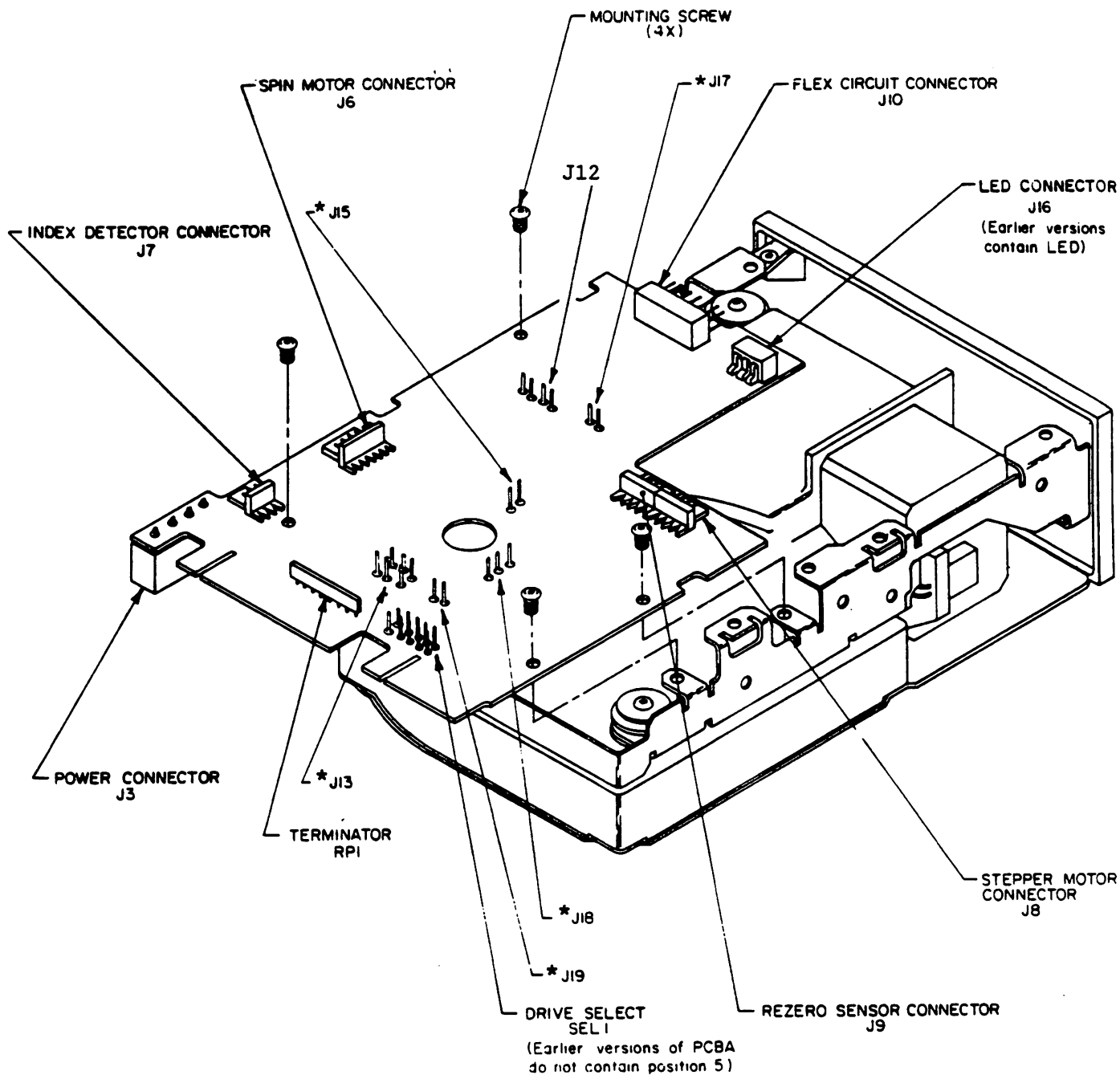


Figure 175. Lite Drive Controller Board



* Earlier versions of PCBA do not contain these jumpers.

Figure 176. 20 MEG MiniScribe 8438 Hard Card
Version 1

TABLE 3-3 SHUNT PLUG PROGRAMMING GUIDE	
Shunt	Signal
W4	Drive Select 3
W3	Drive Select 2
W2	Drive Select 1
W1	Drive Select 0
W5	Radial Configuration

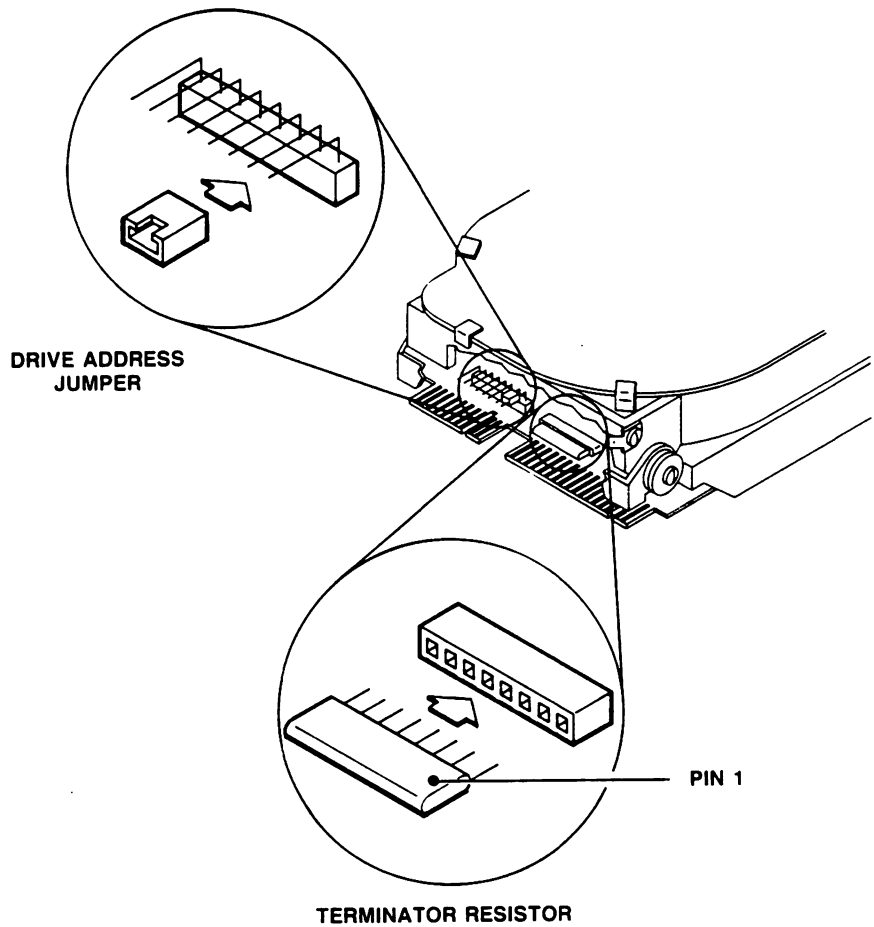
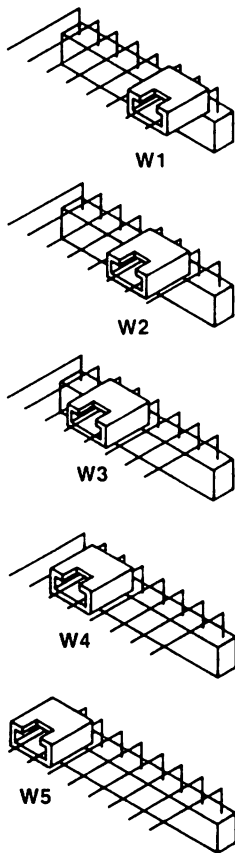


Figure 177. 20 MEG Tandon TM362 Hard Card
20 MEG Western Digital WD362 Hard Card

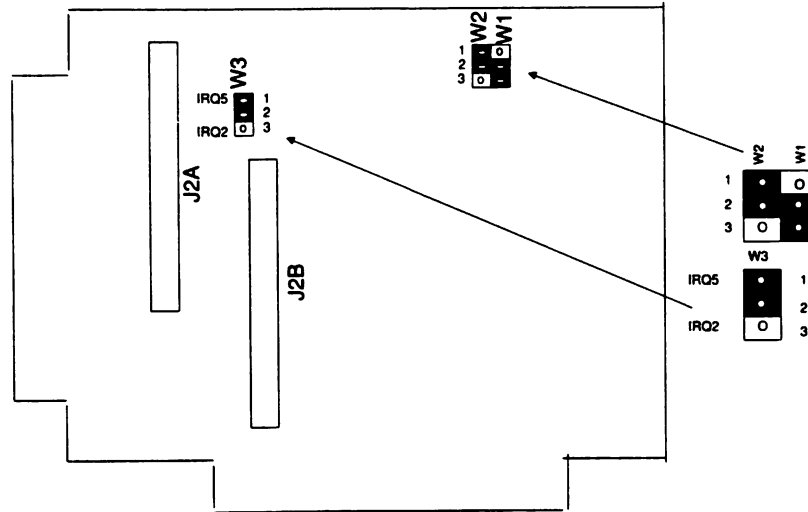


Figure 178. 20 MEG Western Digital 93028 IDE Hard Card Controller Board
 40 MEG Western Digital 93044 IDE Hard Card Controller Board

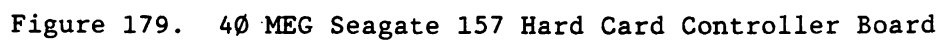


Figure 179. 40 MEG Seagate 157 Hard Card Controller Board

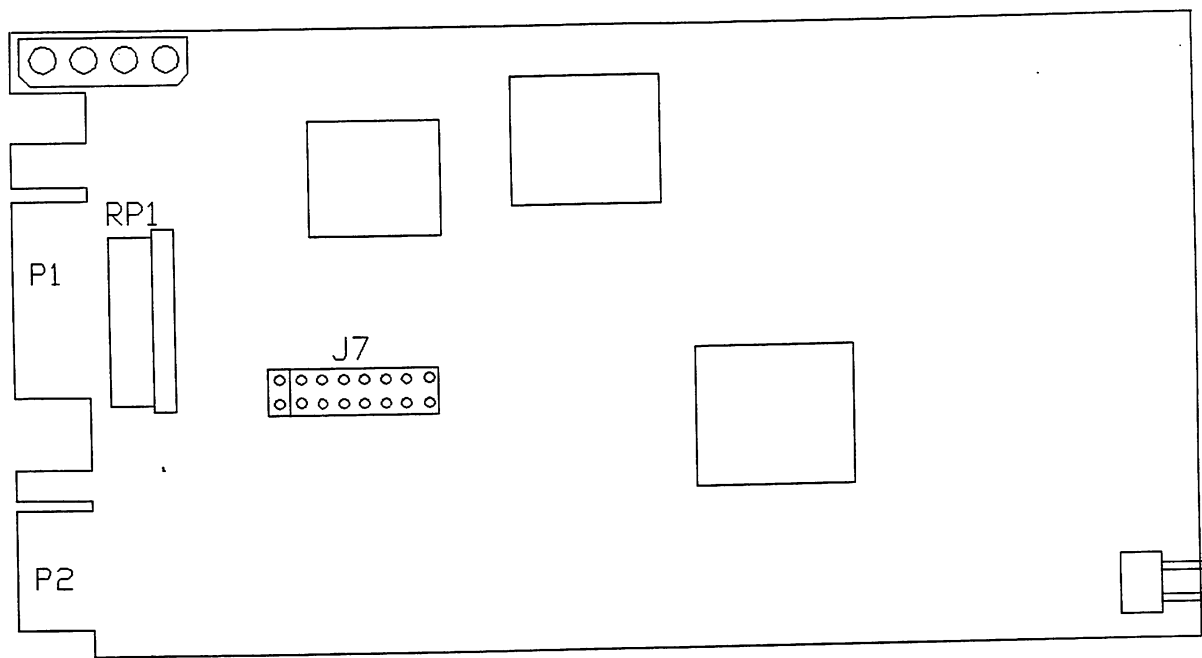


Figure 180. 40 MEG Seagate 157 Hard Card

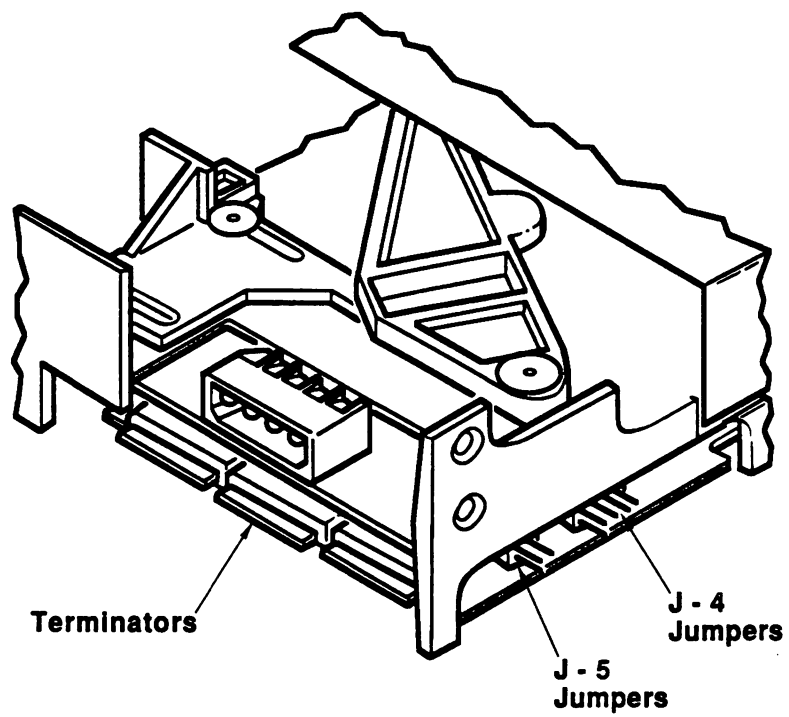


Figure 181. 150 MEG 5 1/4" SCSI Tape Drive

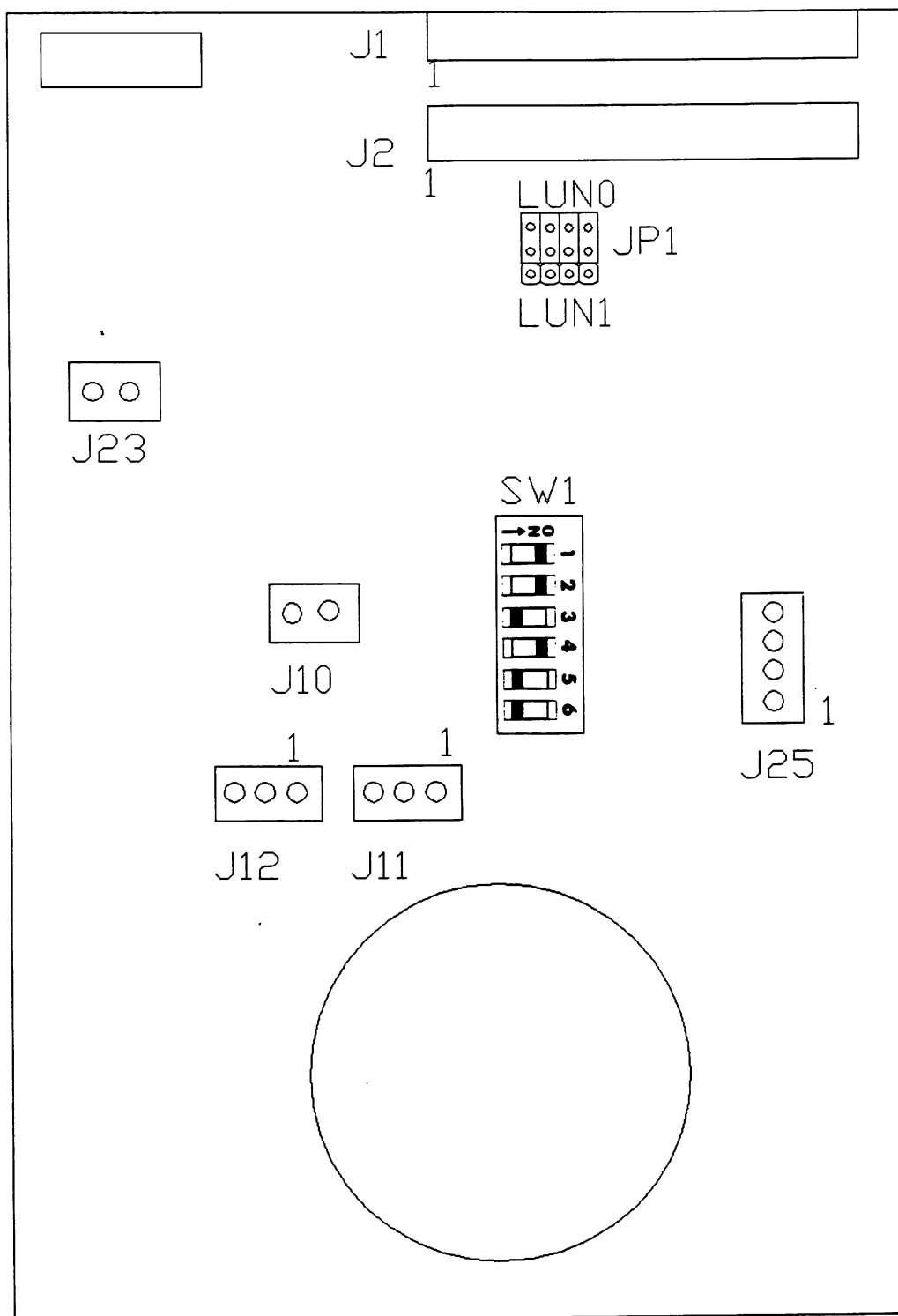


Figure 182. 20 MEG Internal Disk Cartridge System "A" Version

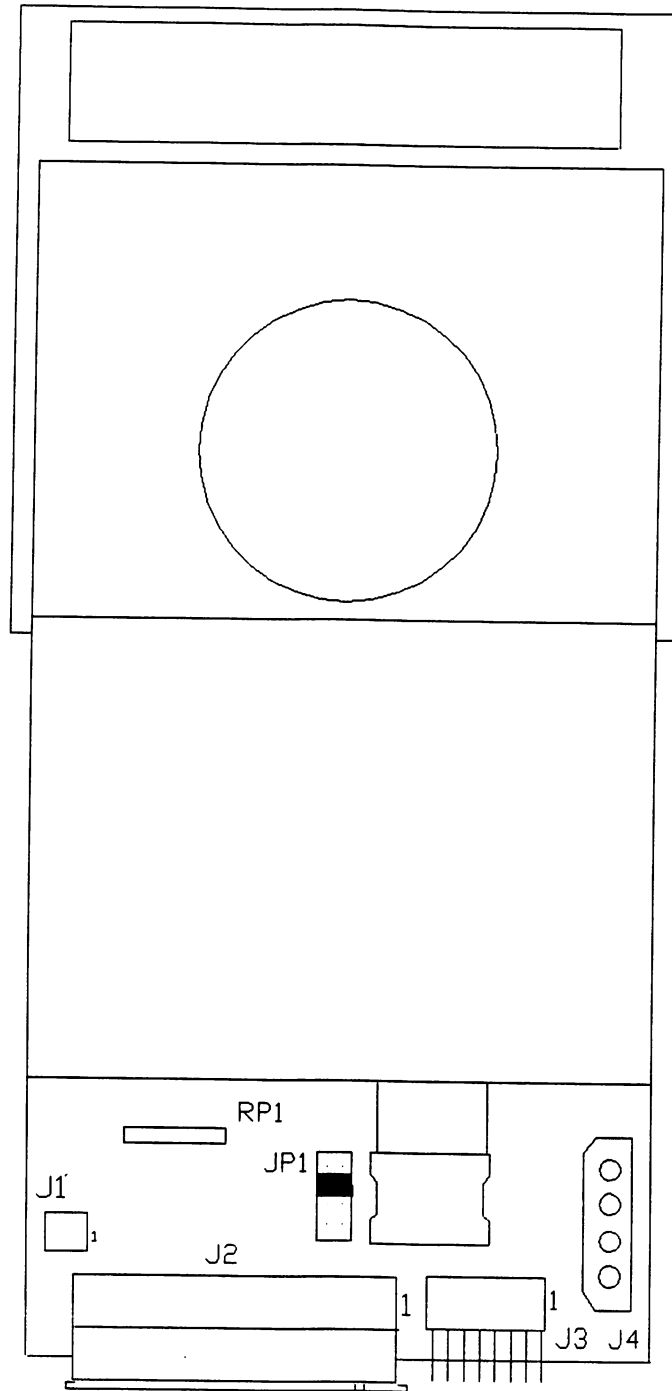
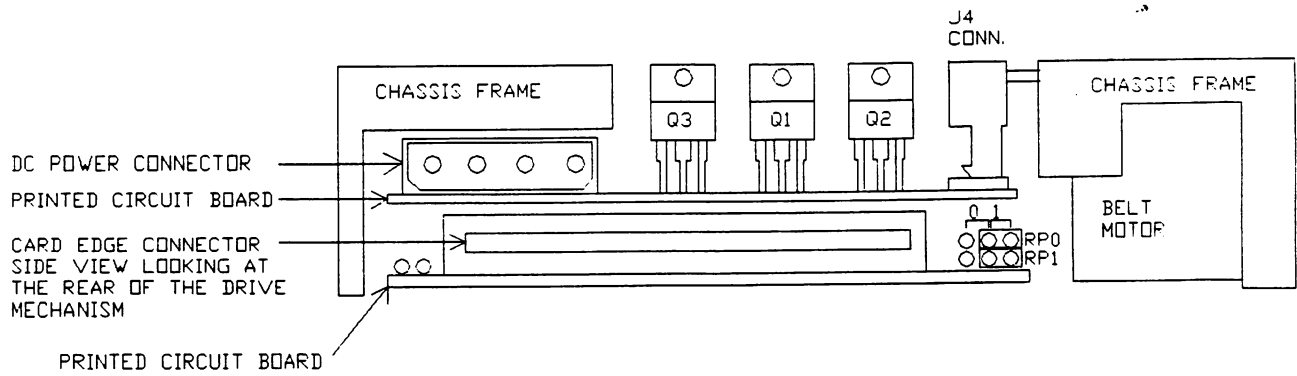


Figure 183. 40 MEG Internal Tape Cartridge System
40 MEG Internal Tape Cartridge System "A" Version



Archive Tape Drive Mechanism - Rear view

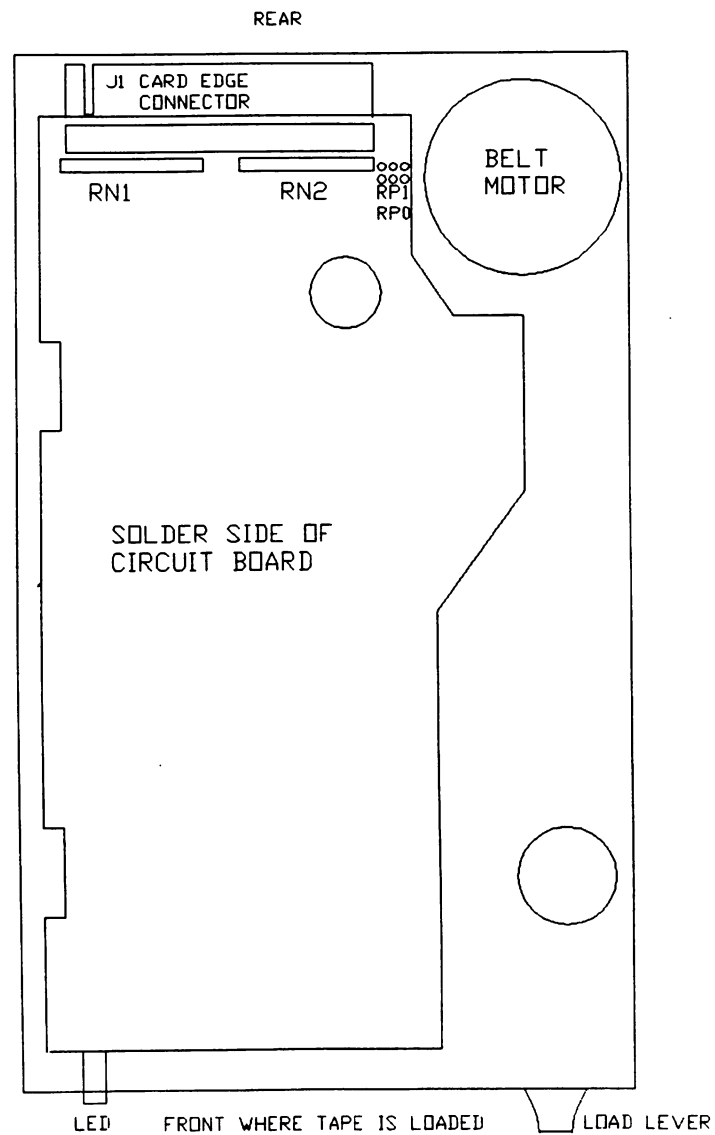


Figure 184. Archive Tape Drive Mechanism - Bottom view

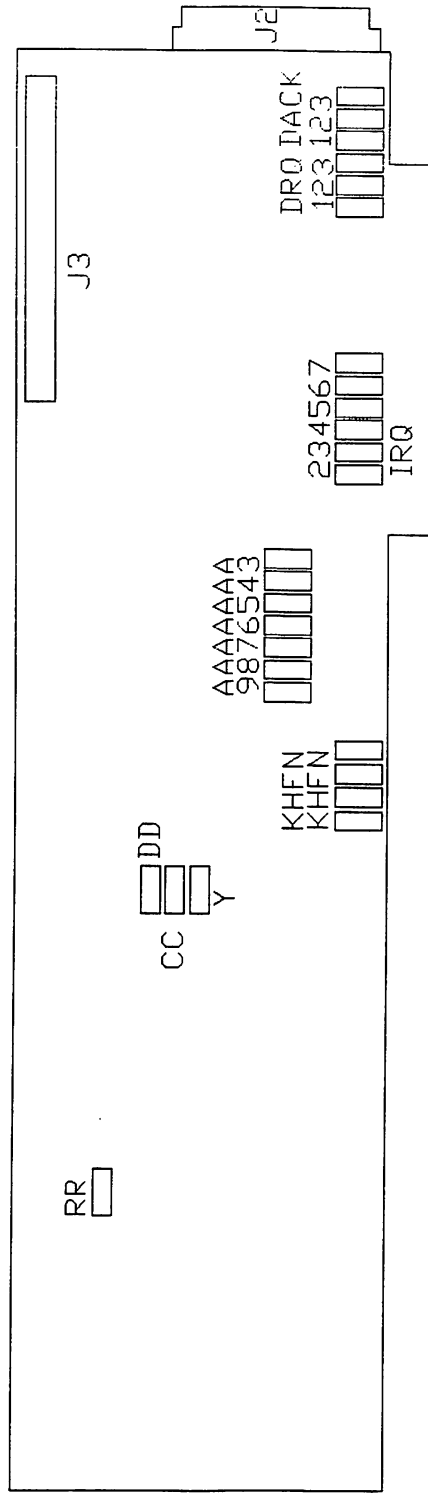


Figure 185. Long Interface Board SC-499

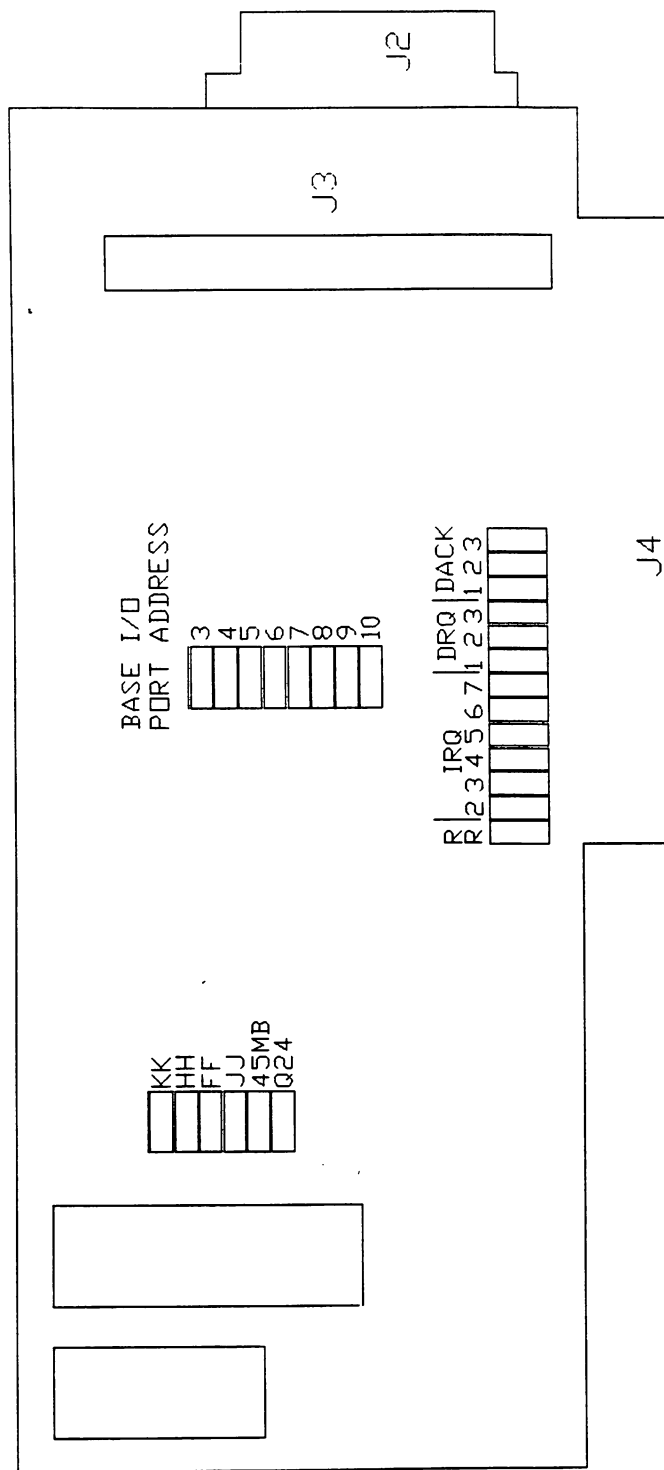


Figure 186. Short Interface Board SC-499R

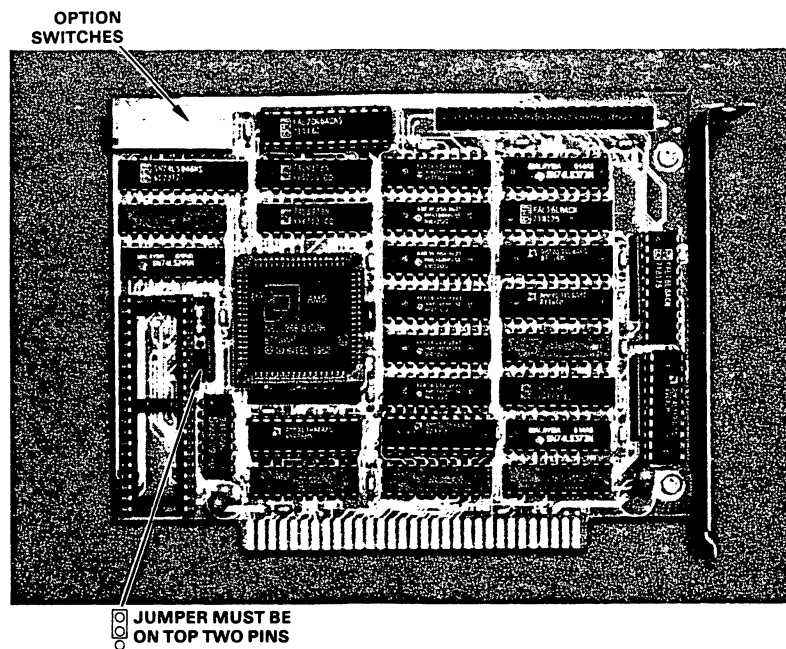


Figure 187. 286 Express Board For Tandy 1000/A/SX series computers.

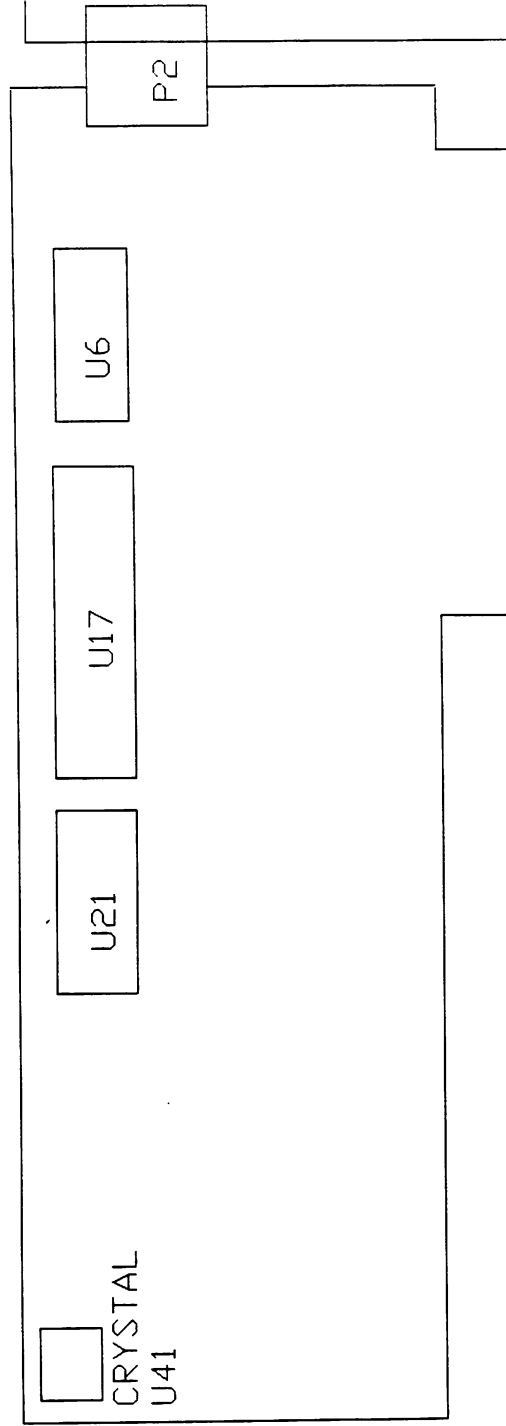


Figure 188. Deluxe Text Display Adapter Revision B AX-Ø189 Short version
 Deluxe Text Display Adapter Revision C AX-Ø233 Short version

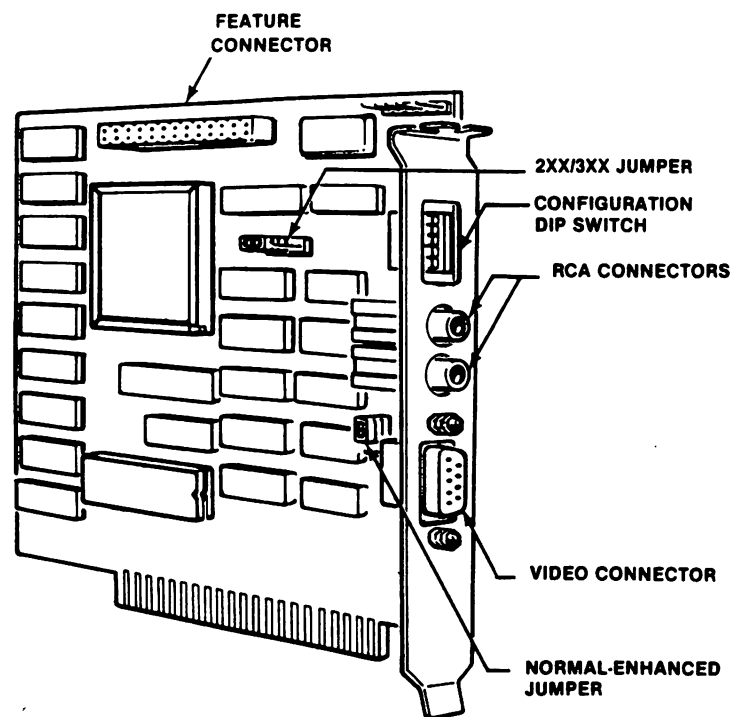


Figure 189. EGA/CGA Video Board

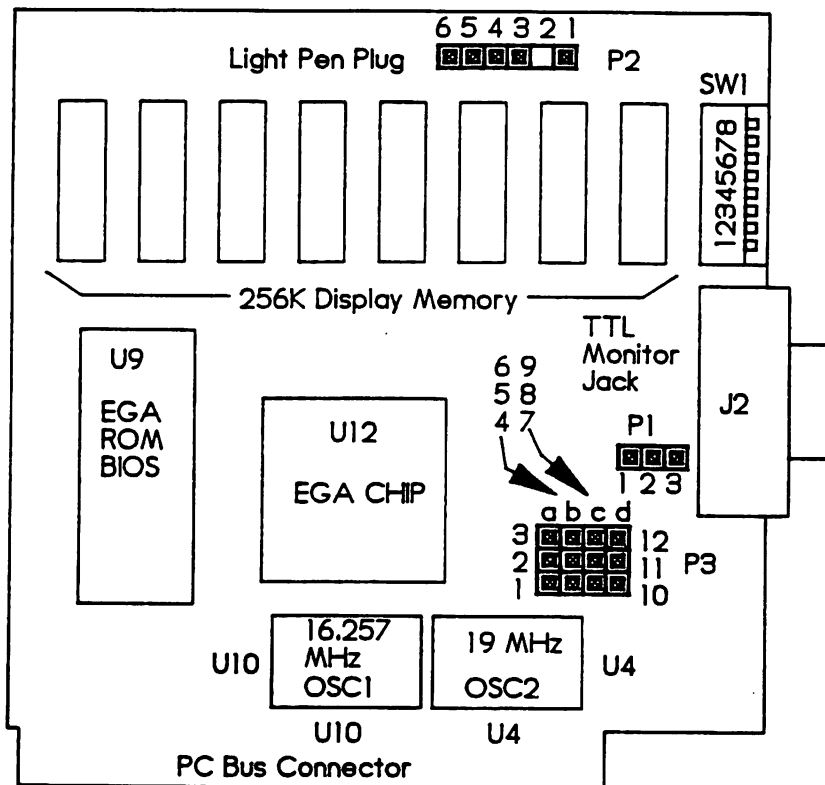


Figure 190. EGA/CGA Video Board "A" Version

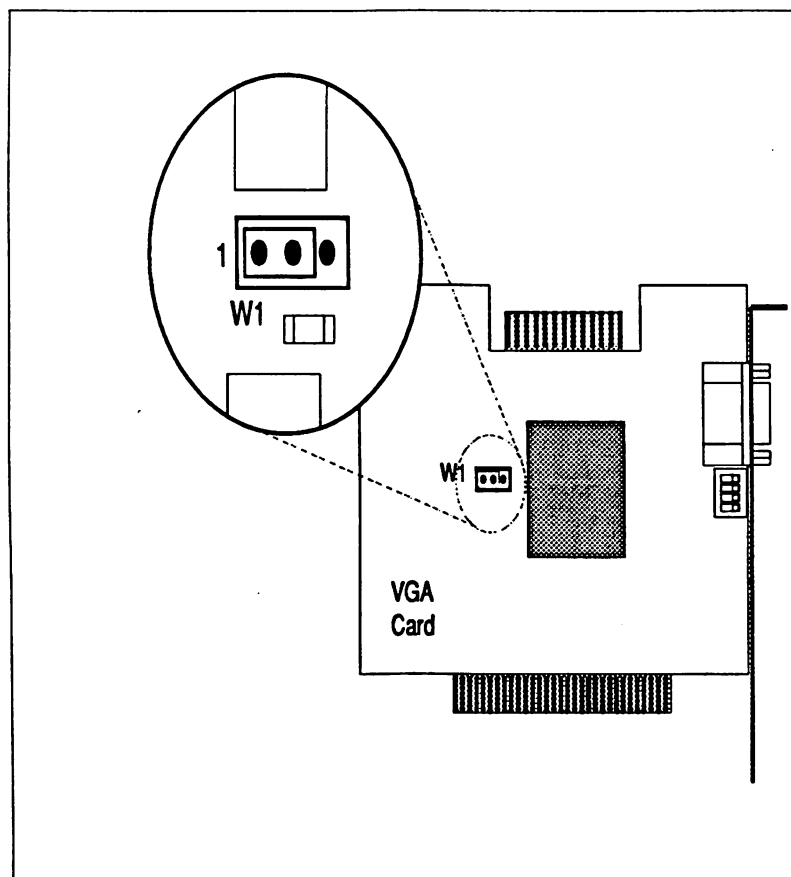
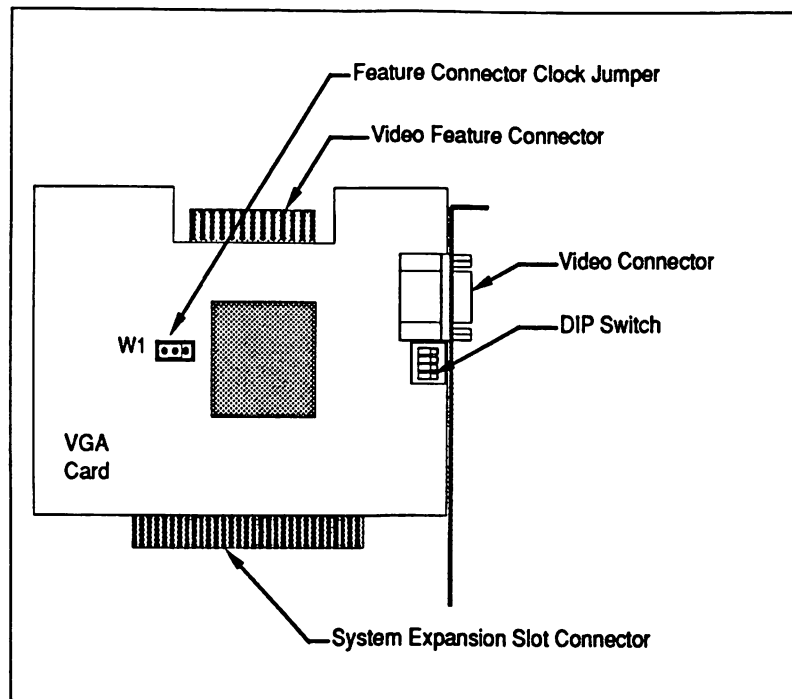


Figure 191. VGA Graphics Adapter Board

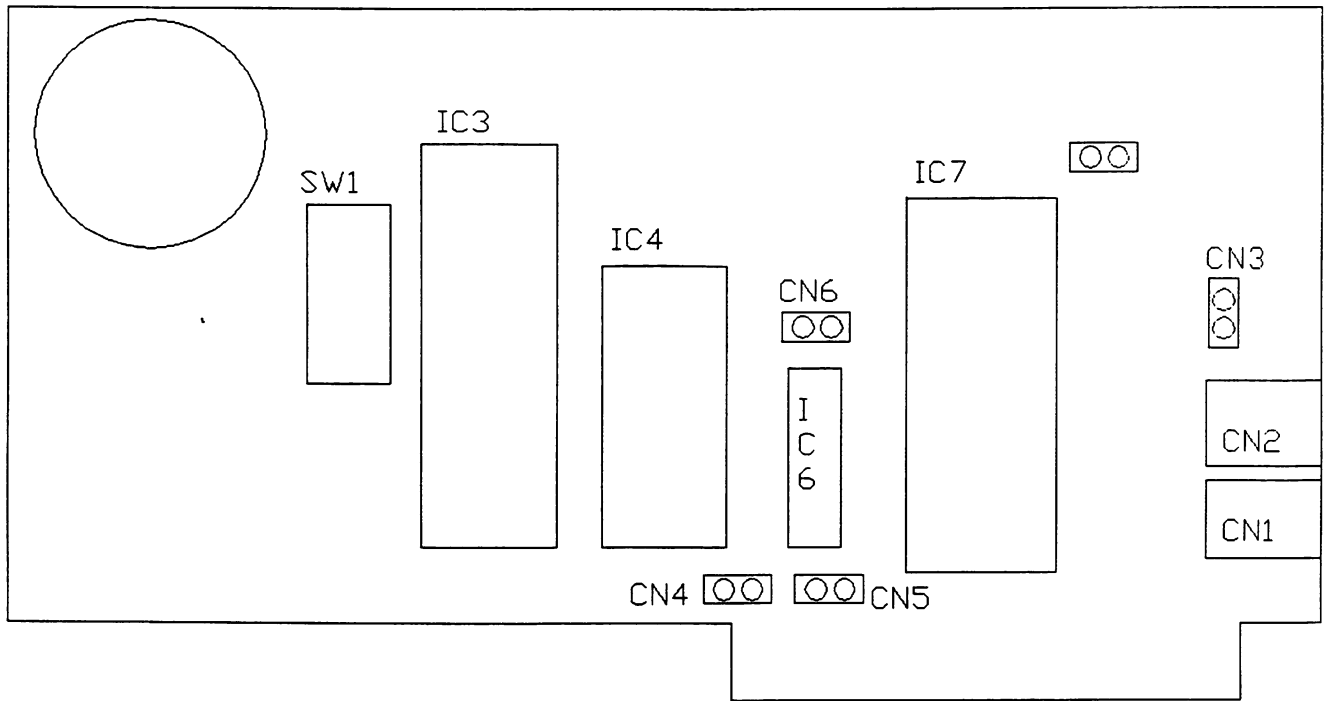


Figure 192. 1200 Baud Internal Modem Board Revision D and E

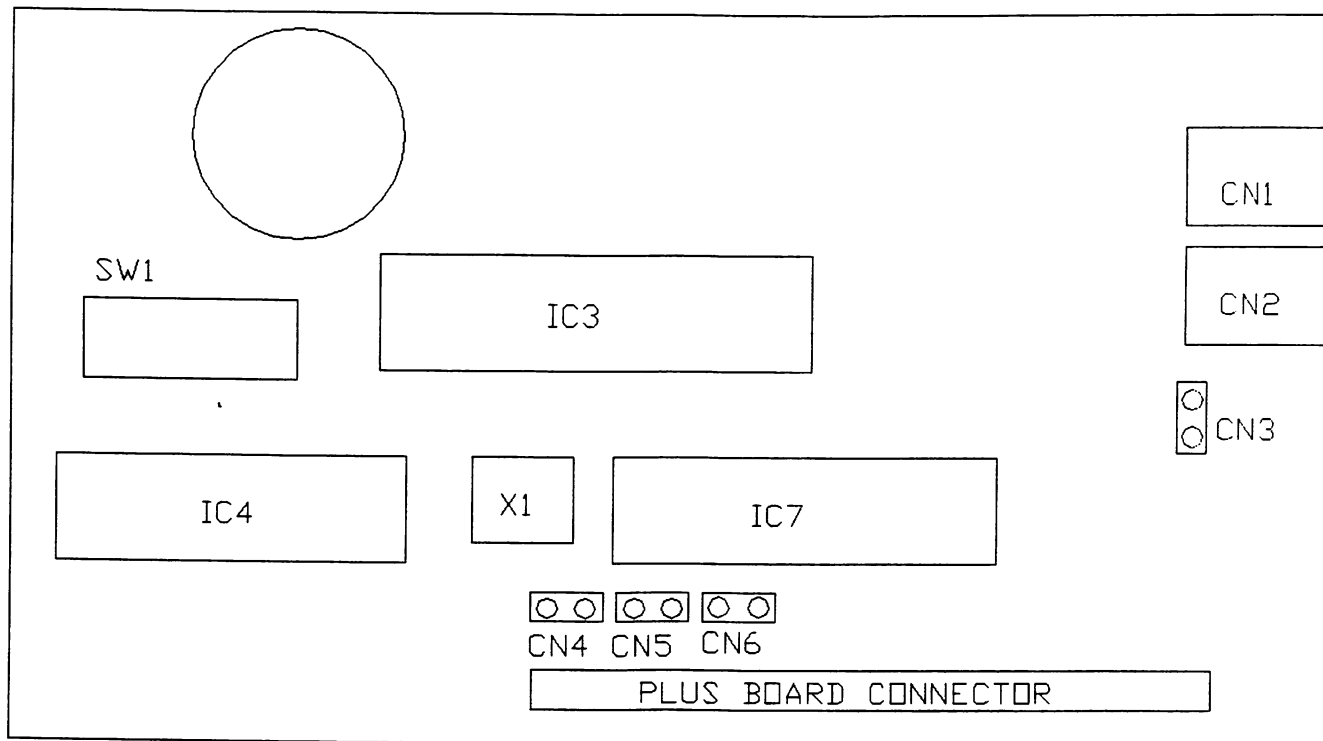


Figure 193. 1200 Baud PLUS Modem Board Revision A

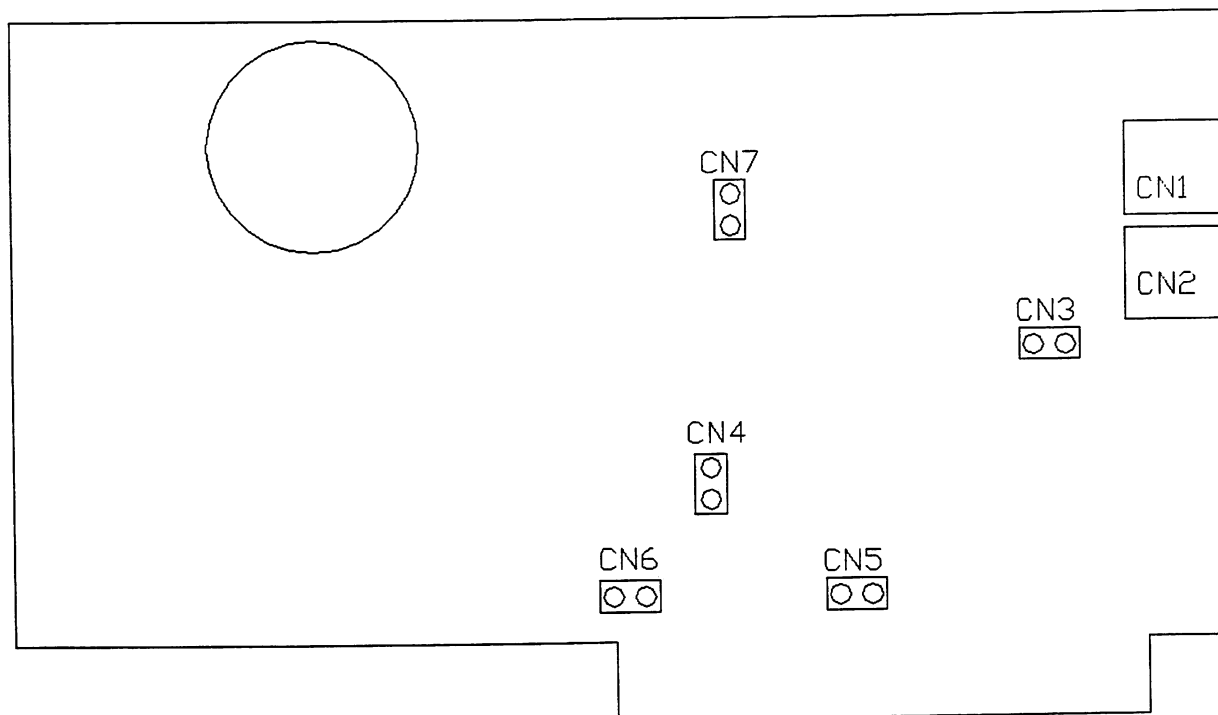


Figure 194. 2400 Baud Internal Modem Board Revision Plain/A

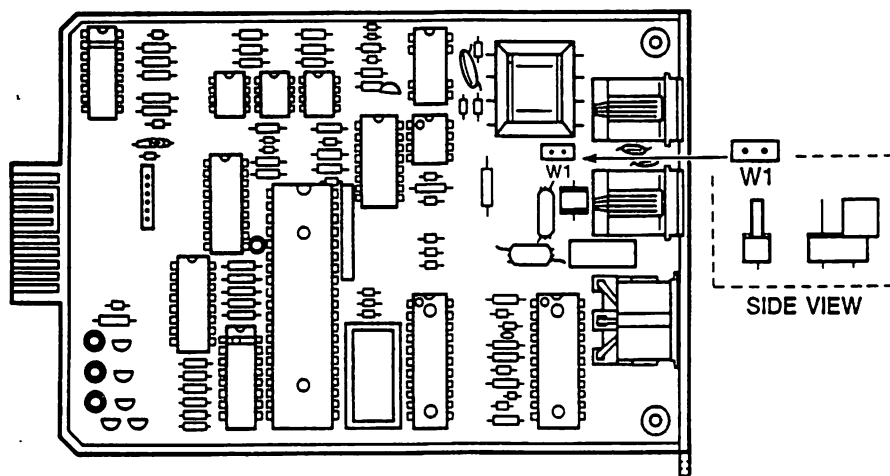
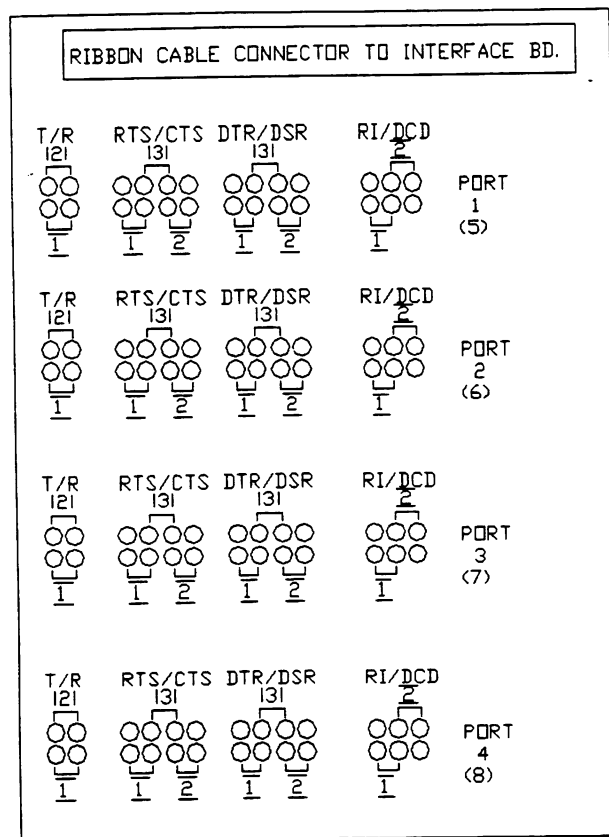


Figure 195. 1200 Baud LT1400 Internal Modem Board



Ribbon Cable Connector Board

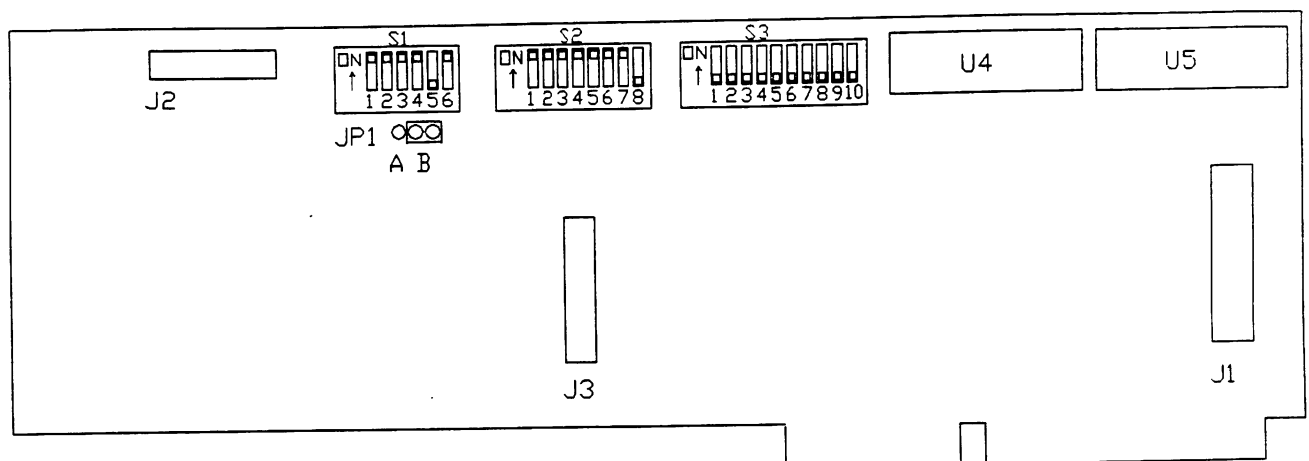


Figure 196. ARNET Smartport 4 Board

P3 PLUGS ONTO SMARTPORT 4
INTERFACE BOARD CONNECTOR J3

J1 CONNECTOR FOR RIBBON
CABLE WHICH CONNECTS TO
D-SUB ADAPTER BOX

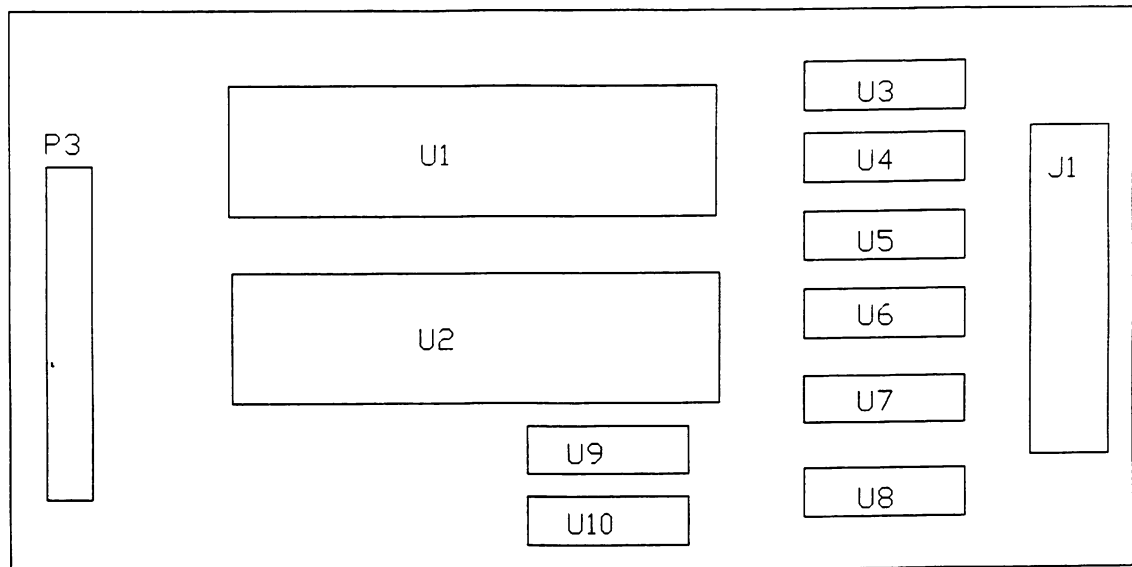


Figure 197. ARNET Smartport 8 Adapter Board

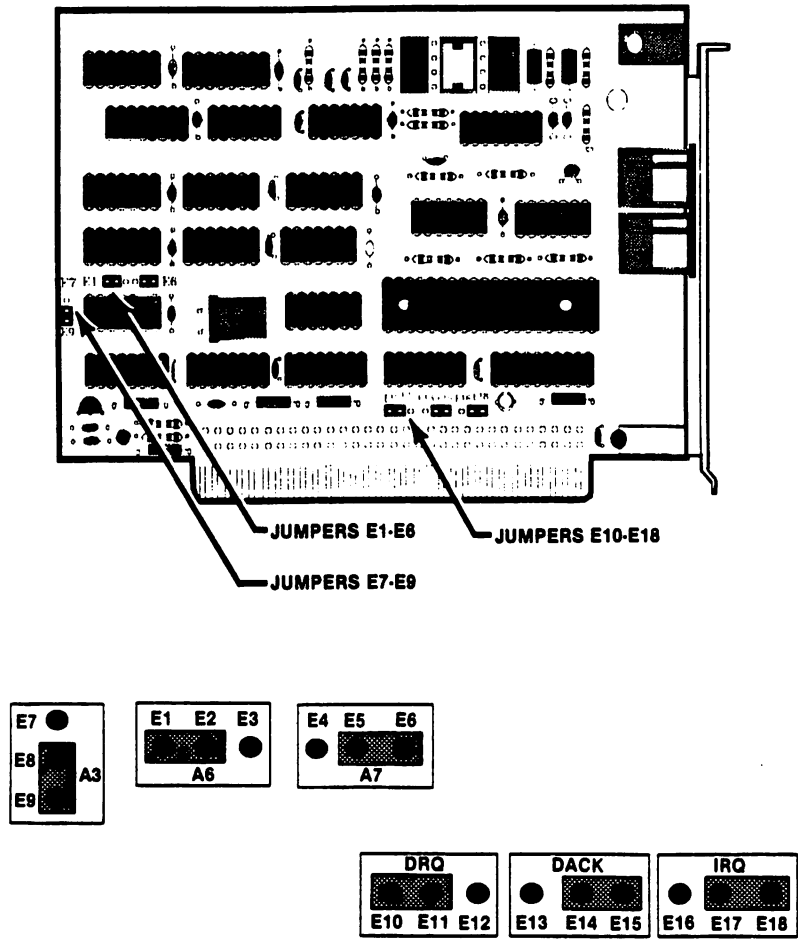


Figure 198. Tandylink Board
Tandylink PLUS Board

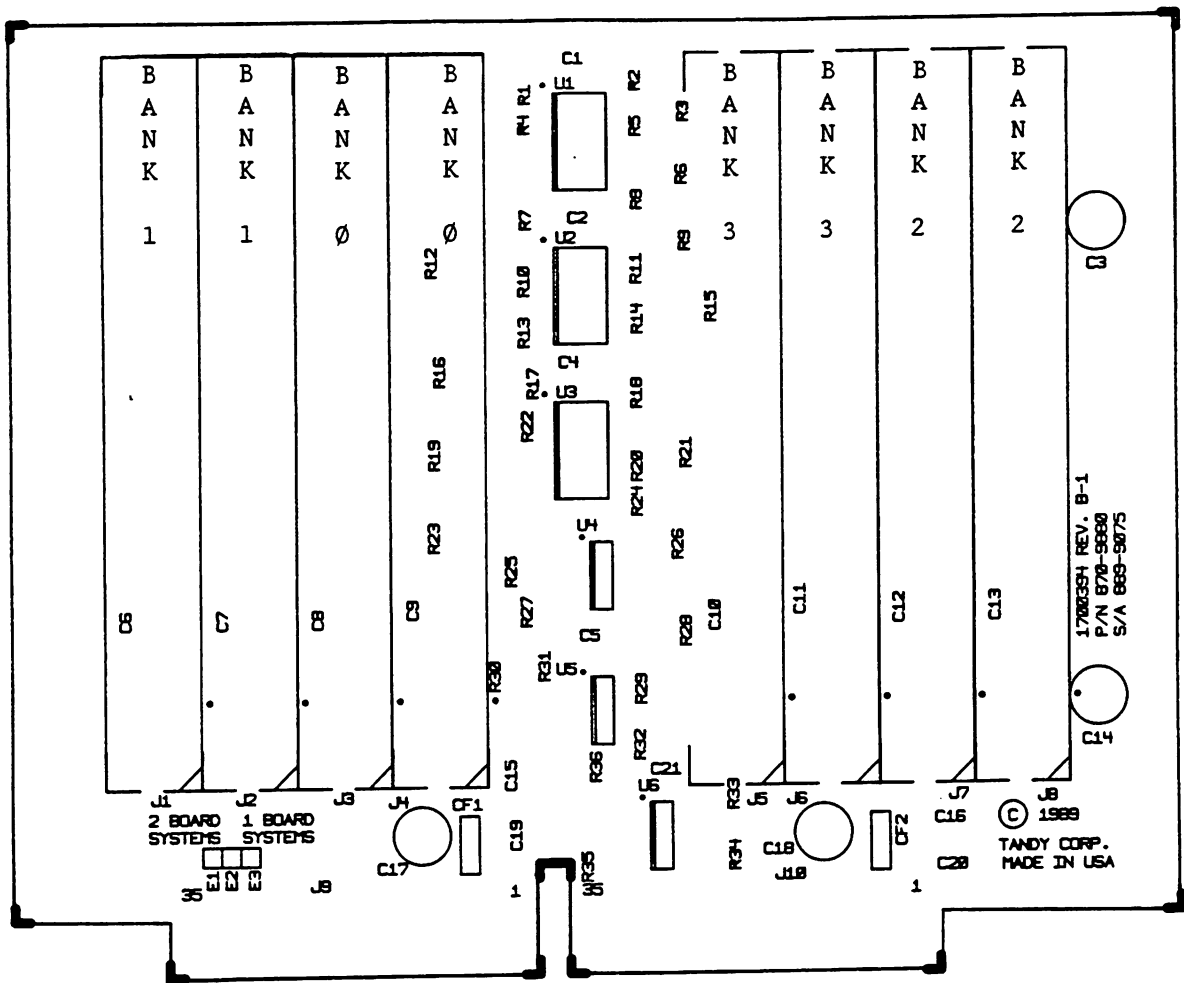


Figure 199. 0K Memory Expansion Adapter for Tandy 3000NL with jumper

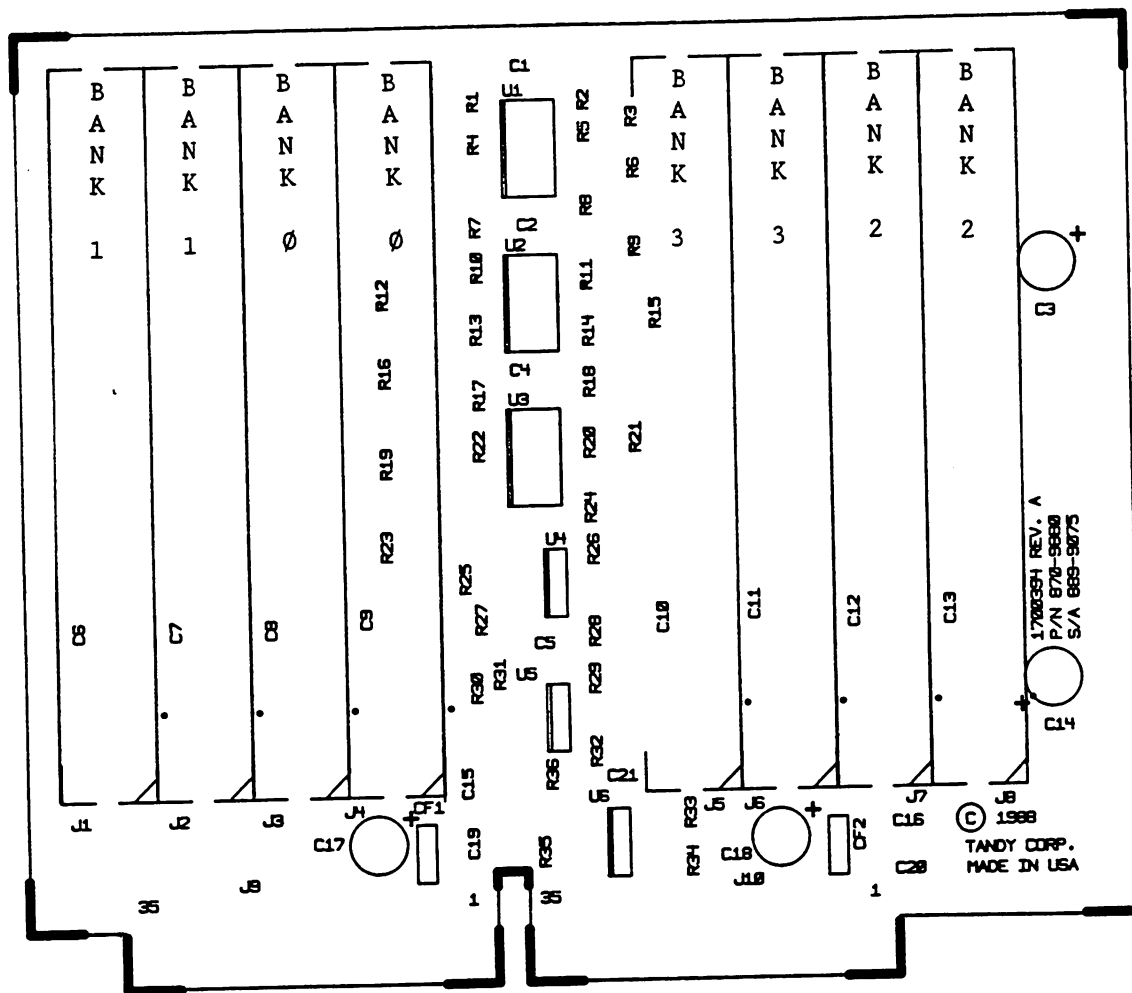


Figure 200. 0K Memory Expansion Adapter for Tandy 3000NL without jumper

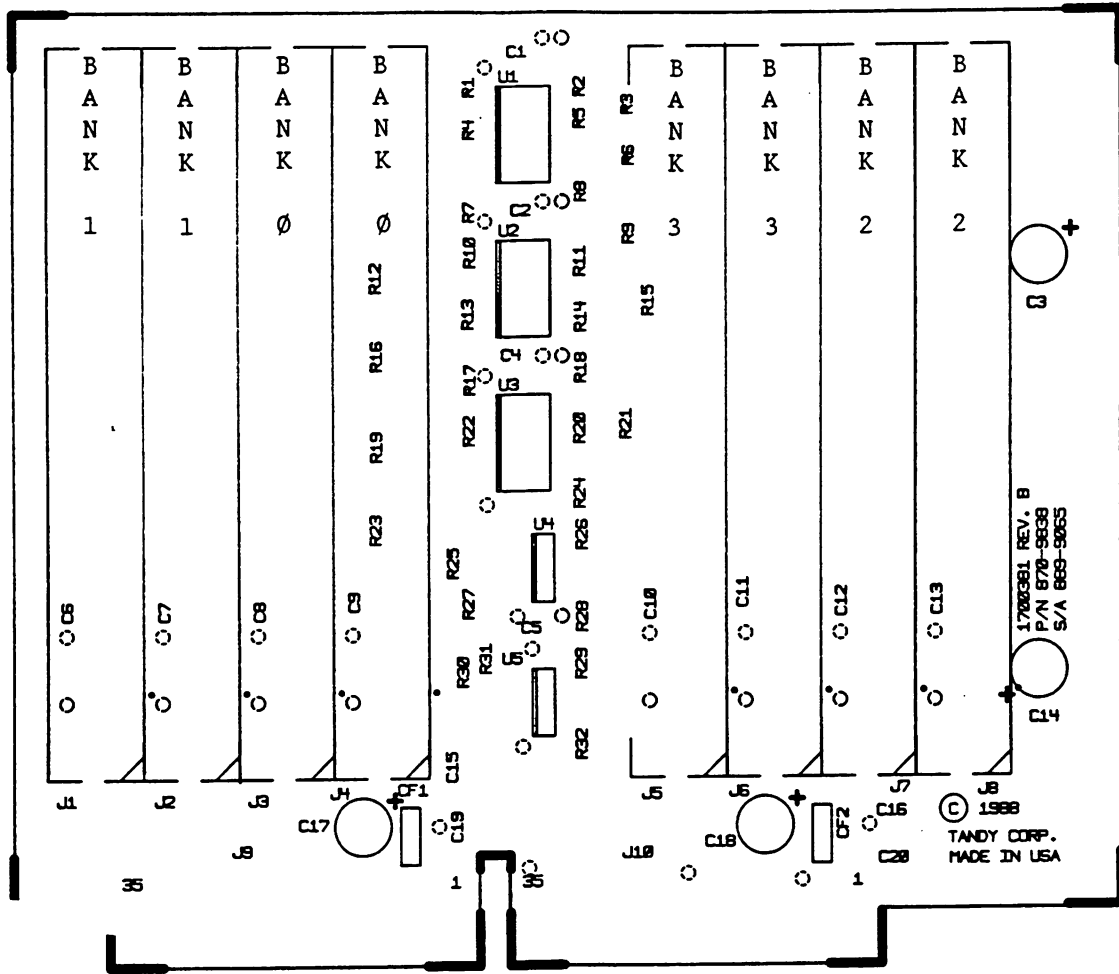


Figure 201. 0K Memory Expansion Adapter for Tandy 5000MC

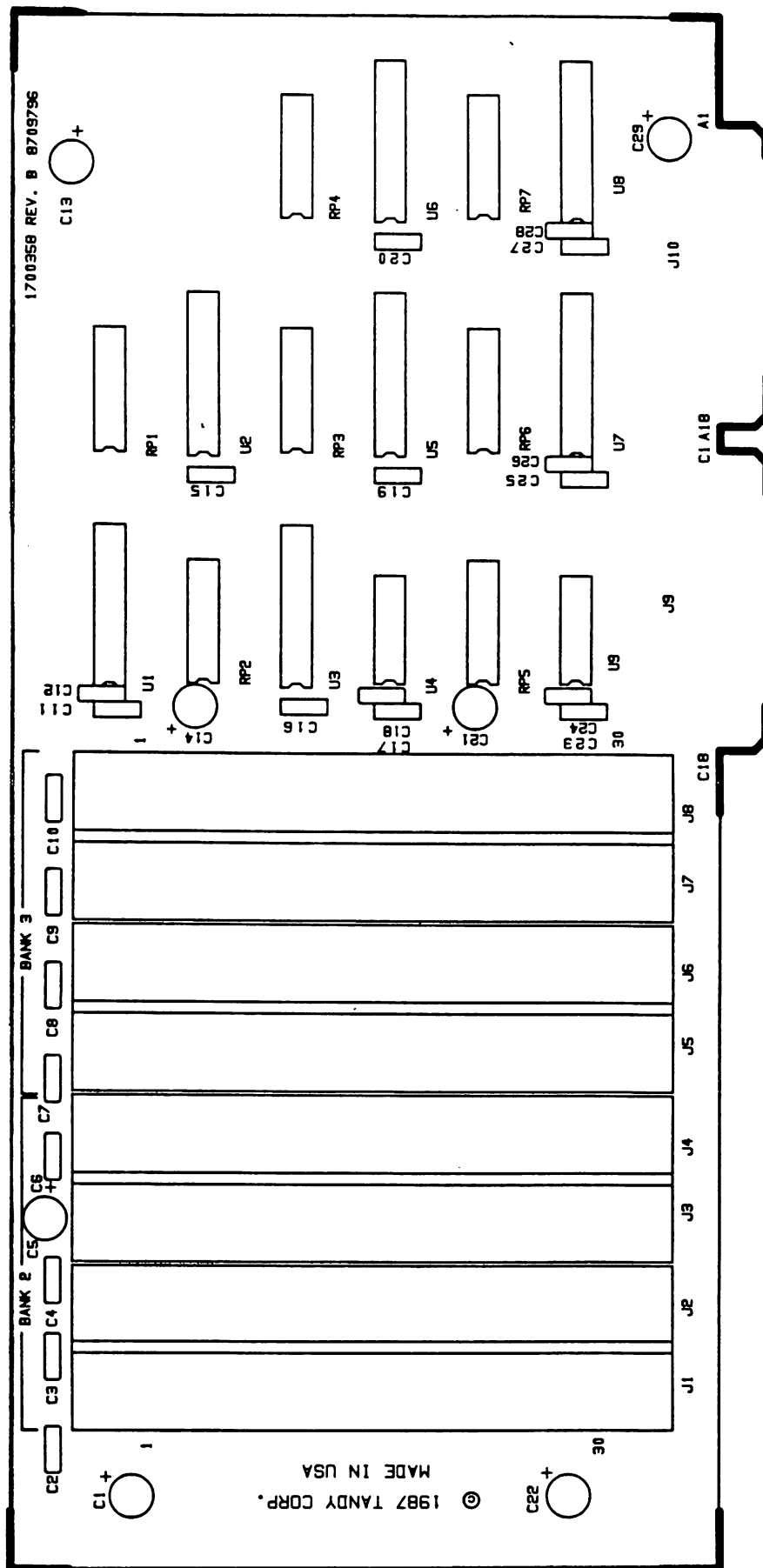
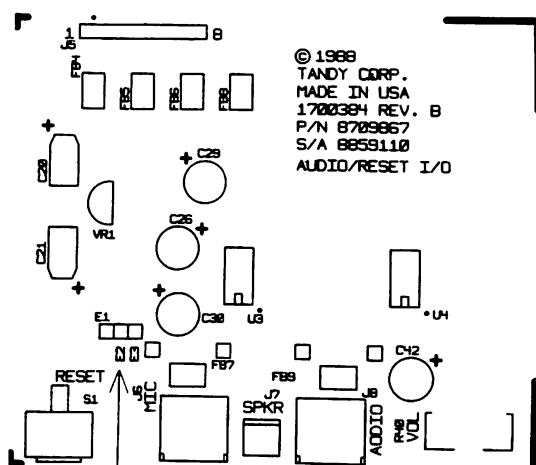
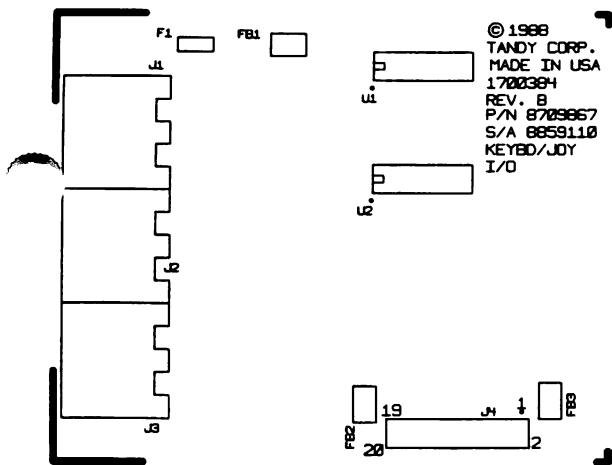


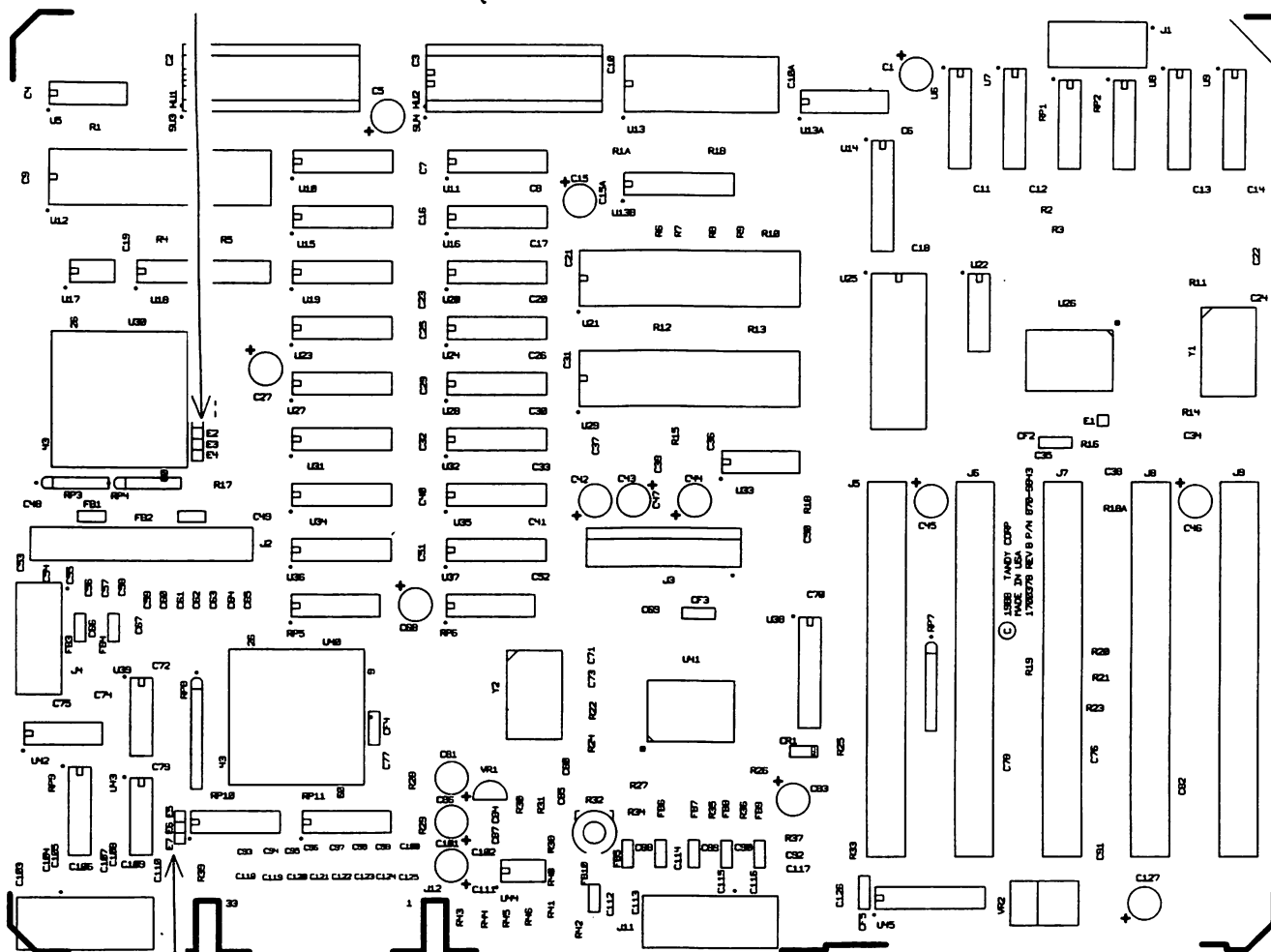
Figure 202. 32 Bit Memory Board for Tandy 4000/LX



Keyboard/Joystick Satellite Board

E1 - E2 connects line input to AUDIOIN
E2 - E3 connects mike input to AUDIOIN
Satellite Sound Board

E2 - E3 connects IRQ5 to the bus
E3 - E4 connects IRQ5 to VSYNC



E5 - E6 connects SLCTIN* to the printer
E6 - E7 ties SLCTIN* high

Figure 203. Tandy 1000SL Main Logic Board

E4 - E5 on connects SLCTIN* to printer
| off ties SLCTIN* high

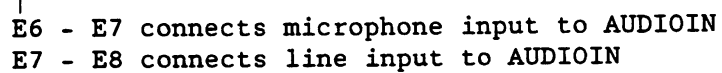


Figure 204. Tandy 1000TL Main Logic Board

E11 - E12
See text

E1 - E2
E3 - E4
See text

See text
Switch S2

E7 - E8
E9 - E10
See text

© 1967
TANDY CORP.
MADE IN USA
1700369 REV. A

Switch S3
See text

Figure 205. Tandy 1000TX Revision A (Cleburn Version)

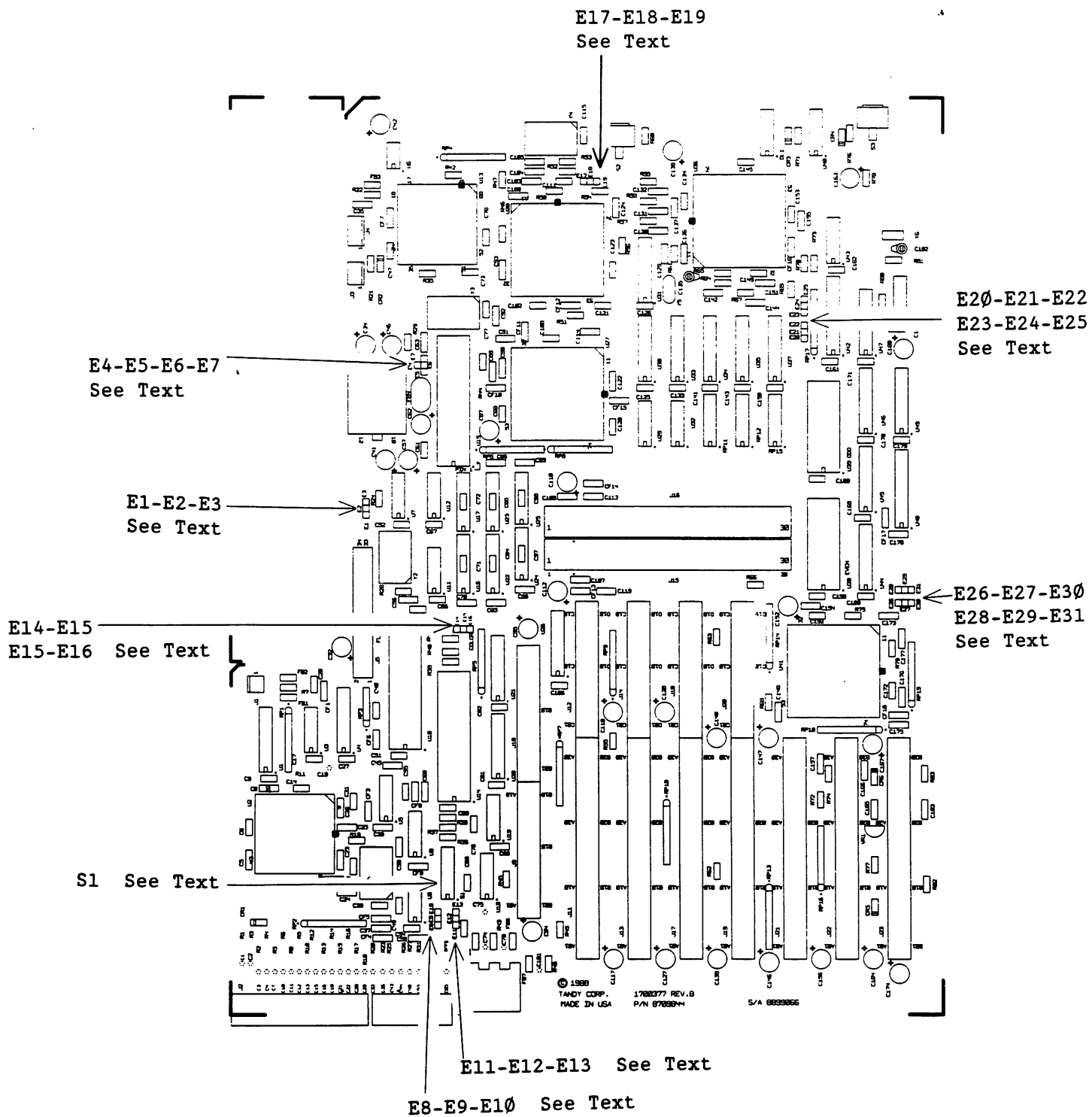
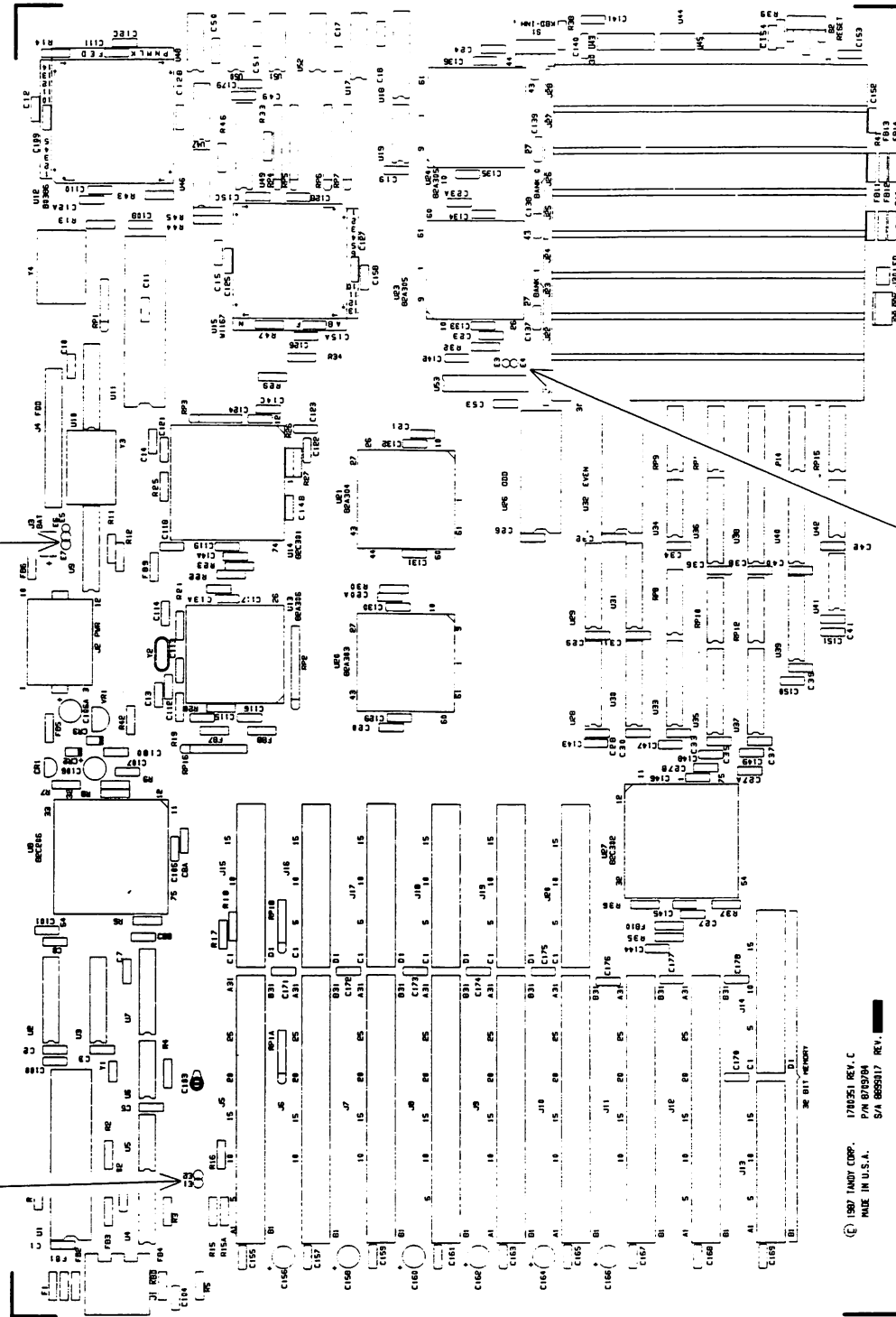


Figure 206. Tandy 3000NL Main Logic Board

E1 - E2 OFF for monochrome mode
ON for color mode

E5 - E6 ON sets primary address for
on board floppy controller

E6 - E7 ON sets secondary address for
on board floppy controller



E3 - E4 OFF for coprocessor not installed
ON for coprocessor installed

Figure 207. Tandy 4000LX Main Logic Board
Revision C, C-1

© 1987 TANDY CORP. 170551 REV. C
P/N 870504
MADE IN U.S.A. S/A 880517 REV. C

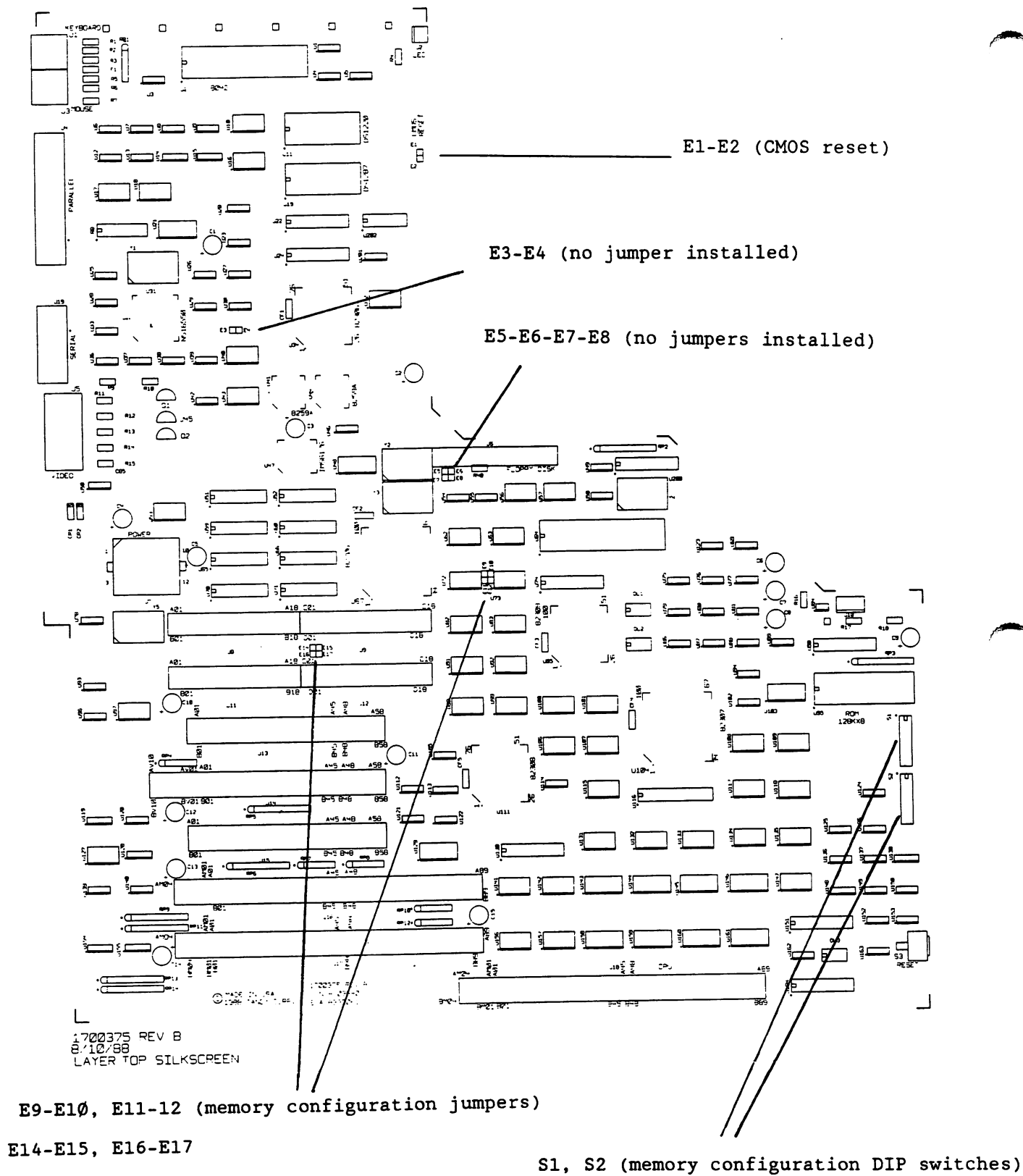
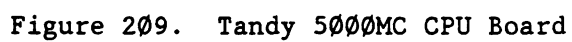


Figure 208. Tandy 5000MC Main Logic Board



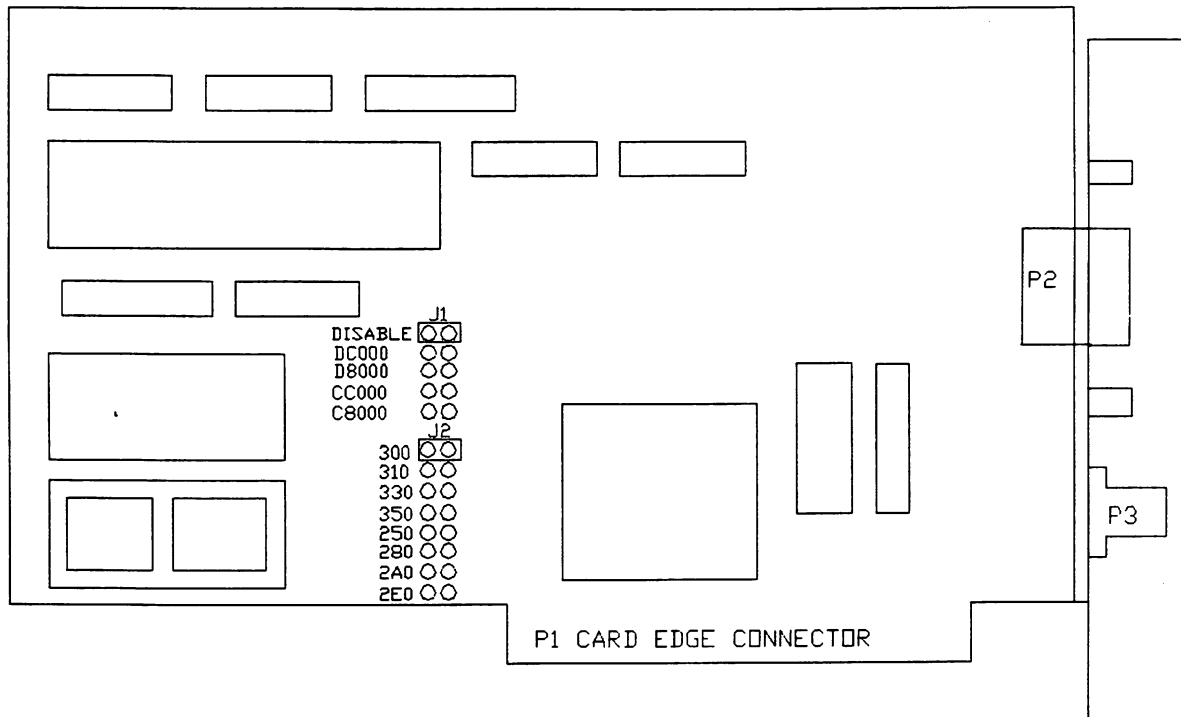


Figure 21Ø. ETHERLINK II Interface Board

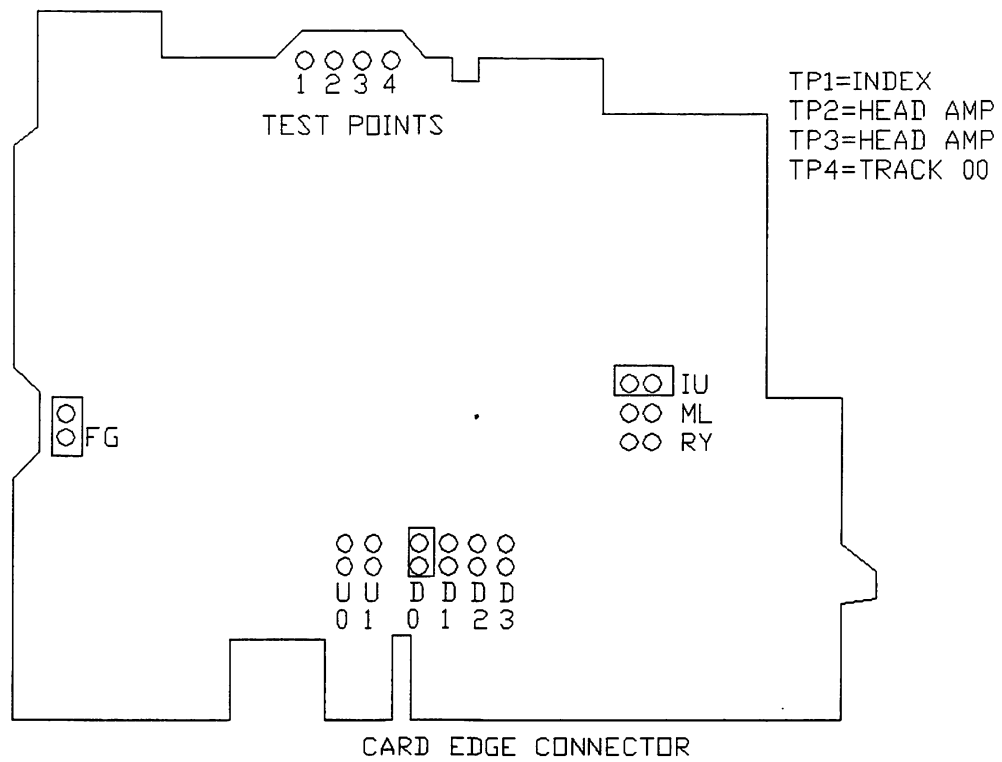


Figure 211. Teac 5 1/4" Floppy Drive FD55BR-121

EXTERNAL SCSI CONNECTOR

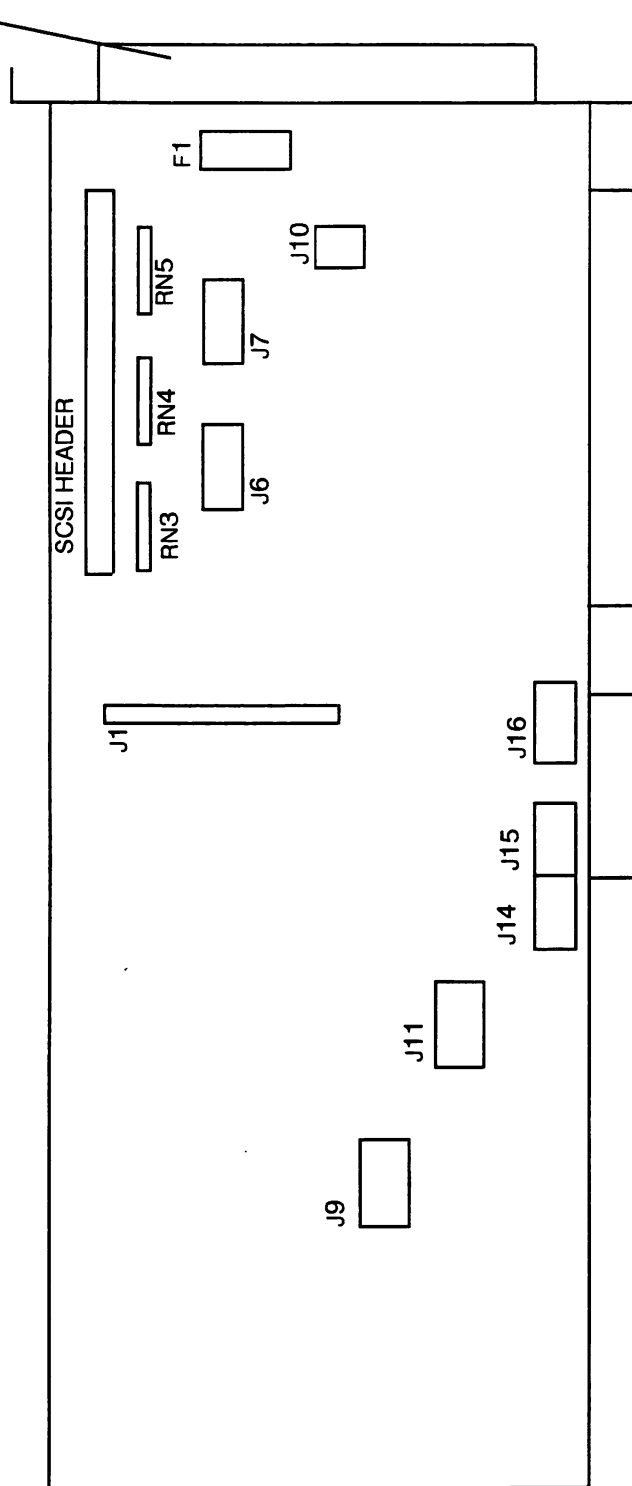


Figure 212. 16 Bit SCSI Hard Drive Adapter Board 25-4161B

BOTTOM VIEW

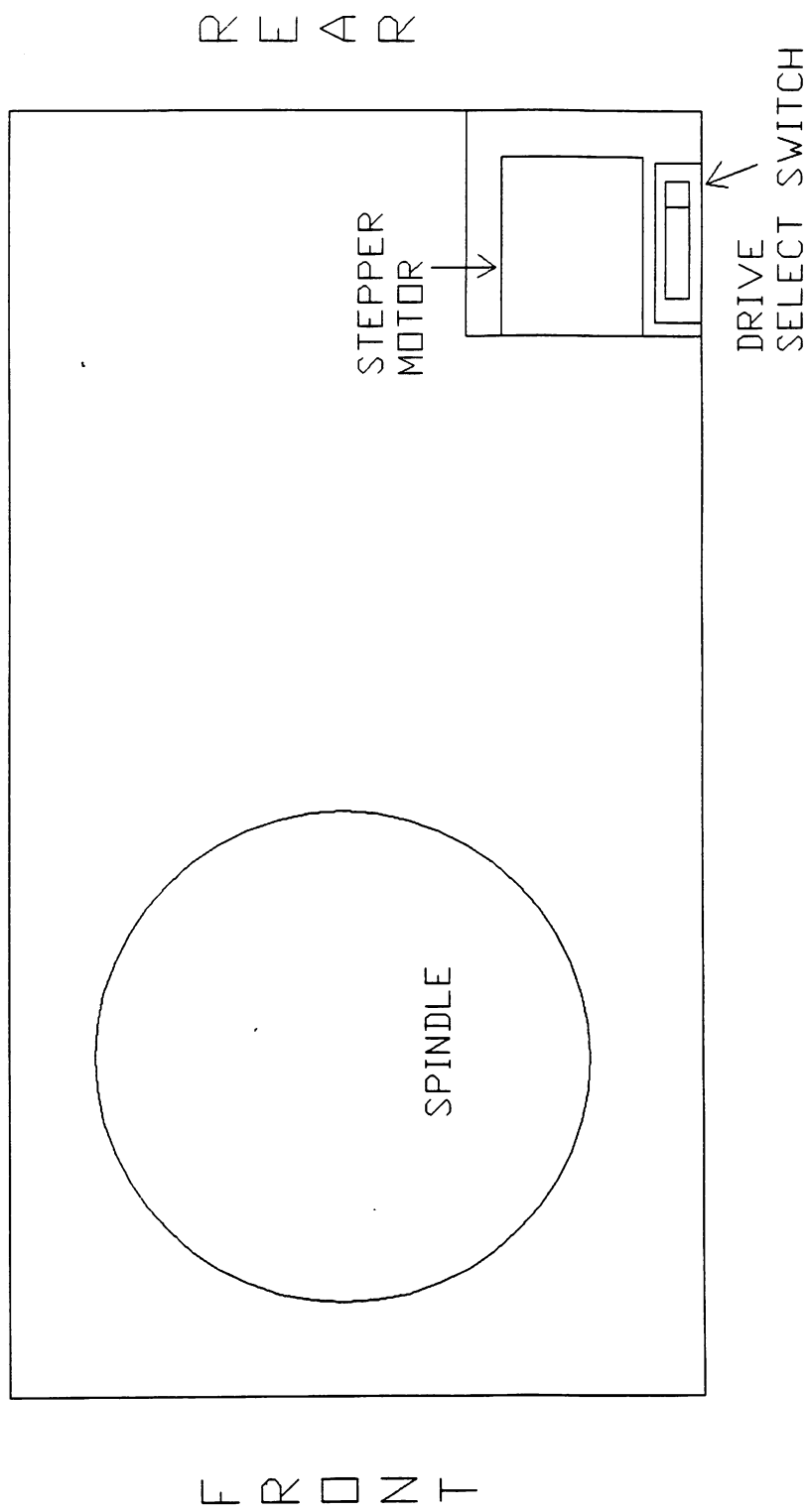


Figure 213. Citizen OPBD-12A 3 1/2" Floppy Drive 720K

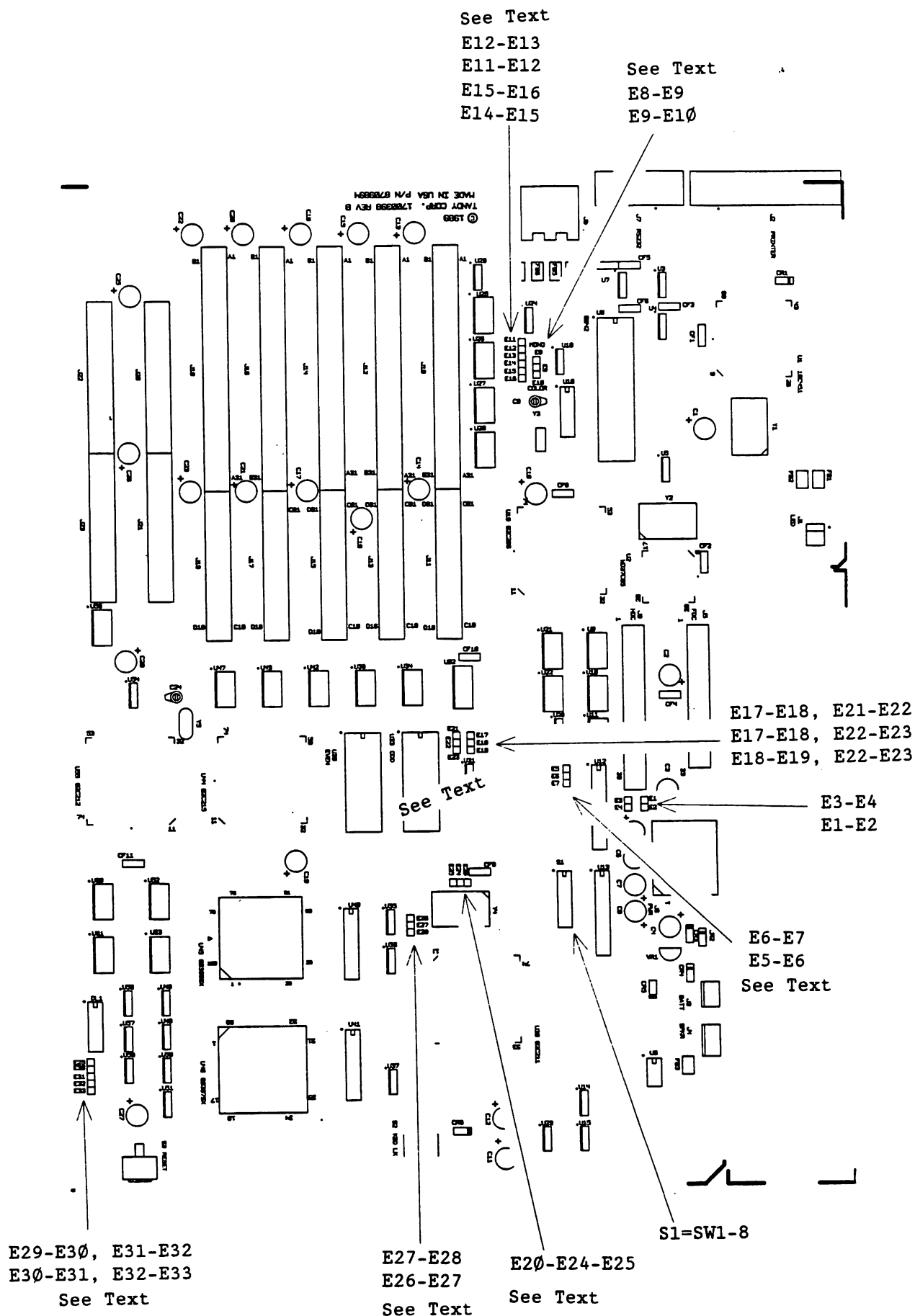


Figure 214. Tandy 4000SX Main Logic Board

TOP VIEW

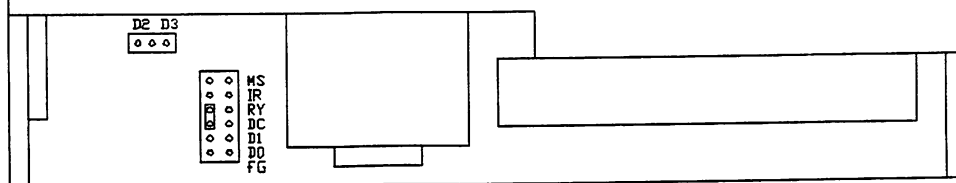


Figure 215. Teac FD235F-105U 3 1/2" 720K Floppy Drive

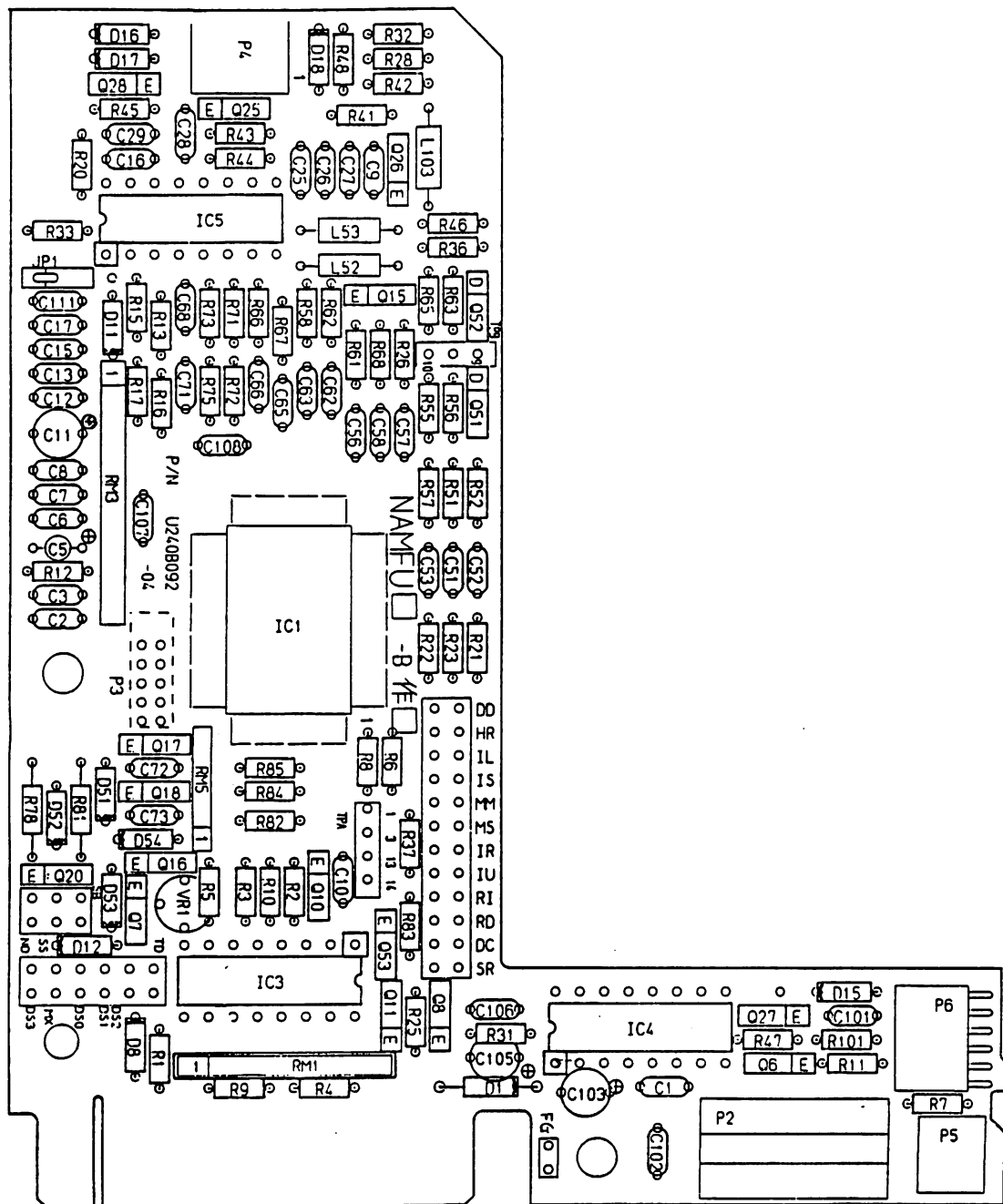


Figure 216. Mitsubishi MF-504C-347 5 1/4" 1.2 Meg Floppy Drive

Solder Side

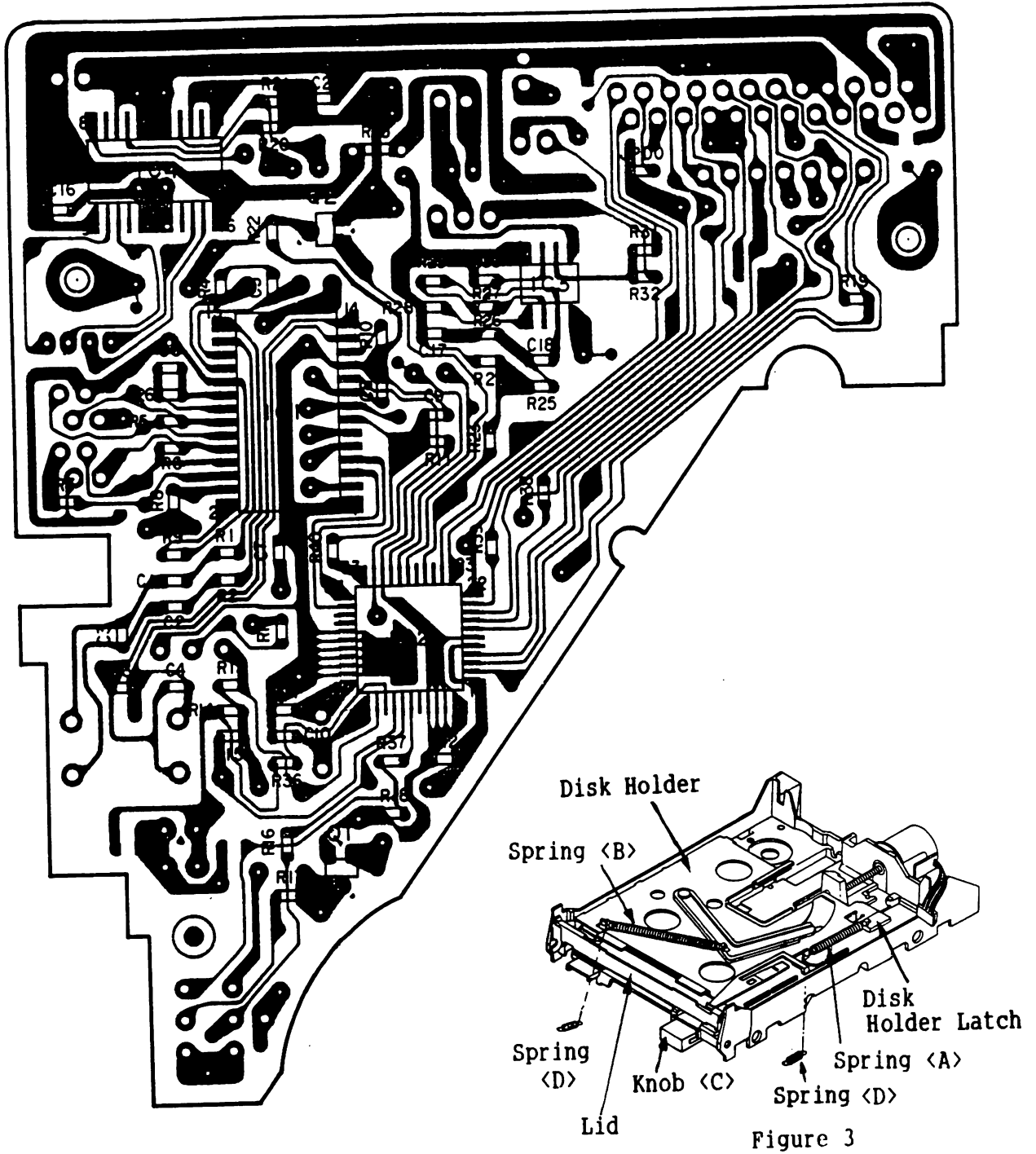


Figure 217. EME-213AMC 3 1/2" 720K Floppy Drive

TOP VIEW

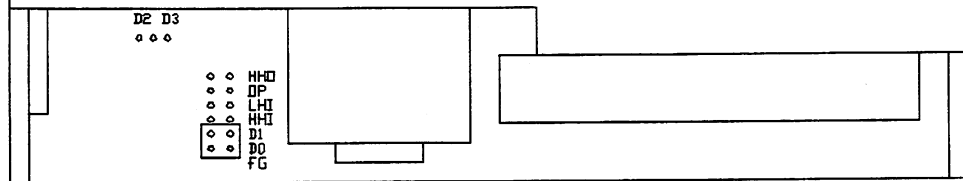
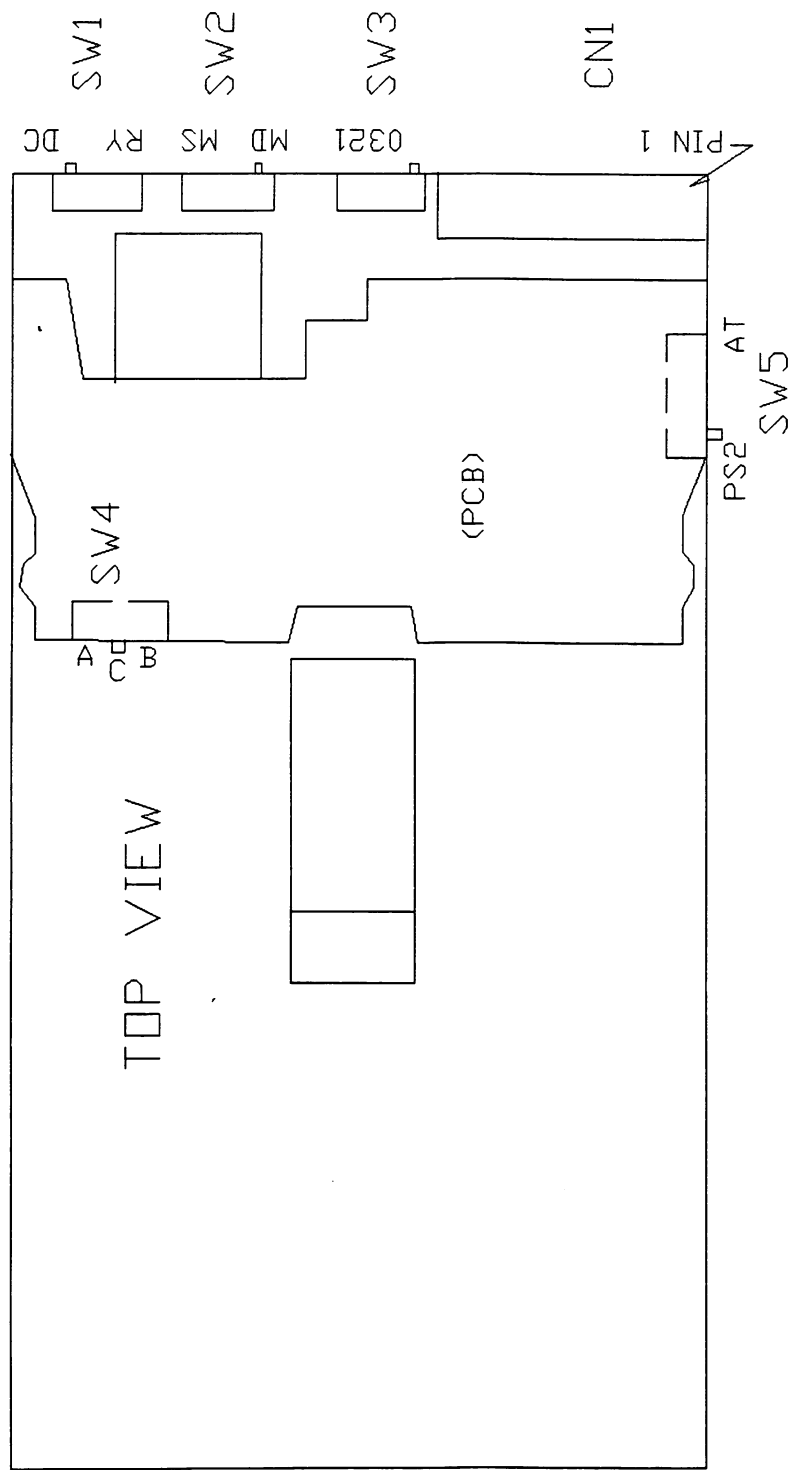


Figure 218. Teac FD235F-136U 3 1/2" 720K Floppy Drive



NOTE: SW4 and SW5 are not visible. PCB must be removed.

Figure 219. Panasonic JU-257A213P 1.44 MEG Floppy Drive for Tandy 2800HD

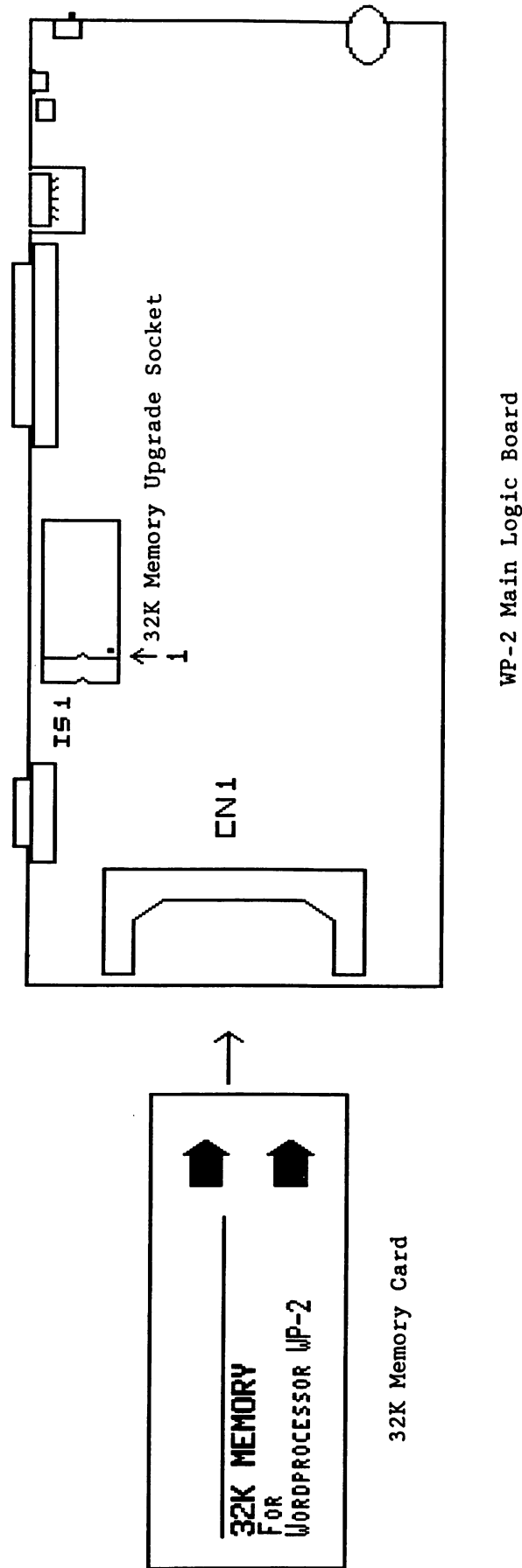


Figure 220. WP-2 Main Logic Board
 32K Memory Card Upgrade
 32K Memory IC Upgrade



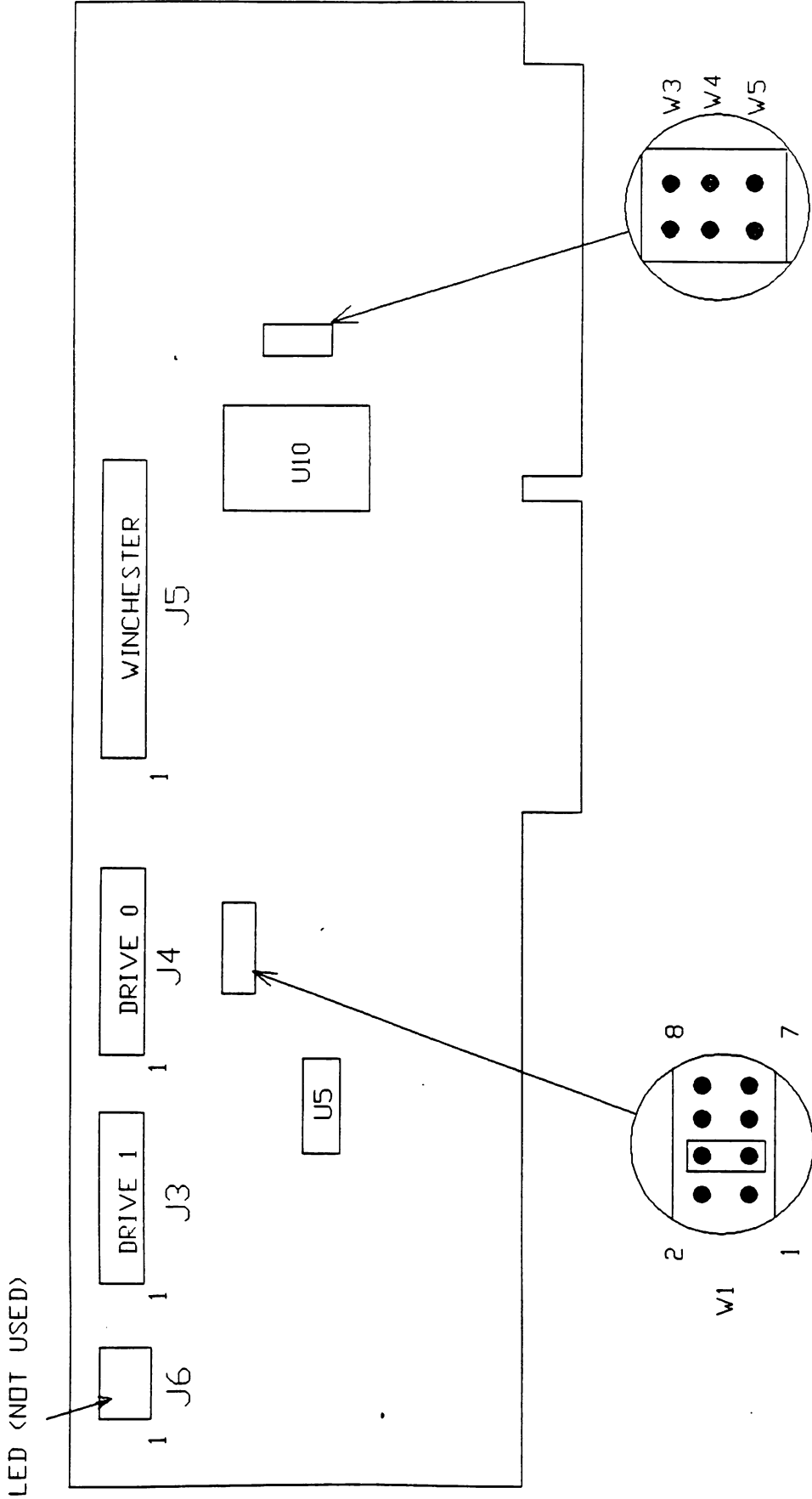


Figure 222. Western Digital WD1003V-MM1 16-bit Hard Drive Controller

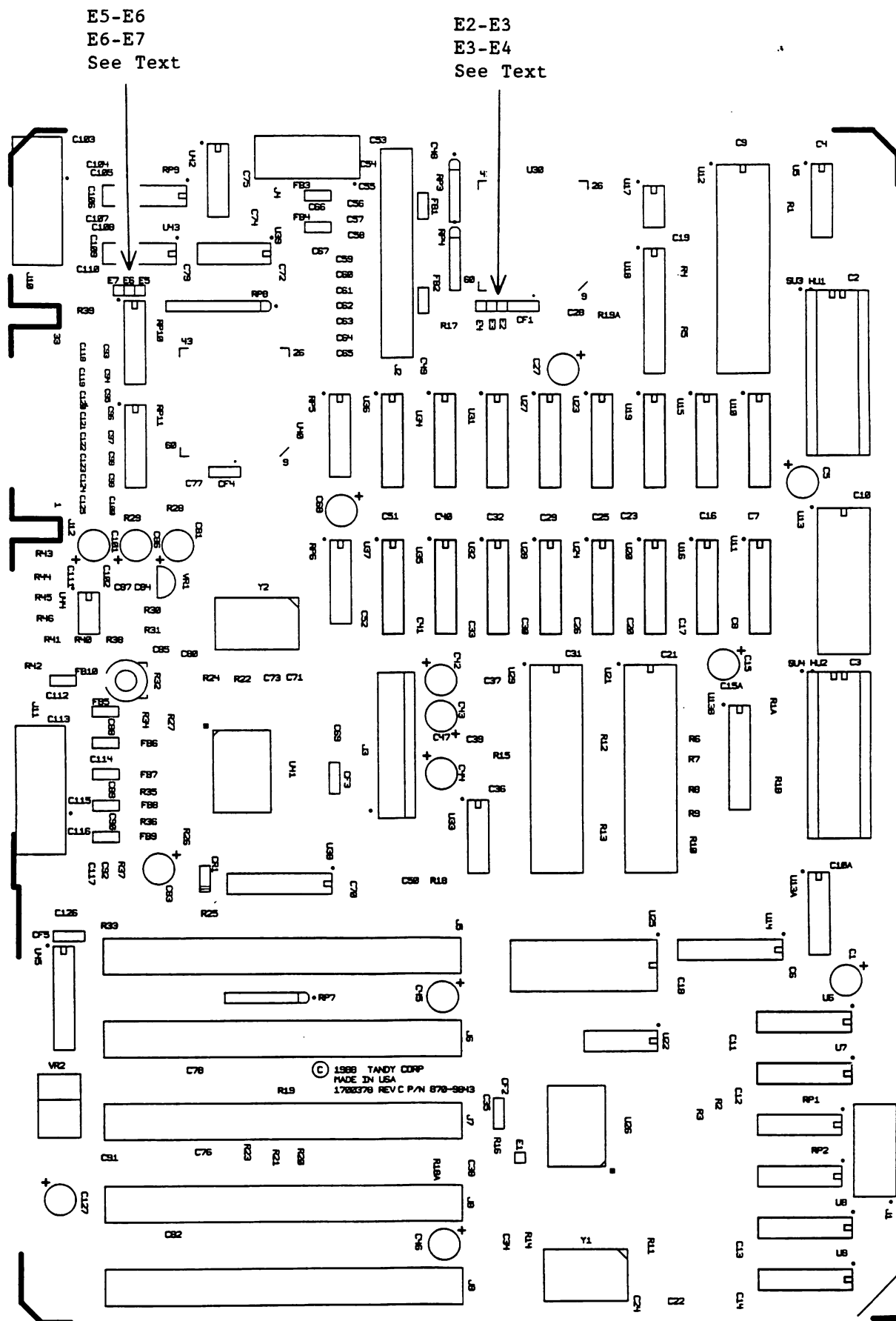


Figure 223. Tandy 1000SL/2 Revision C Main Logic Board

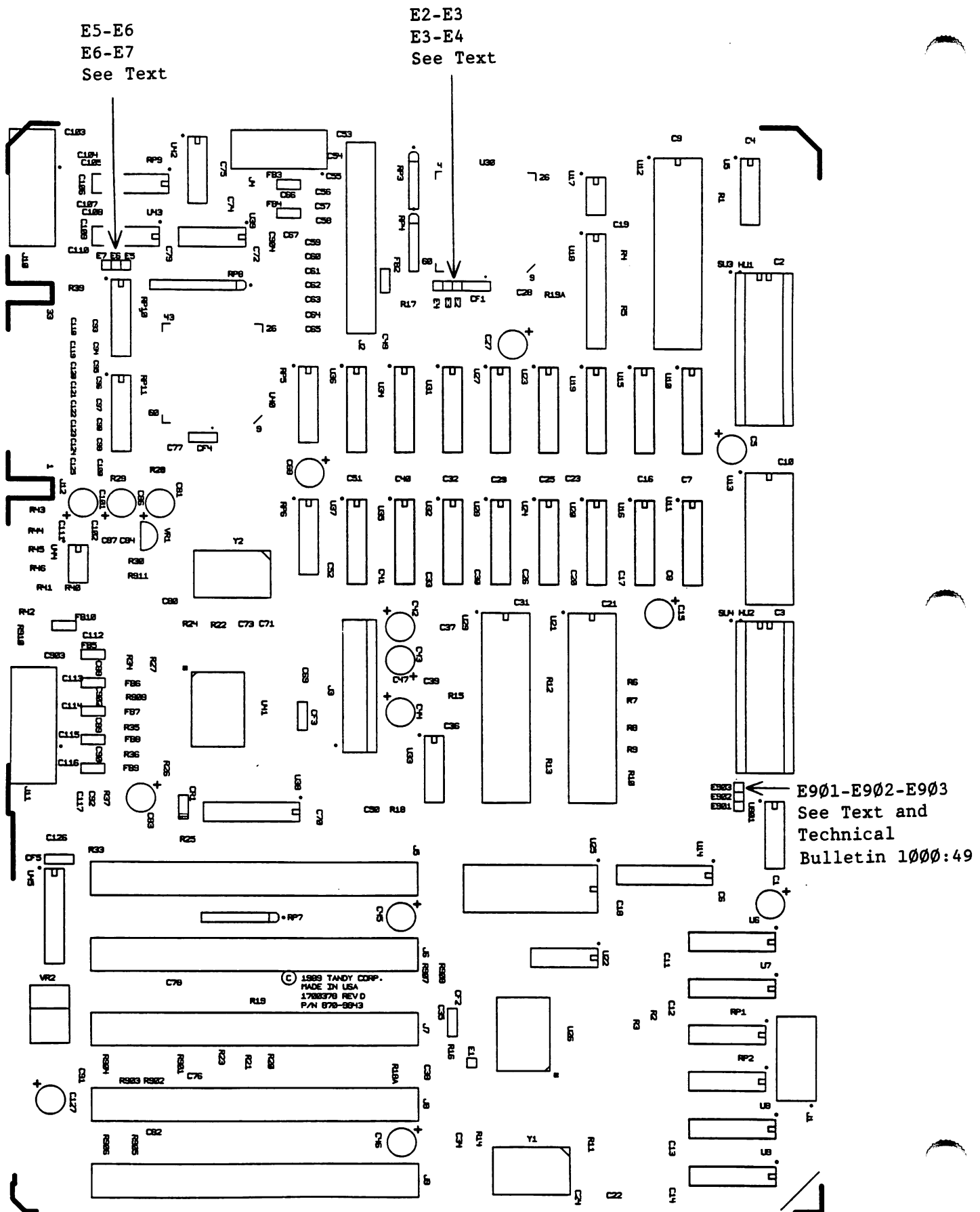
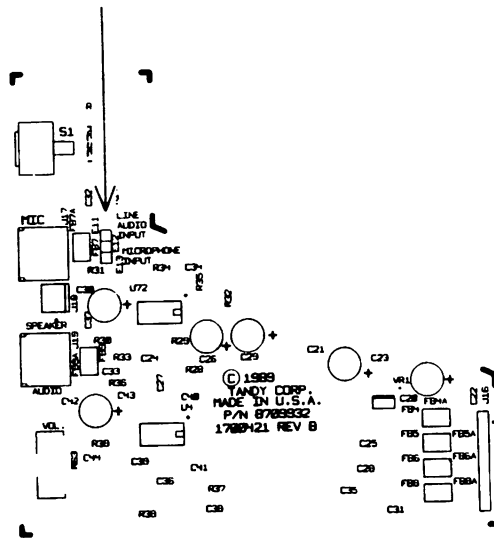


Figure 224. Tandy 1000SL/2 Revision D Main Logic Board

E12-E13-E14
See Text



Audio Interface Board

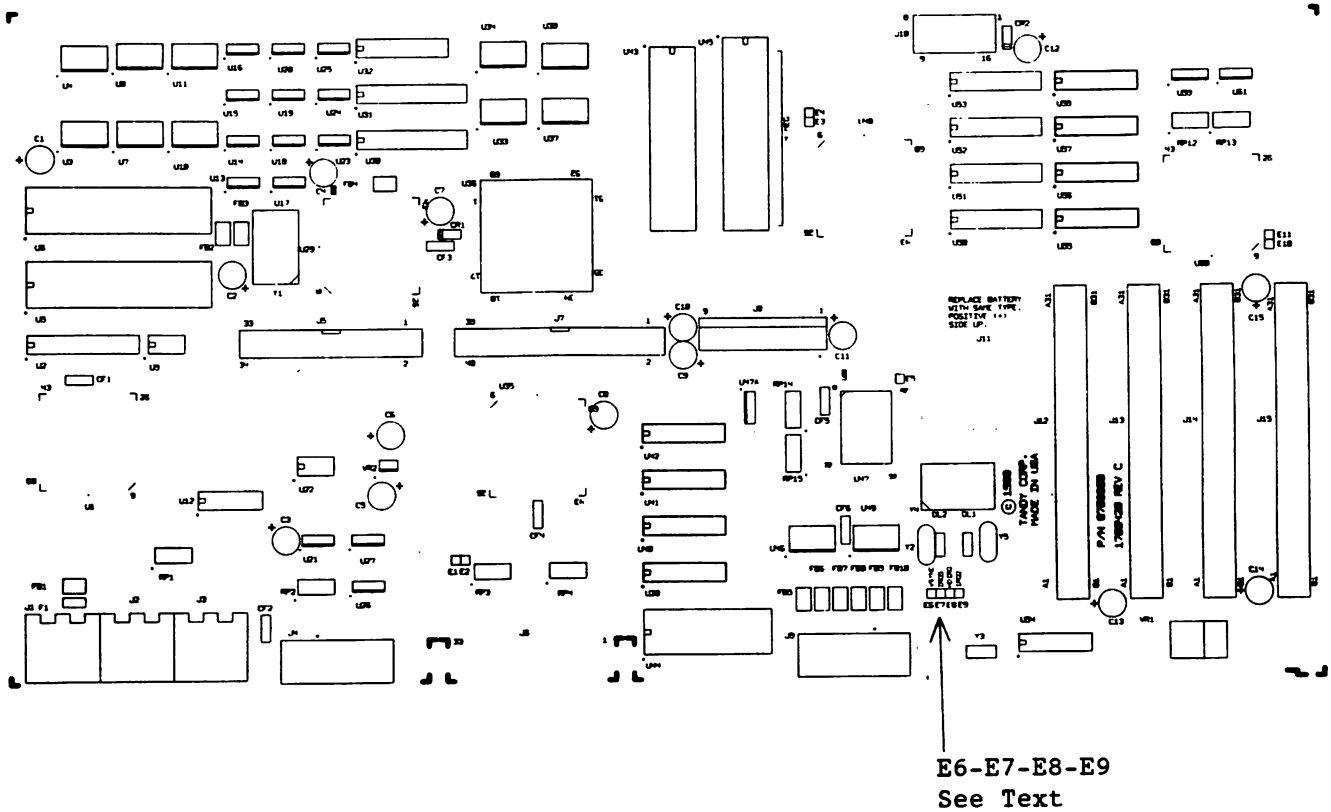


Figure 225. Tandy 1000TL/2 Main Logic Board

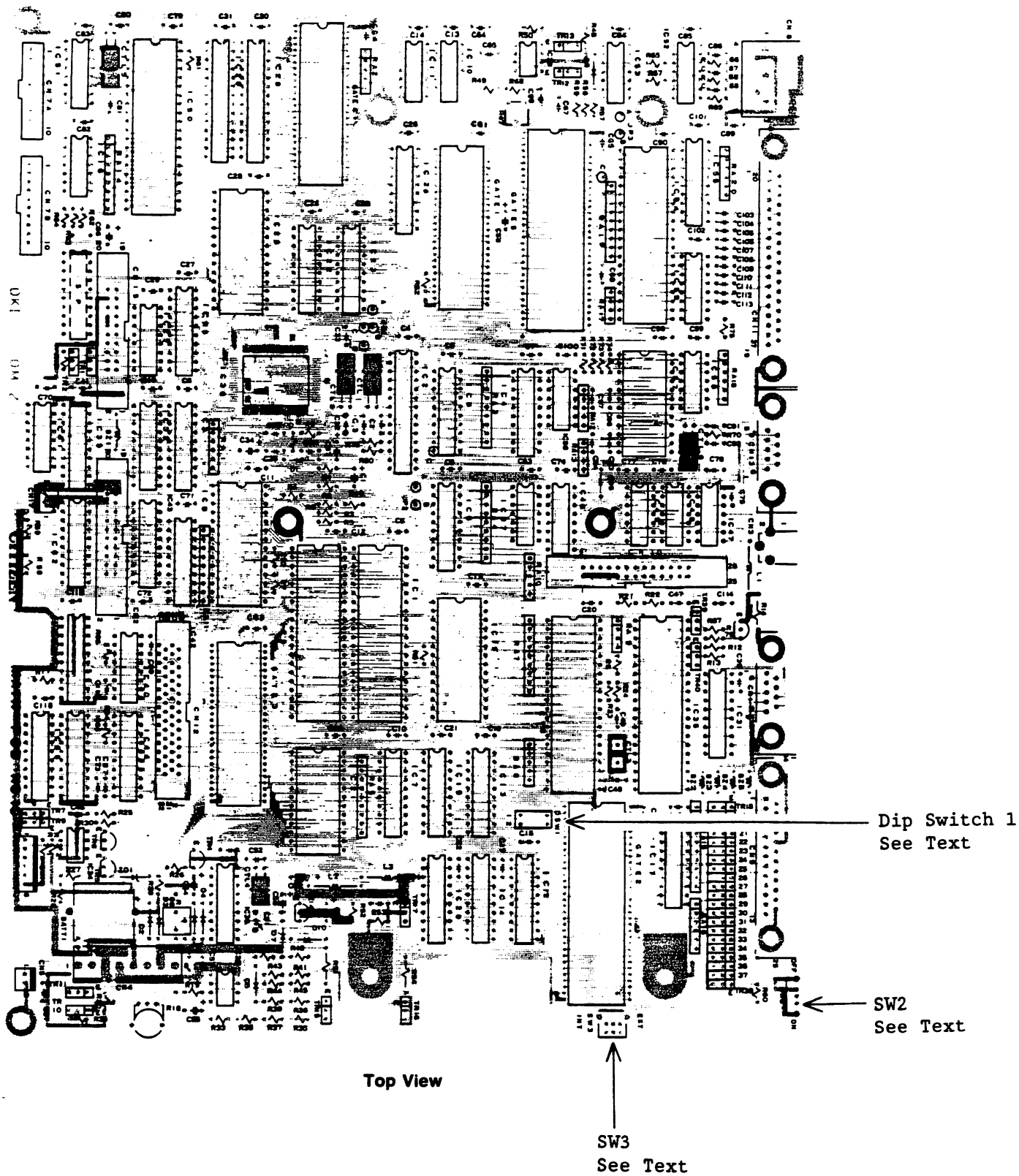


Figure 227. Tandy 1400LT "B" Version Main Logic Board

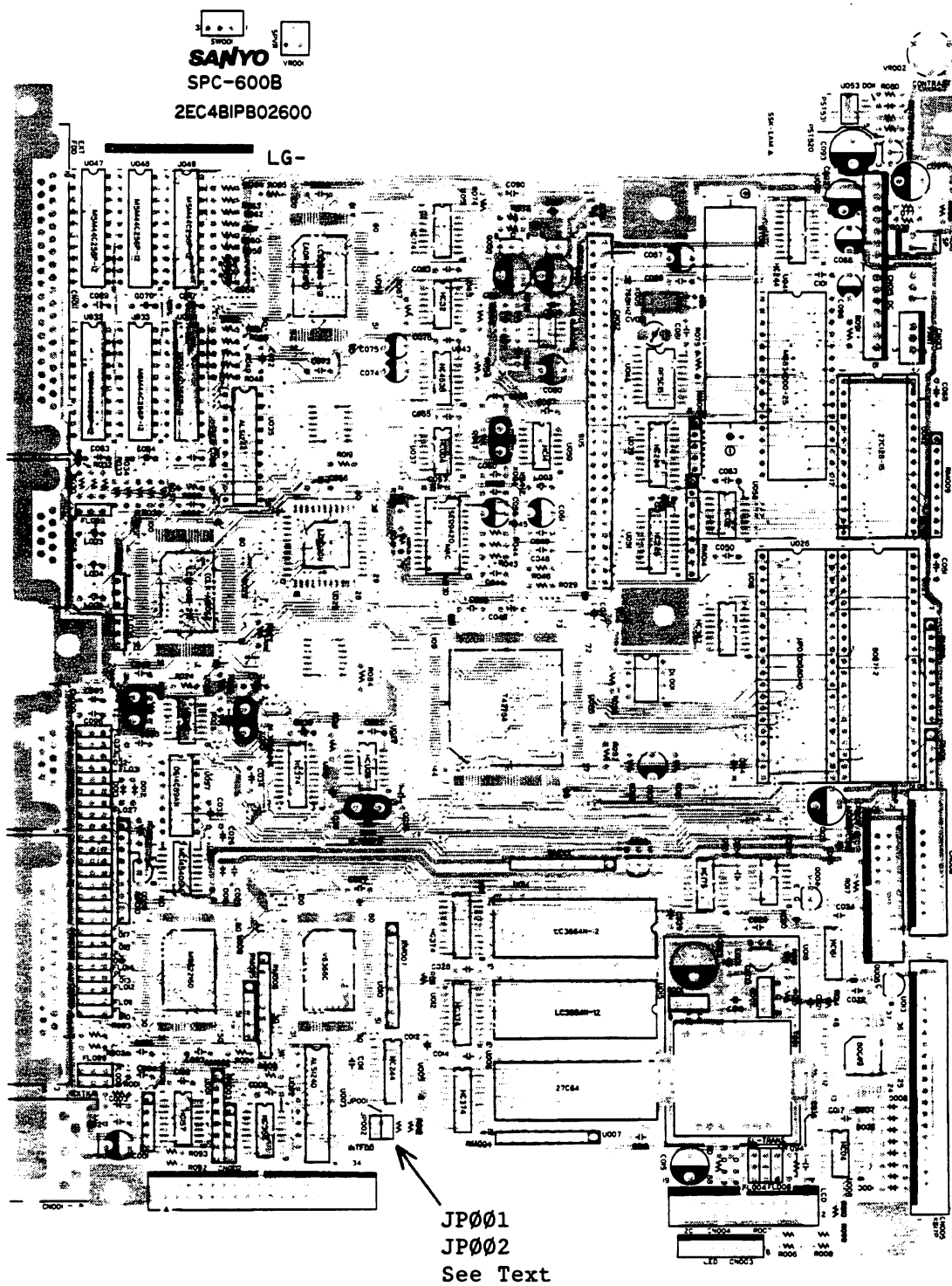


Figure 228. Tandy 1400FD/HD Main Logic Board

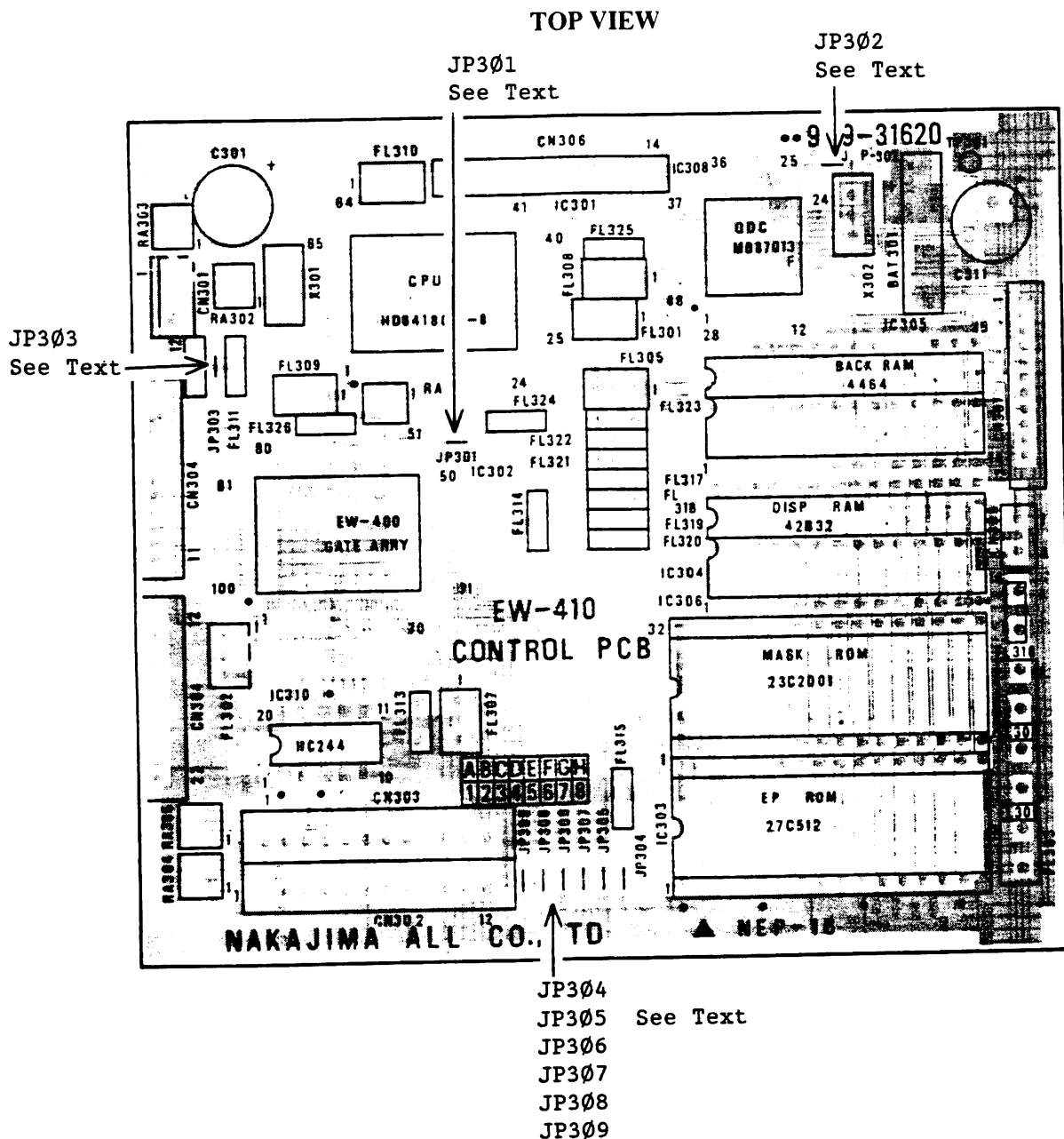


Figure 229. WP-100 Main Logic Board

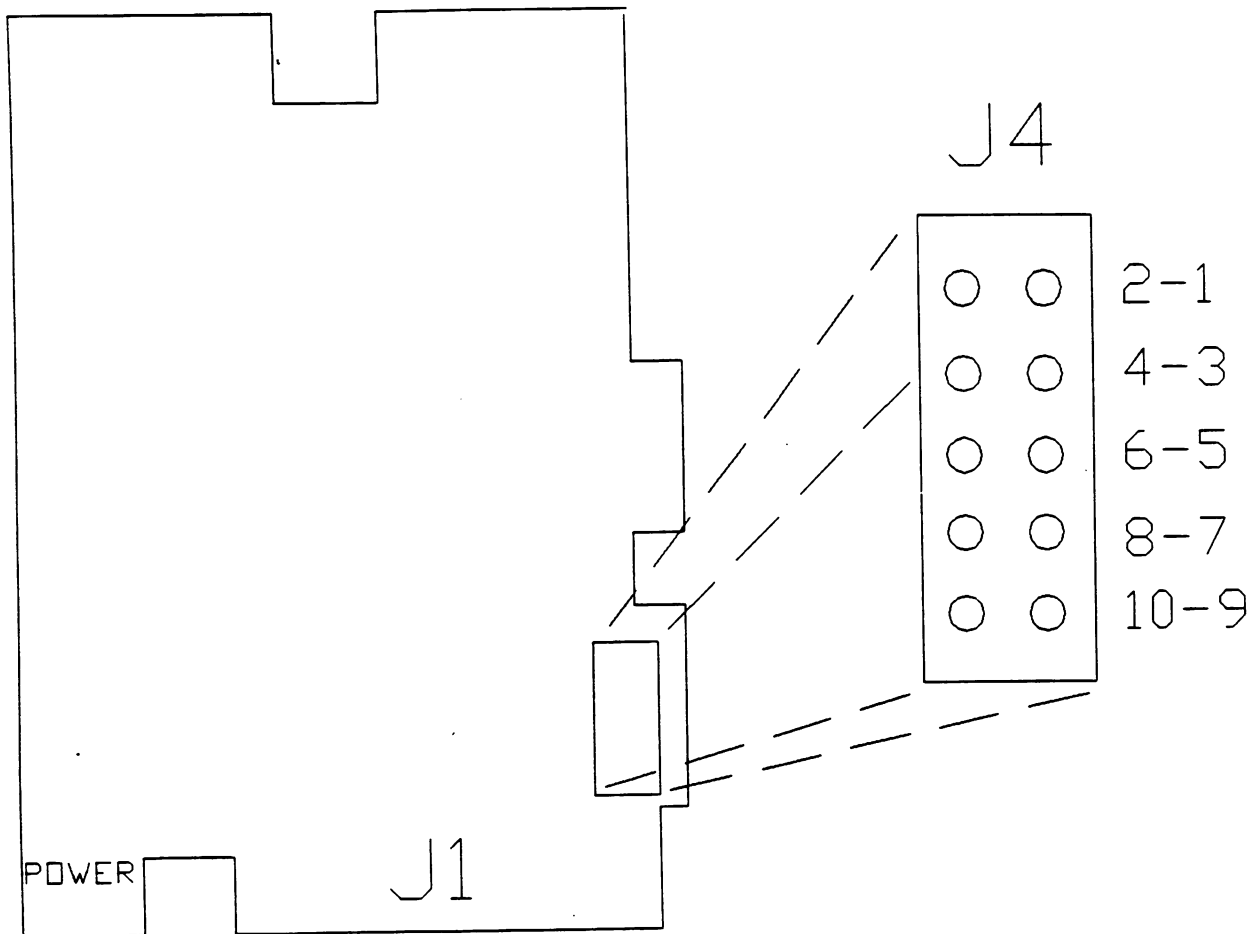


Figure 230. 40 MEG Miniscribe 8051A Smart Drive

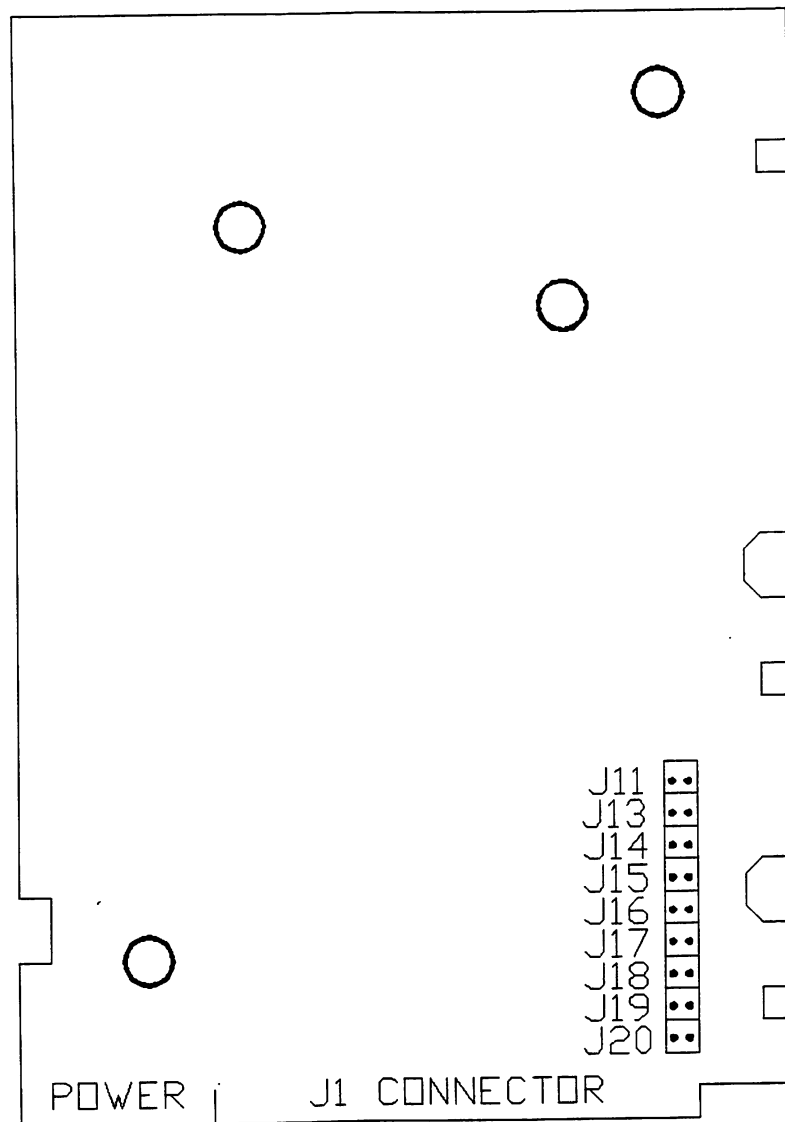


Figure 231. 80 MEG Miniscribe 7080A Smart Drive

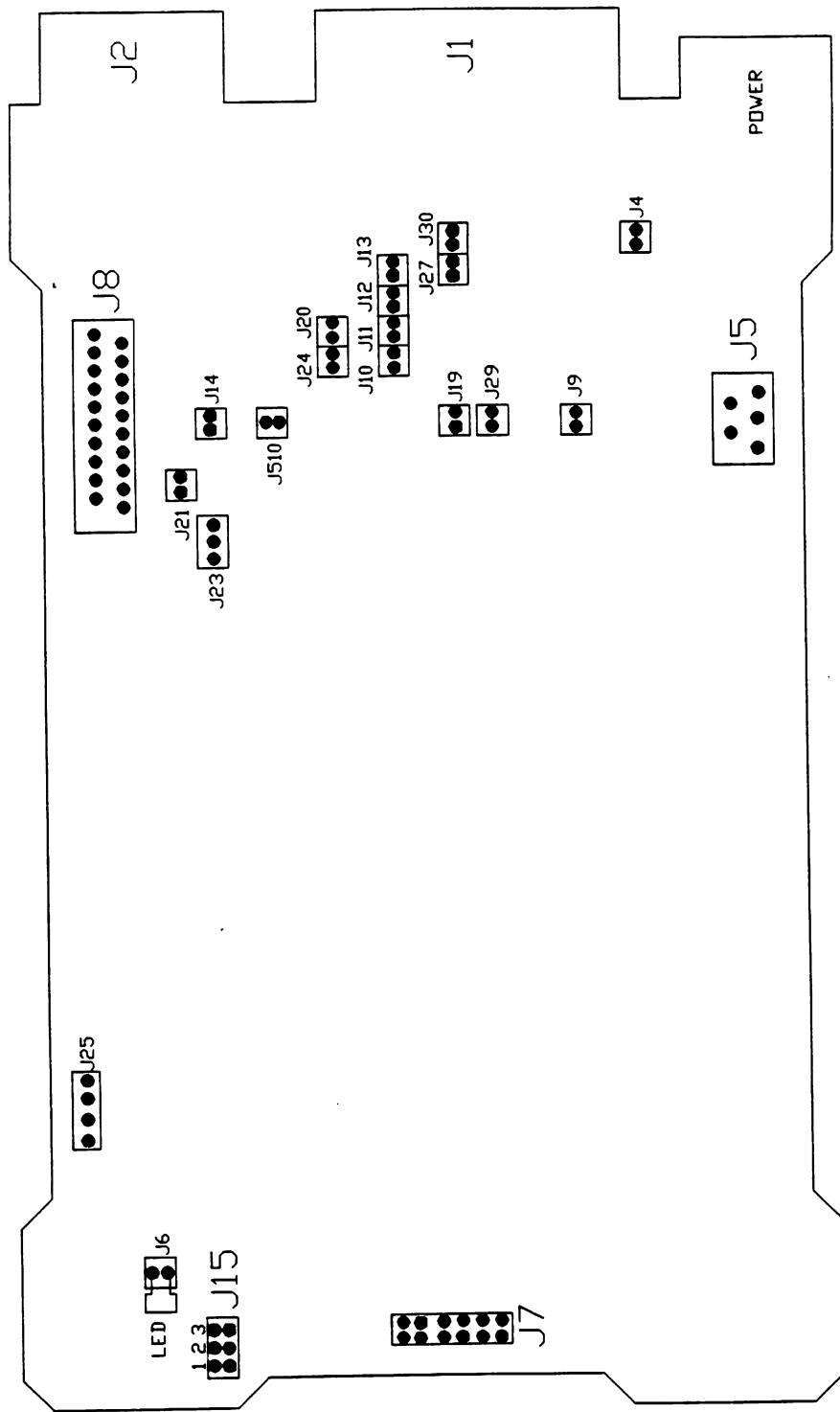


Figure 232. 150 MEG Half Height ESDI Hard Drive

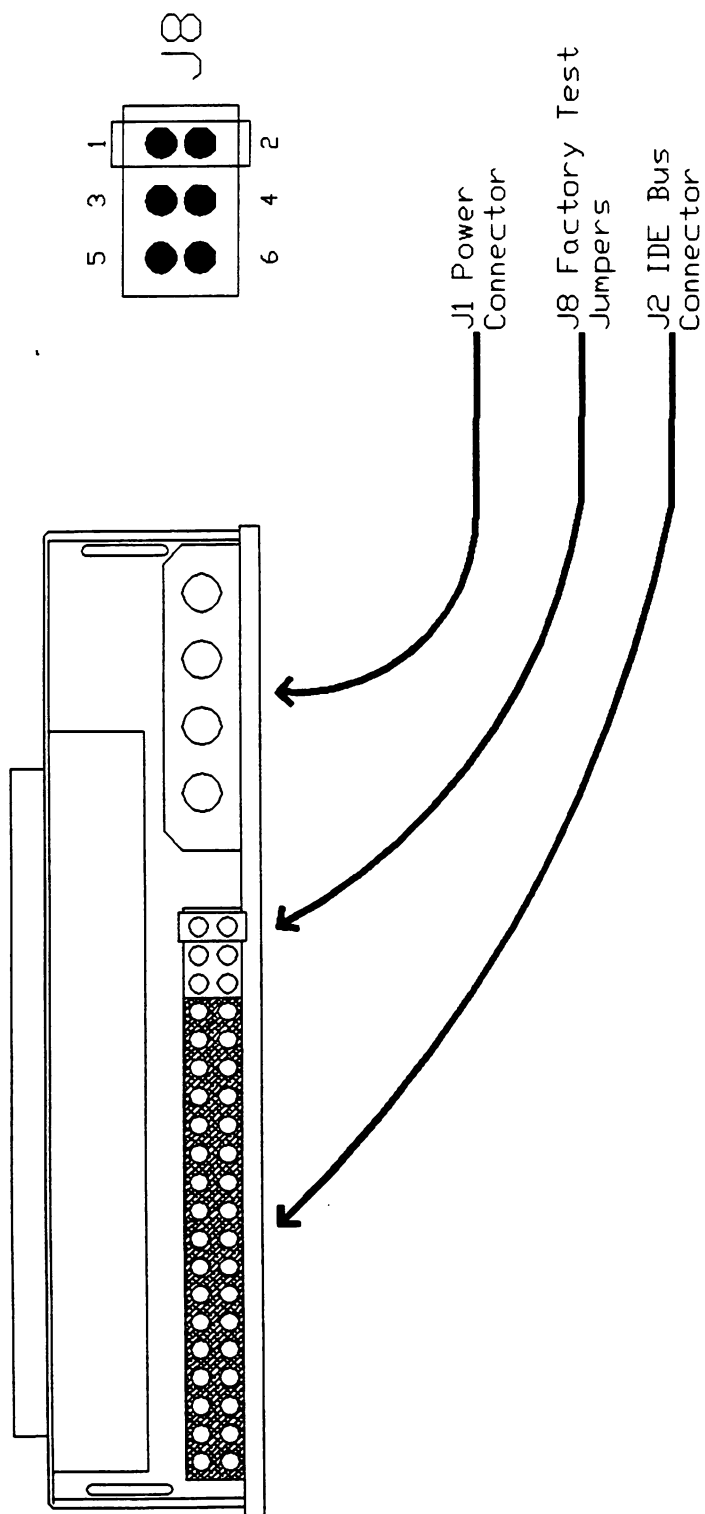


Figure 233. 20 MEG IDE Western Digital 93028 Smart Drive
 40 MEG IDE Western Digital 93044 Smart Drive

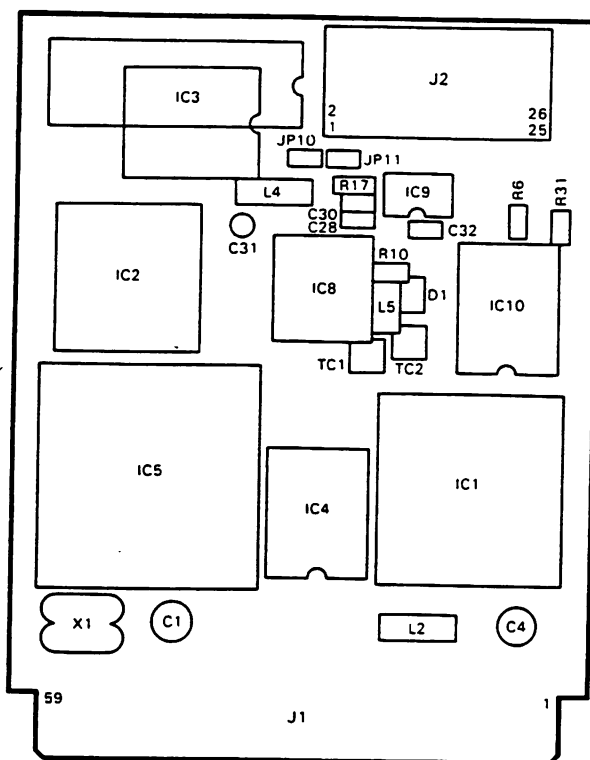
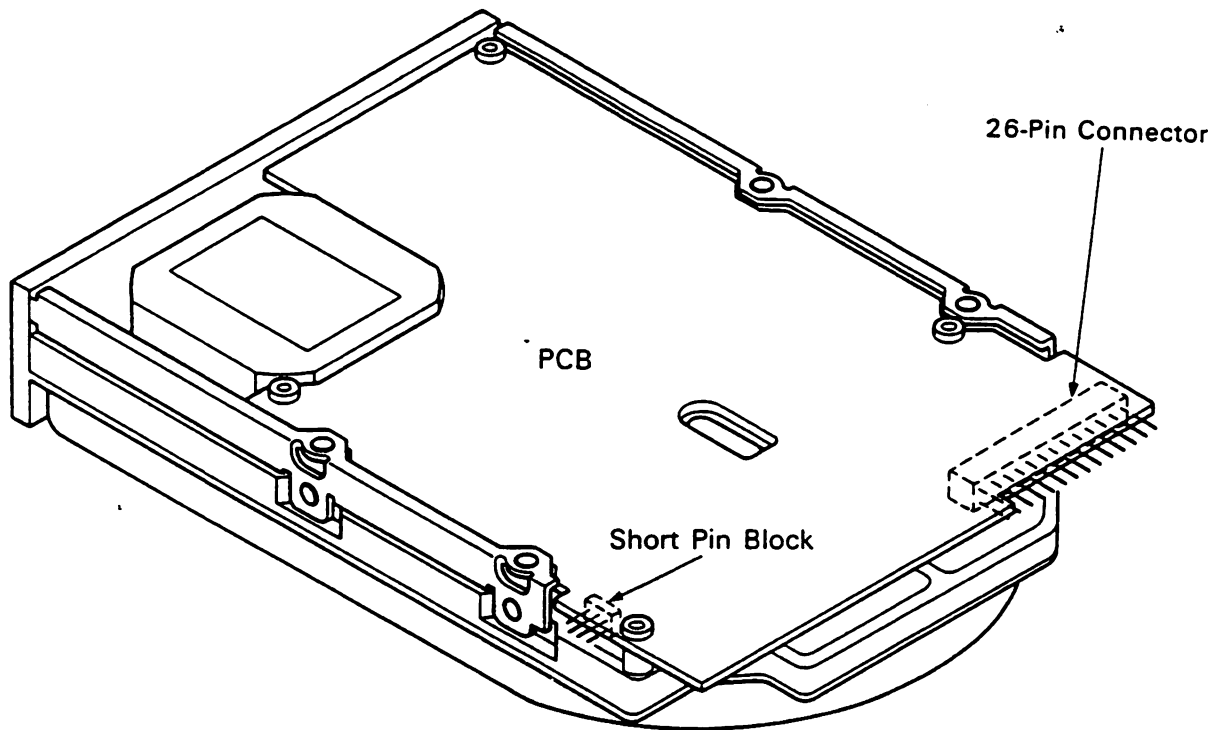


Figure 234. Hard Drive and Controller for Tandy 1400FD/HD

Figure 235. Tandy 2500XL Main Logic Board

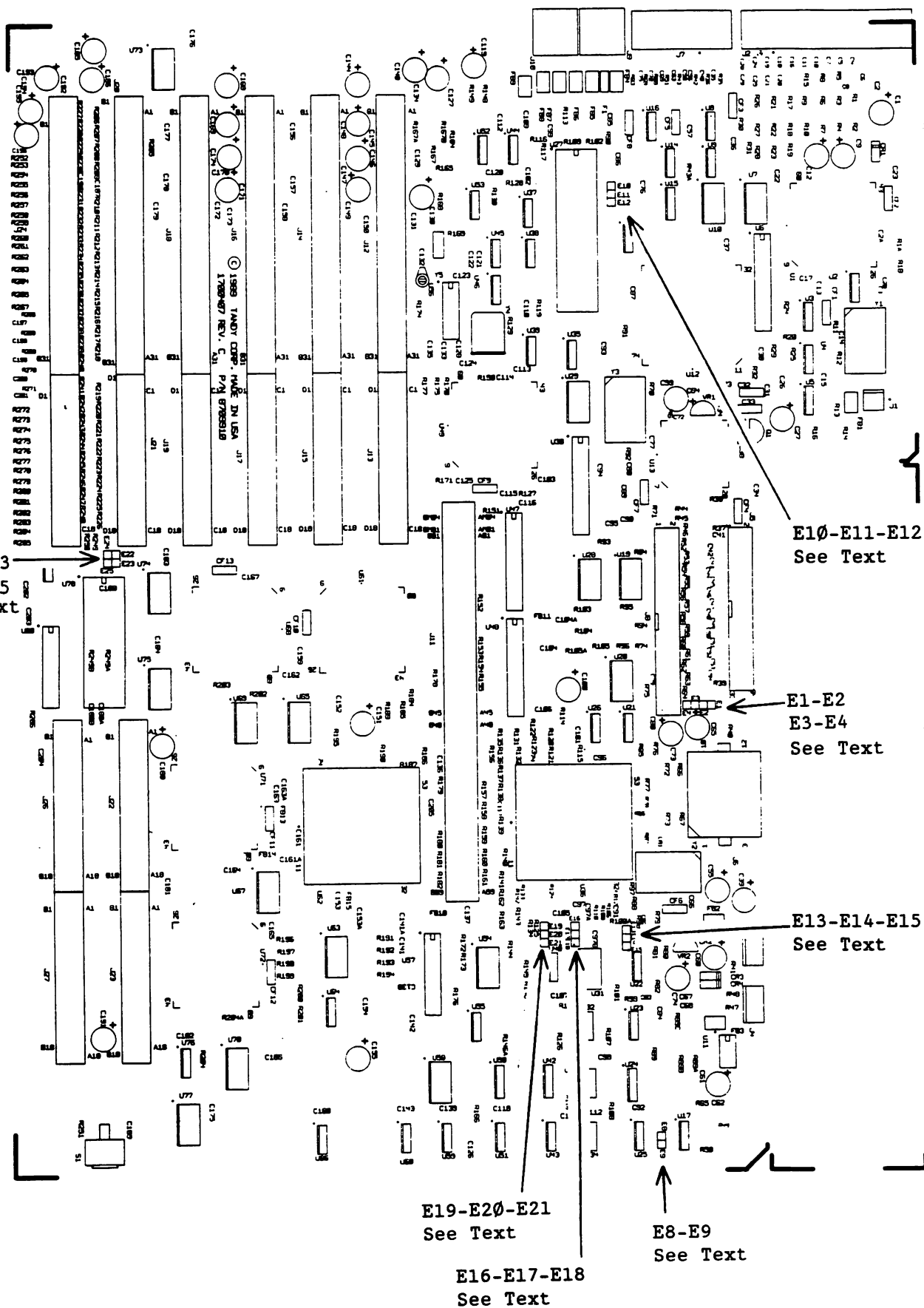


Figure 236. Tandy 4016DX/4020/25/33LX Main Logic Board

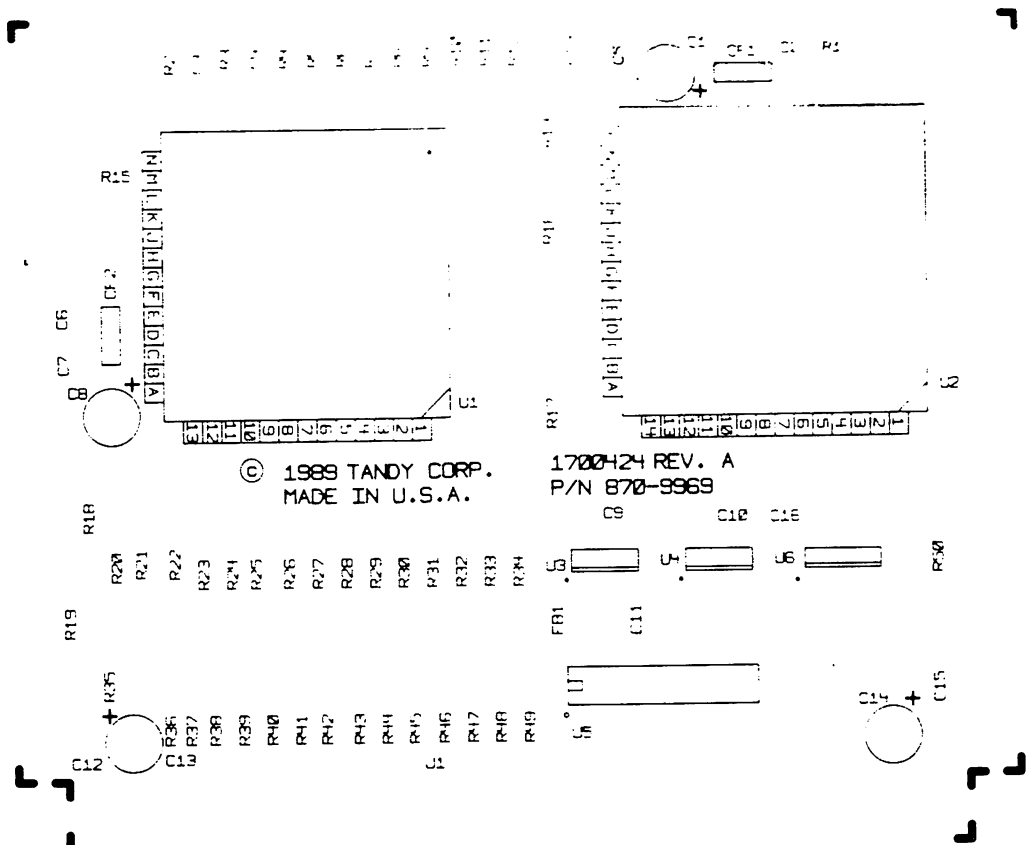


Figure 237. Tandy 4016DX CPU Board

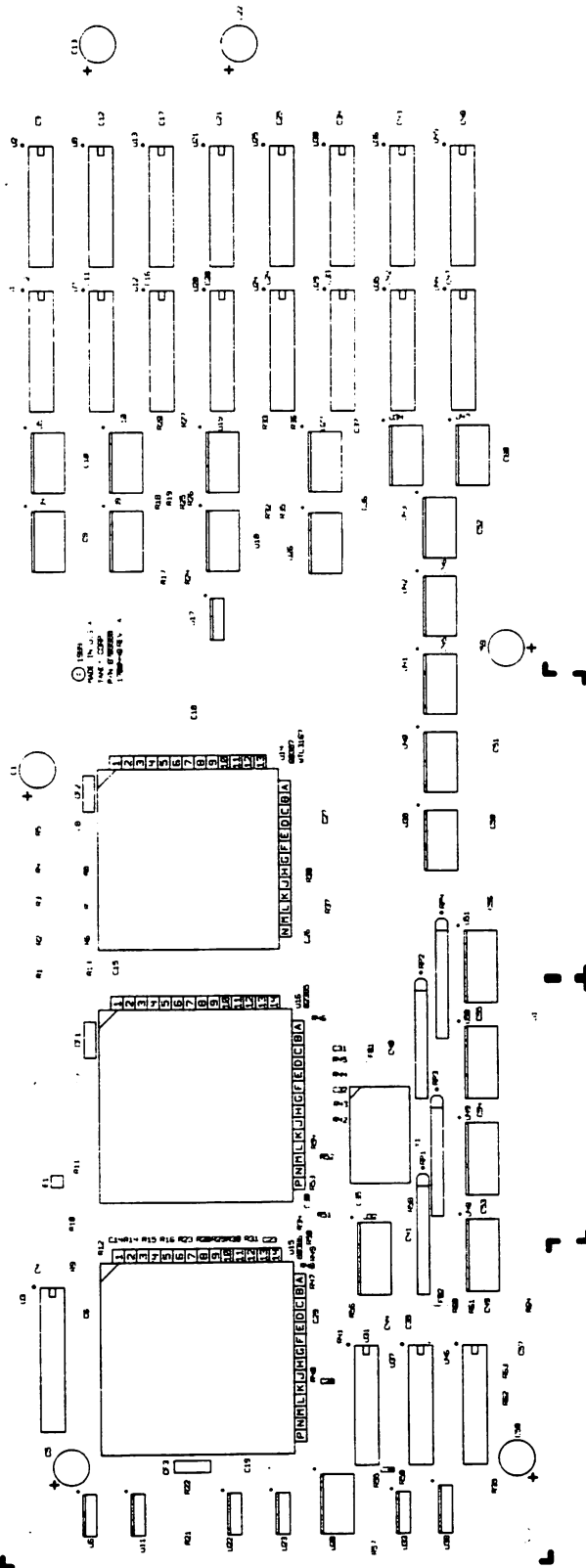


Figure 238. Tandy 4020LX CPU Board
 Tandy 4025LX CPU Board
 Tandy 4033LX CPU Board

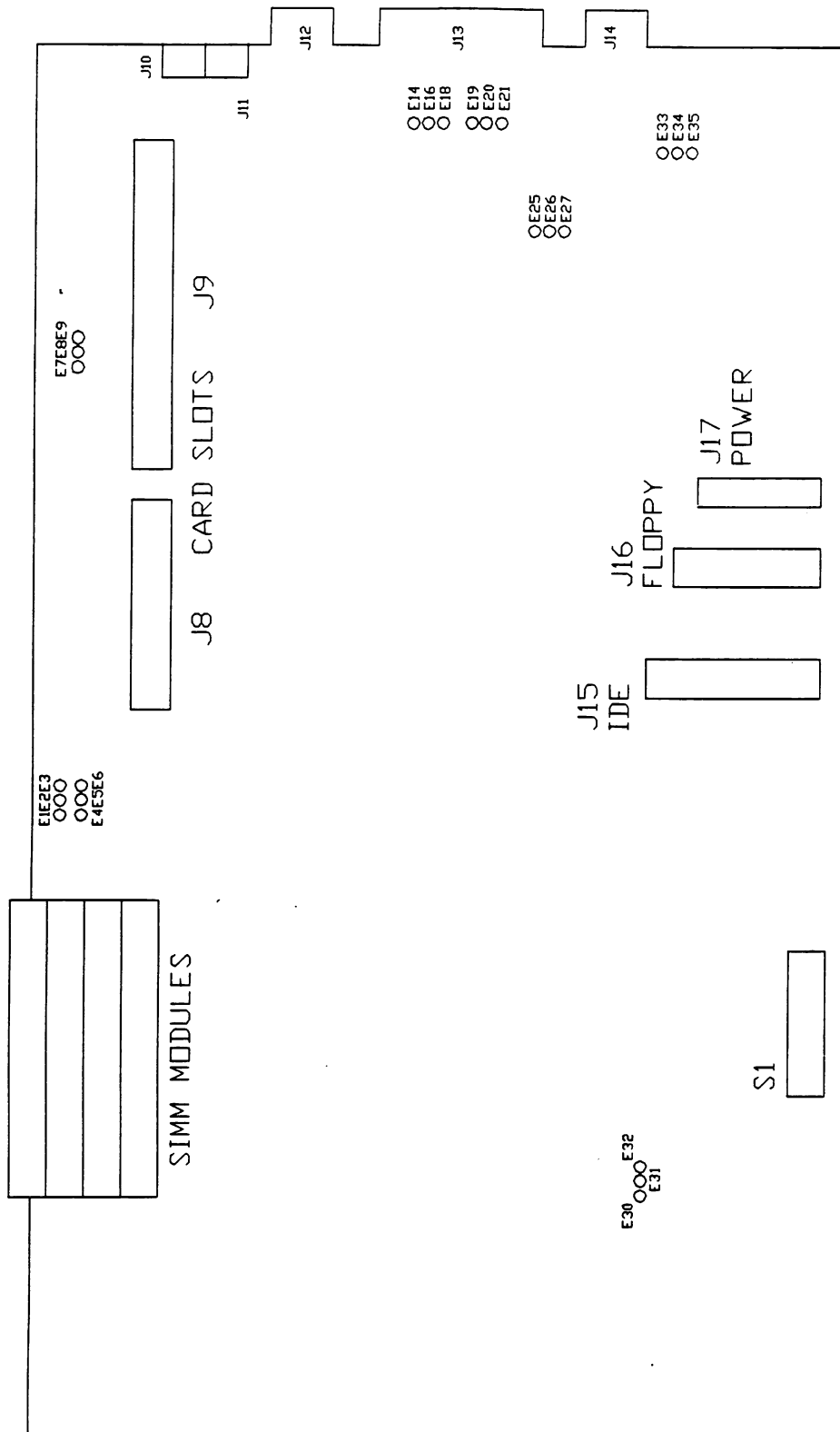


Figure 239. Main Logic Board for Tandy 4016SX

Bottom View

LED PCB



Thermistor PCB

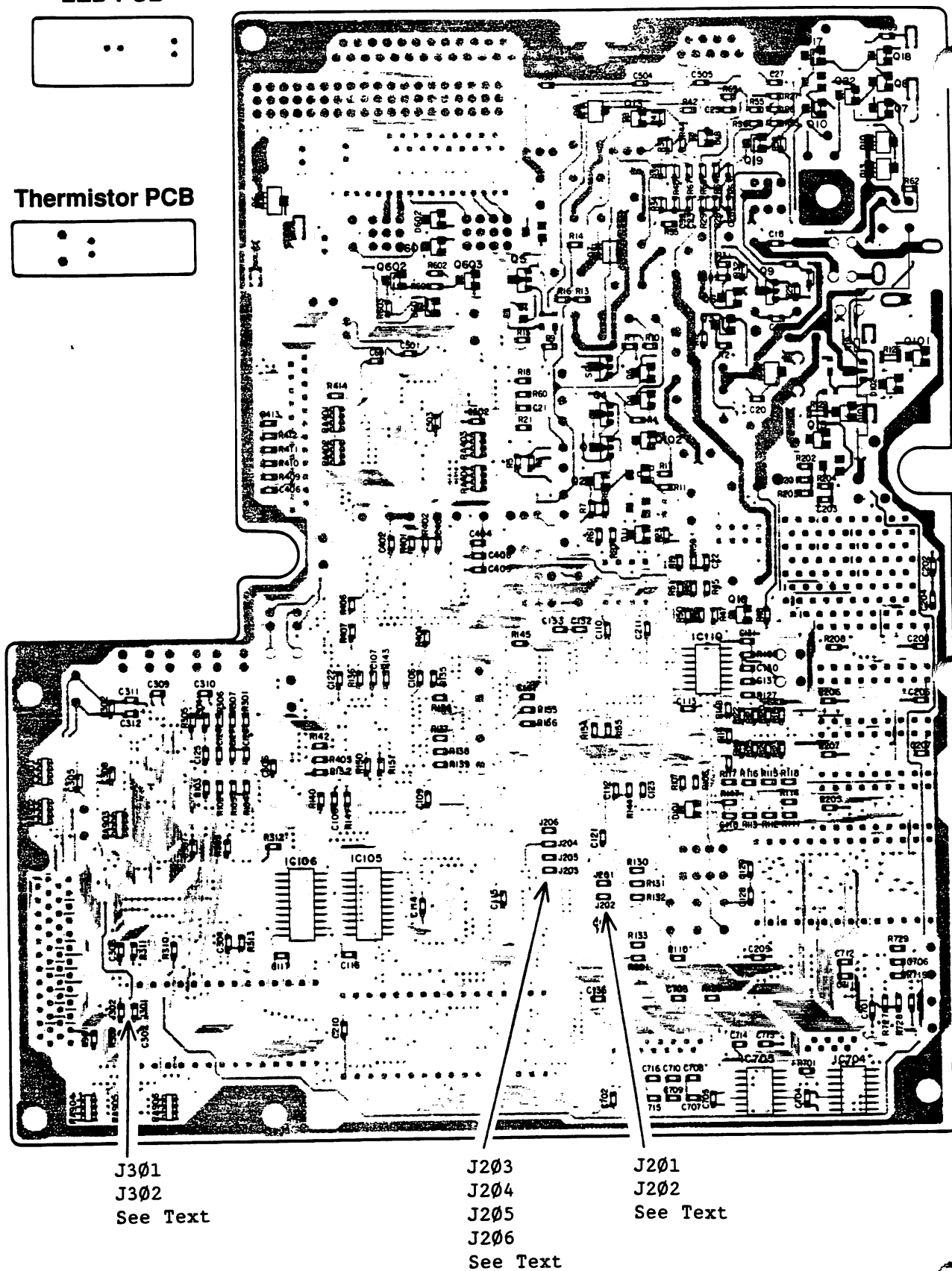
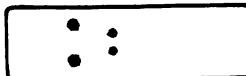
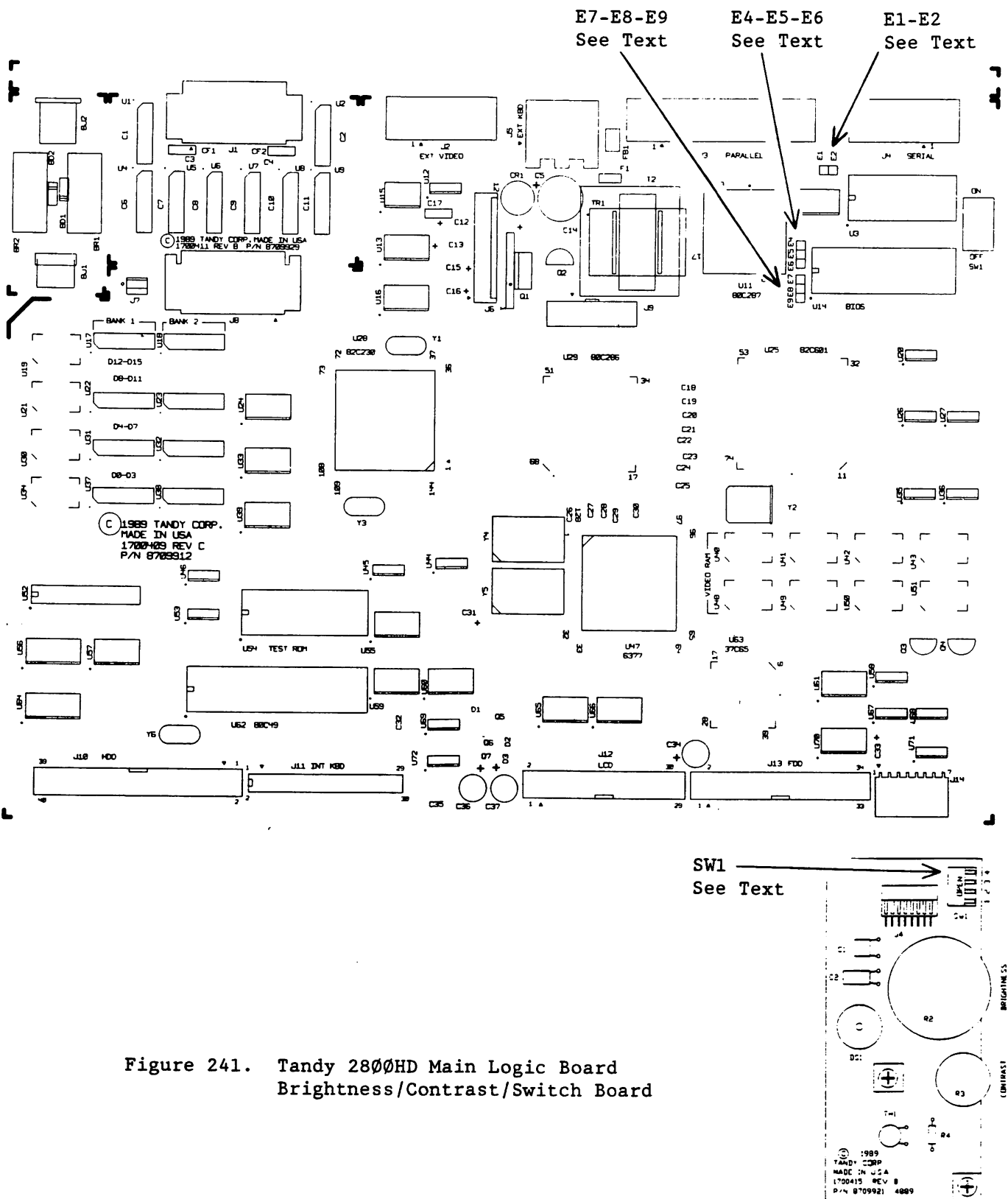


Figure 240. Tandy 1100FD Main Logic Board - Solder Side



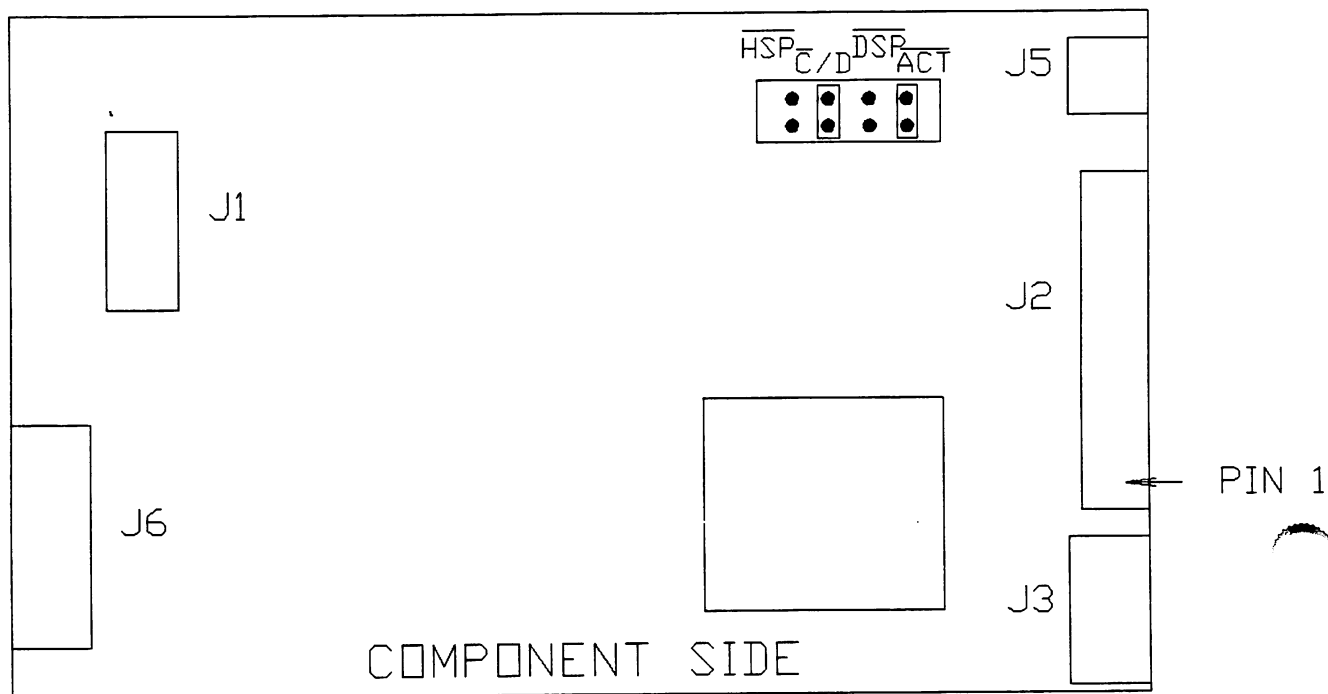
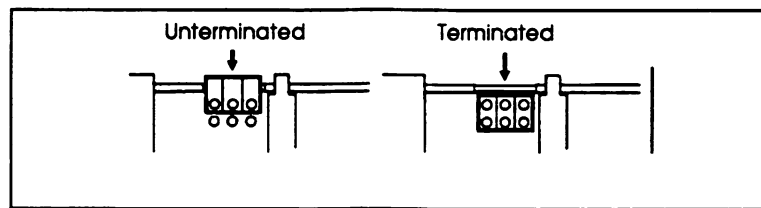
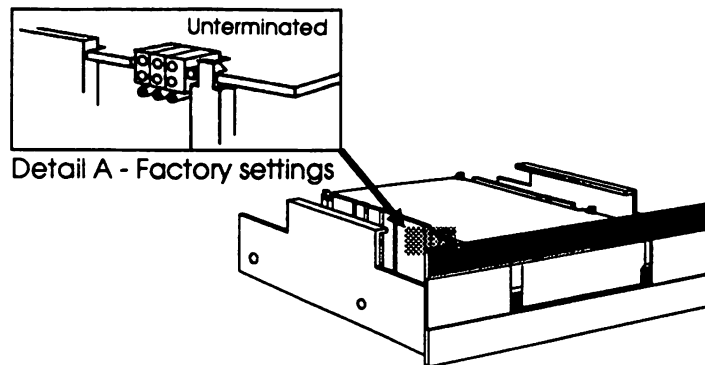
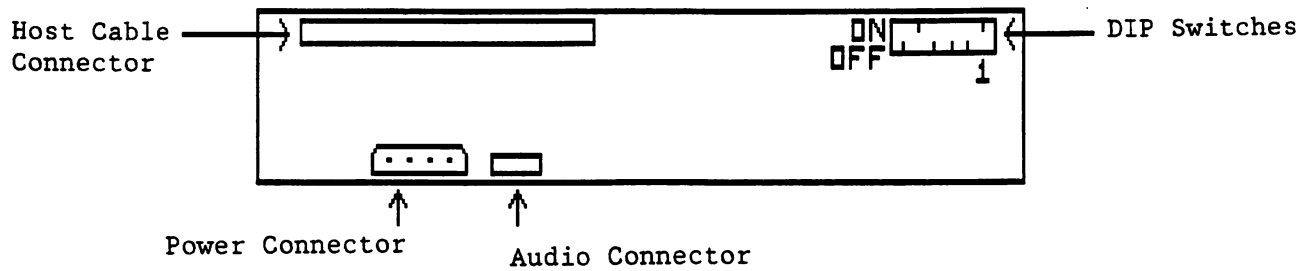


Figure 242. Conner CP-3044 40 MEG 1" Hard Drive
Conner CP-3024 20 MEG 1" Hard Drive



Detail B - Side view of tape drive showing jumper settings

Figure 243. 60 MEG 5 1/4" Internal Tape Drive



CD-ROM Drive Mechanism

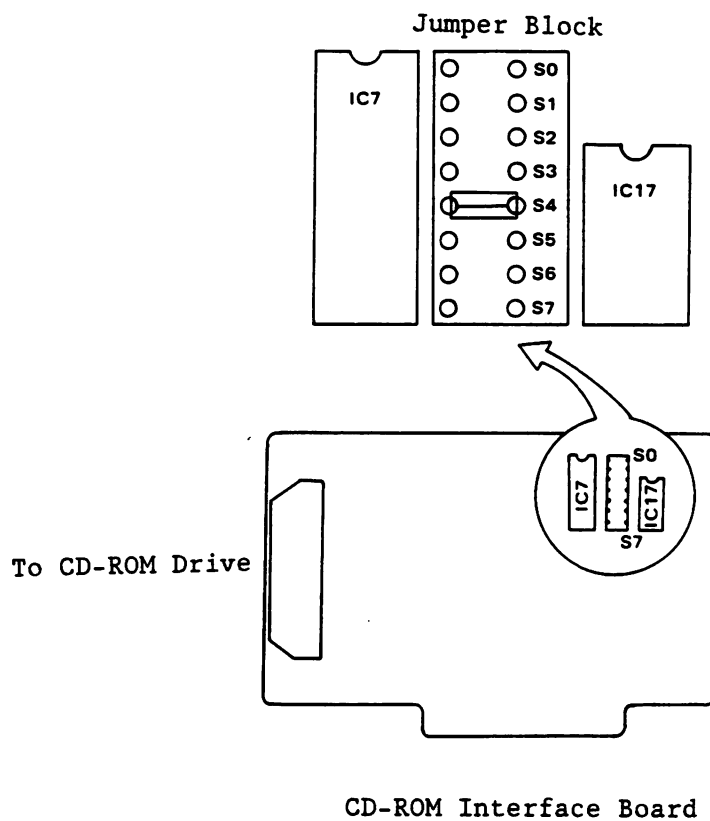


Figure 244. Hitachi CD ROM player and Interface

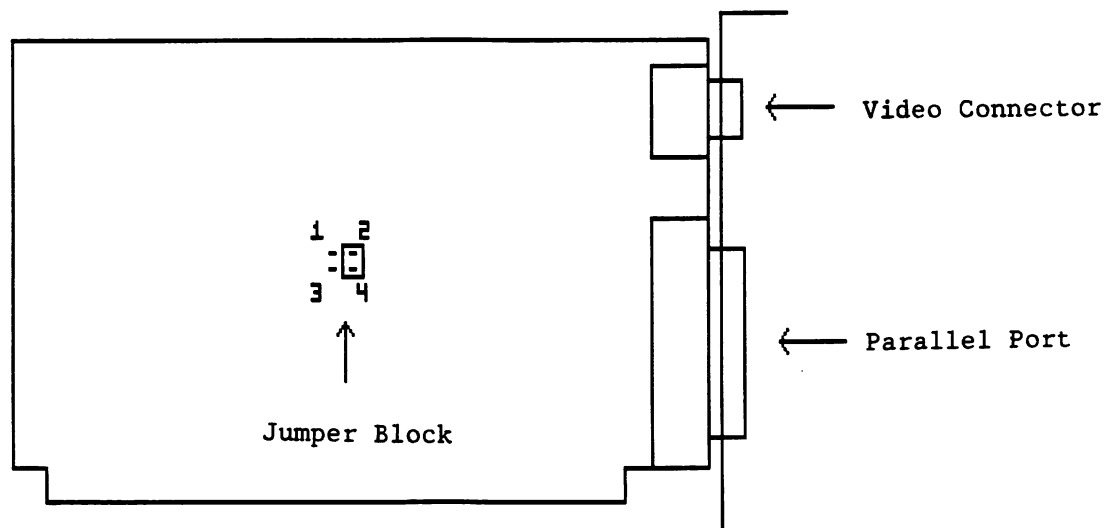


Figure 245. Monochrome/parallel Adapter Board

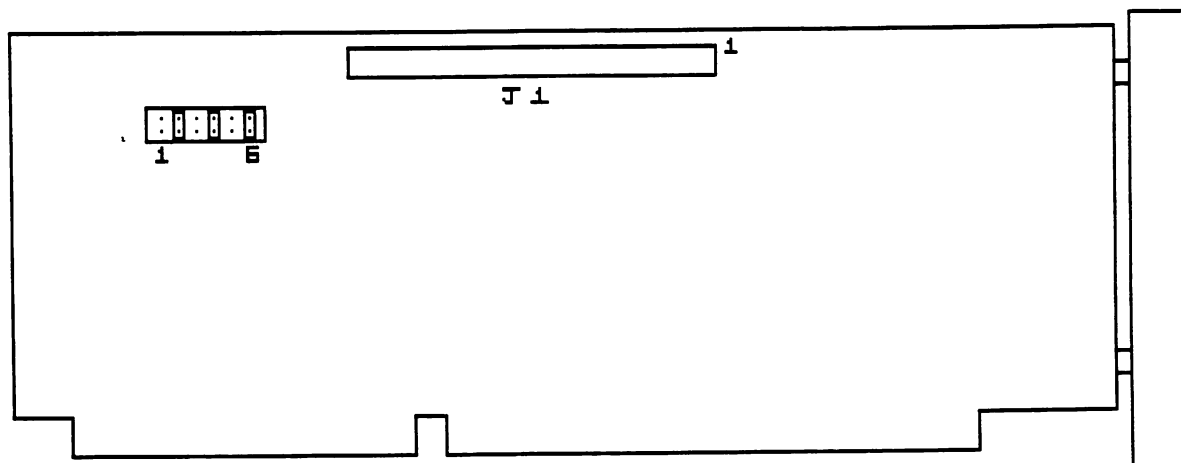


Figure 246. Smart Drive Interface Adapter Board

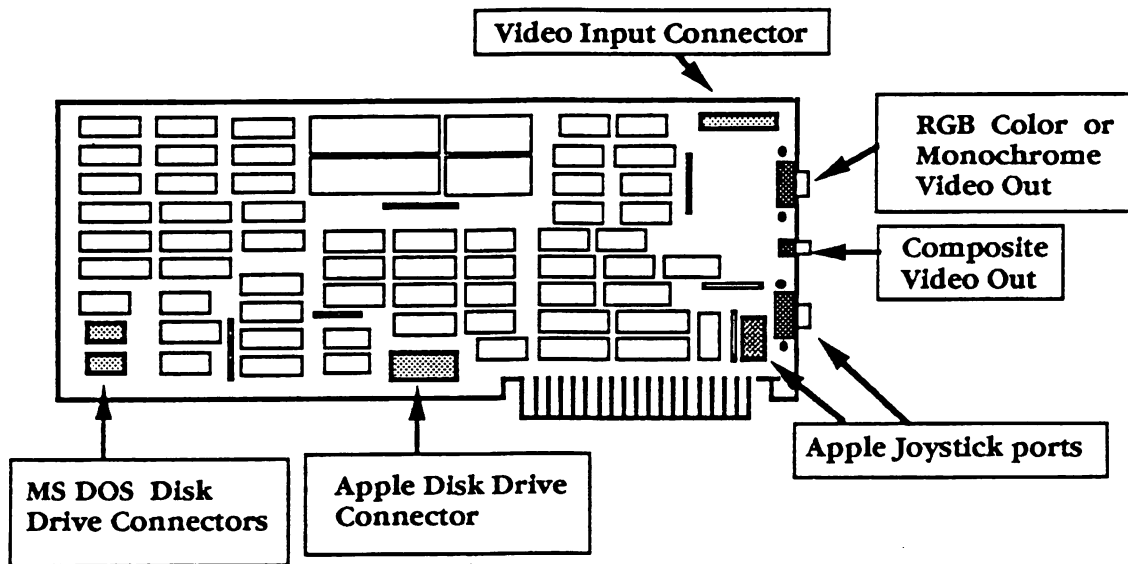


Figure 247. Trackstar 128 Interface Board
Trackstar E Interface Board

W9 - Boot ROM Size
16 KBytes - 27128 Type

W1 - Clear Configuration
Not Enabled

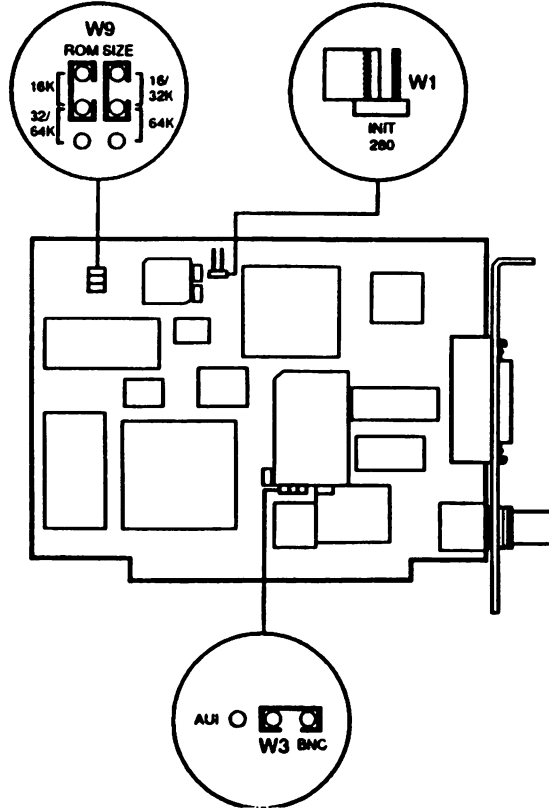


Figure 248. Tandy Ethernet Adapter Board

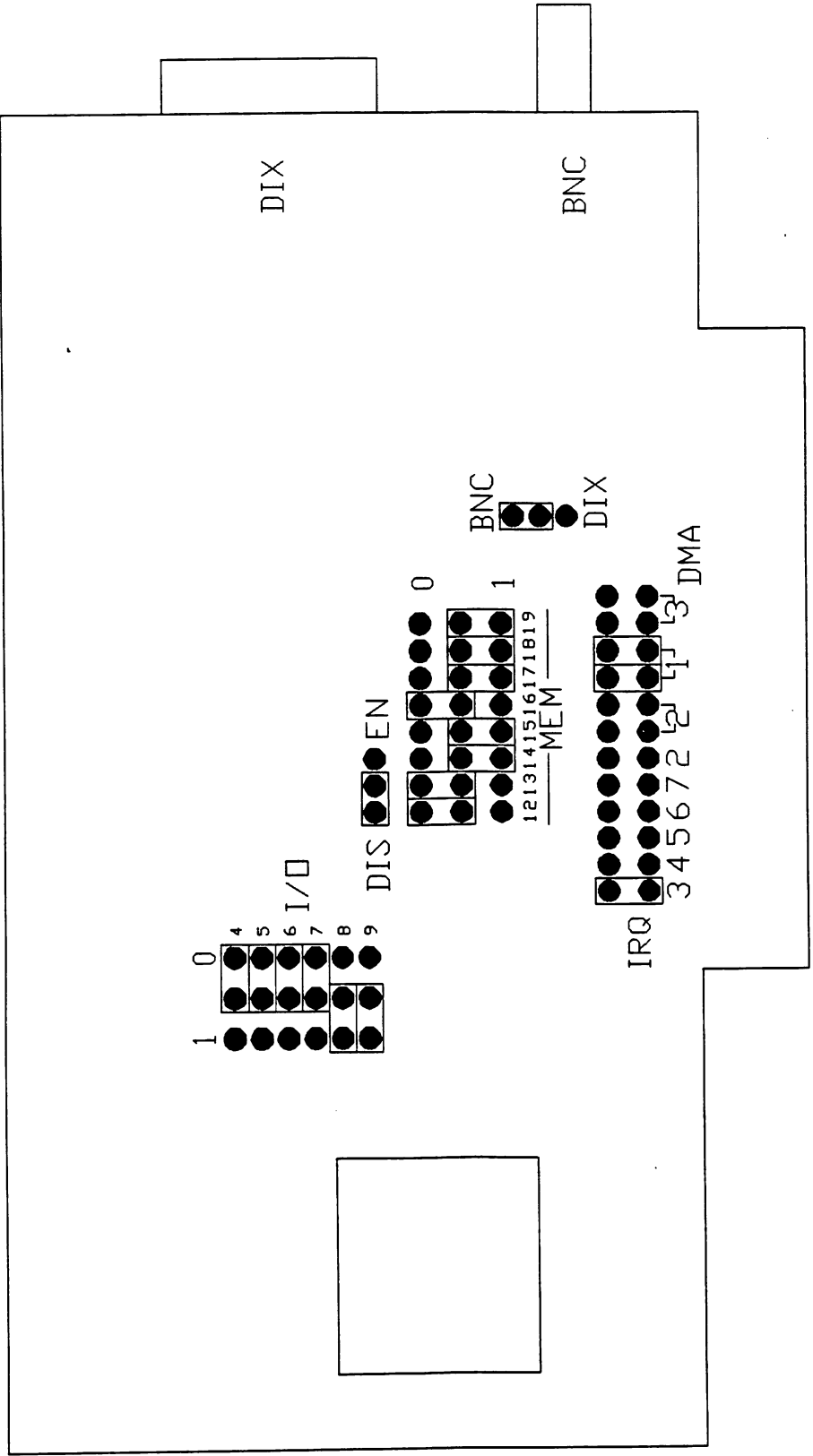


Figure 249. Late Style Etherlink I Adapter Board

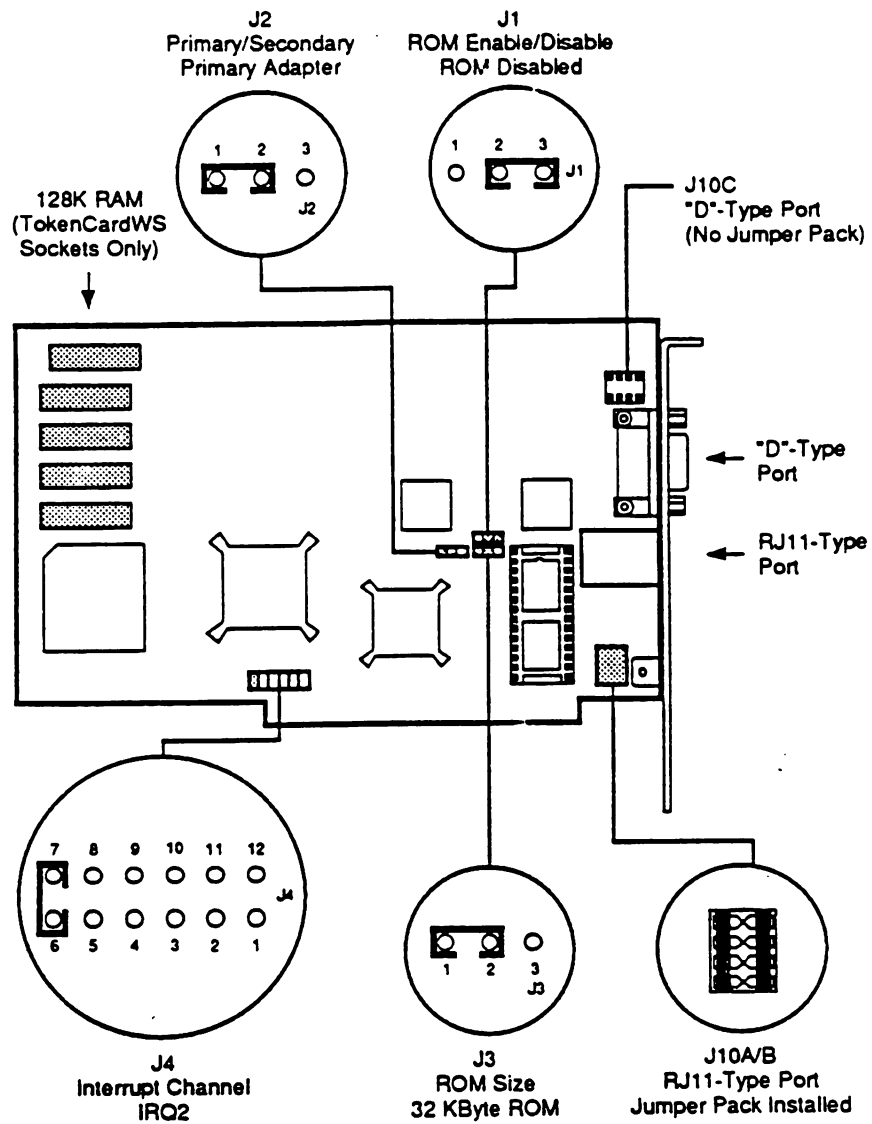
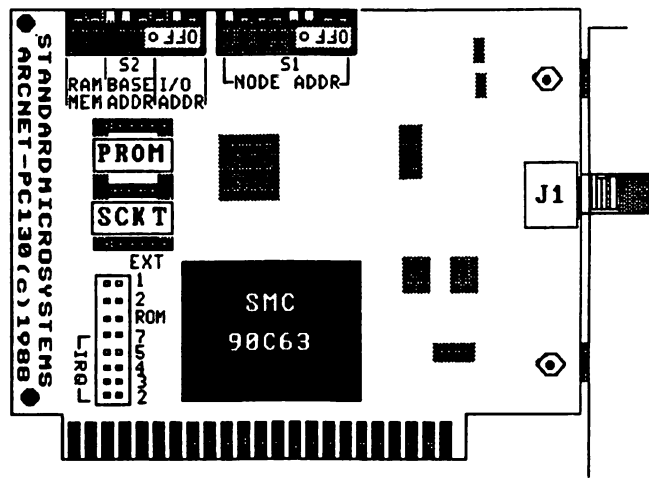


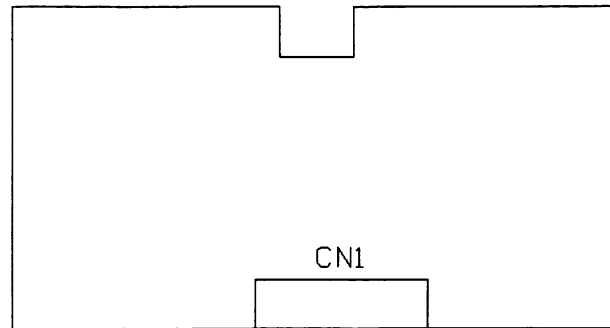
Figure 250. Tandy Token Ring Adapter Board



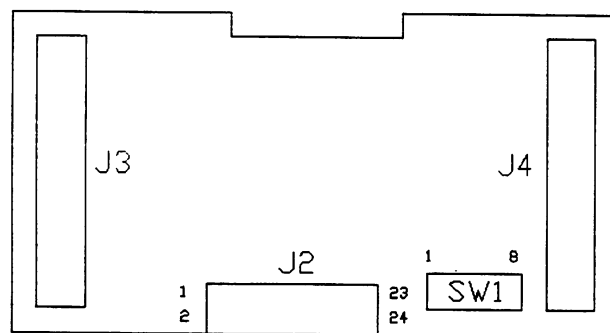
Legend:

SMC 90C63	ARCNET Controller / Transceiver / Support Logic
S1	1-8: Node ID Select
S2	1-3: I/O Base Address Select
	4-6: Memory Base Address Select
	7-8: RAM Offset Select
EXT	Extended Timeout Select
IRQ	Interrupt Select
ROM	ROM Enable Select
J1	BNC RG-62/U Connector

Figure 251. Tandy Arcnet Adapter Board



UPPER PCB
ASSEMBLY



LOWER PCB
ASSEMBLY

Figure 252. Serial Parallel Converter

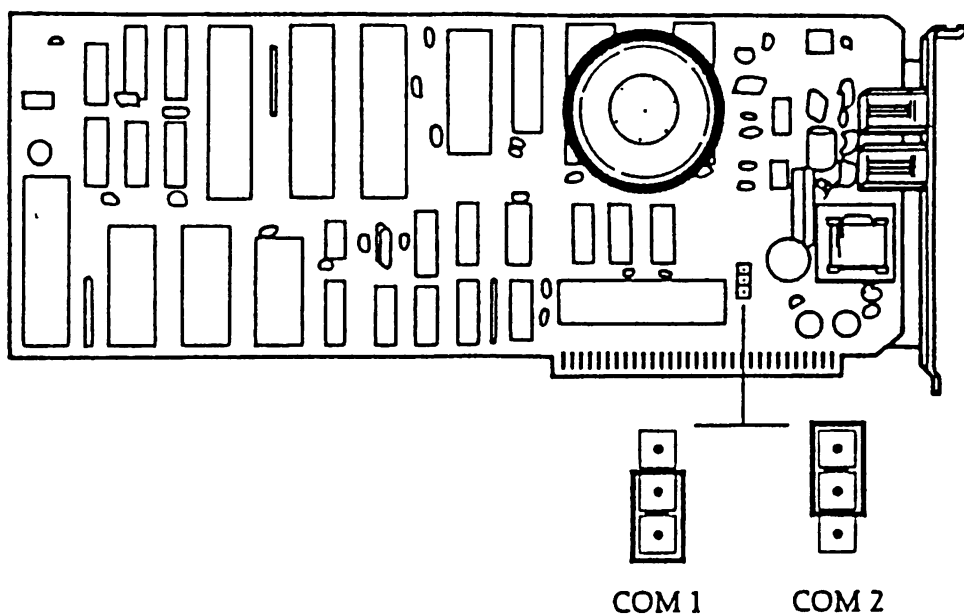


Figure 253. Tandy 2400 Baud Error Correcting Modem Board

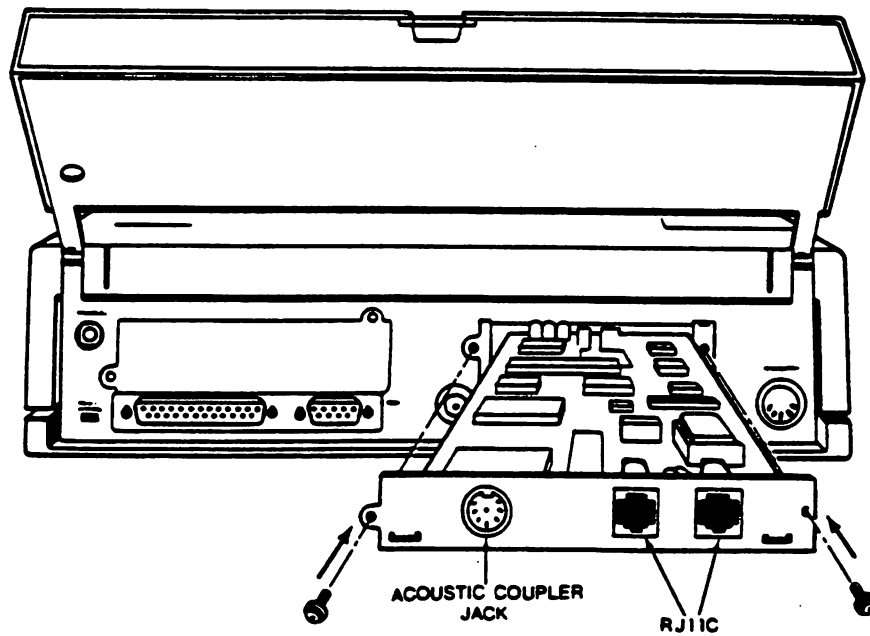


Figure 254. Tandy 1400LT/FD/HD 2400 Baud Internal Modem Board

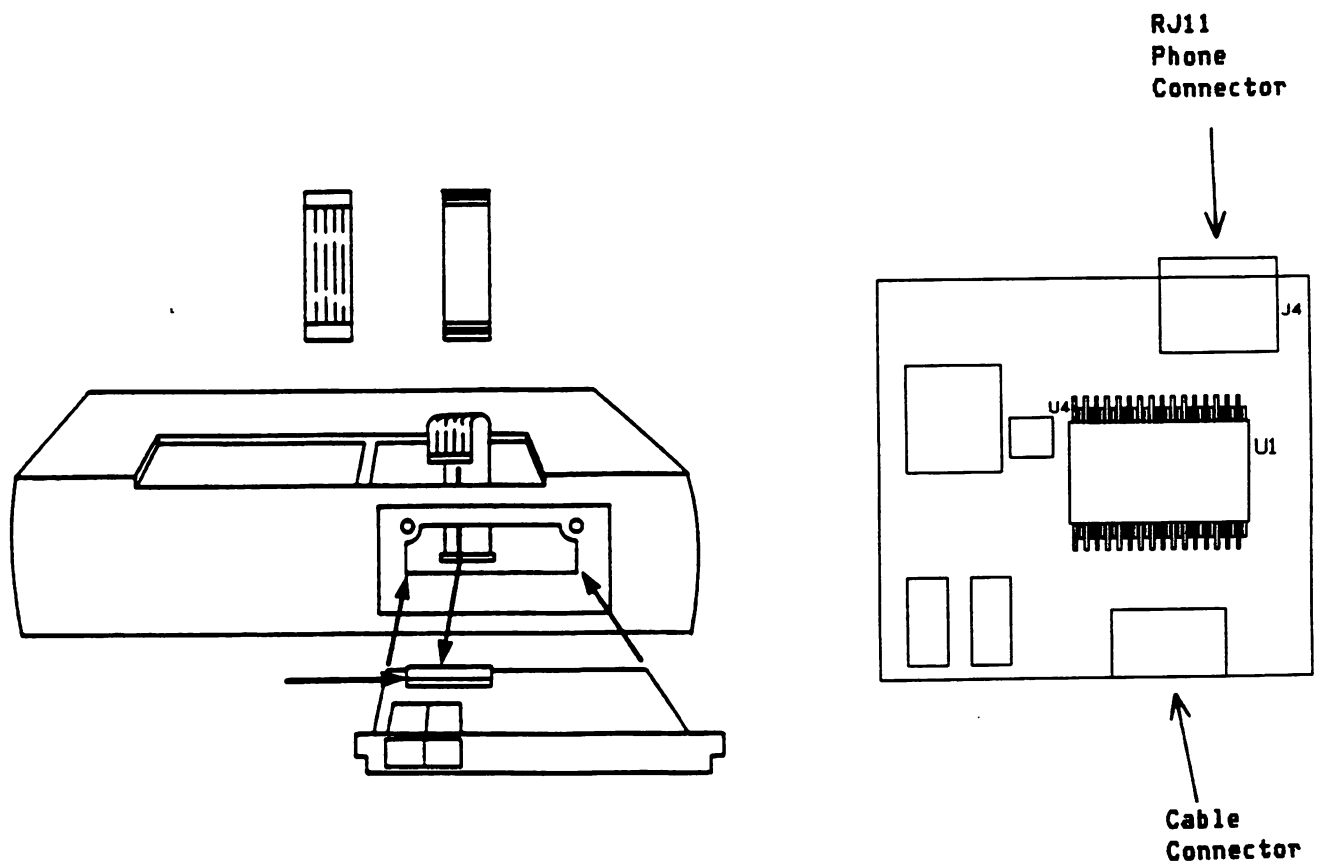


Figure 255. Tandy 1100FD Internal Modem Board
Tandy 1110HD Internal Modem Board

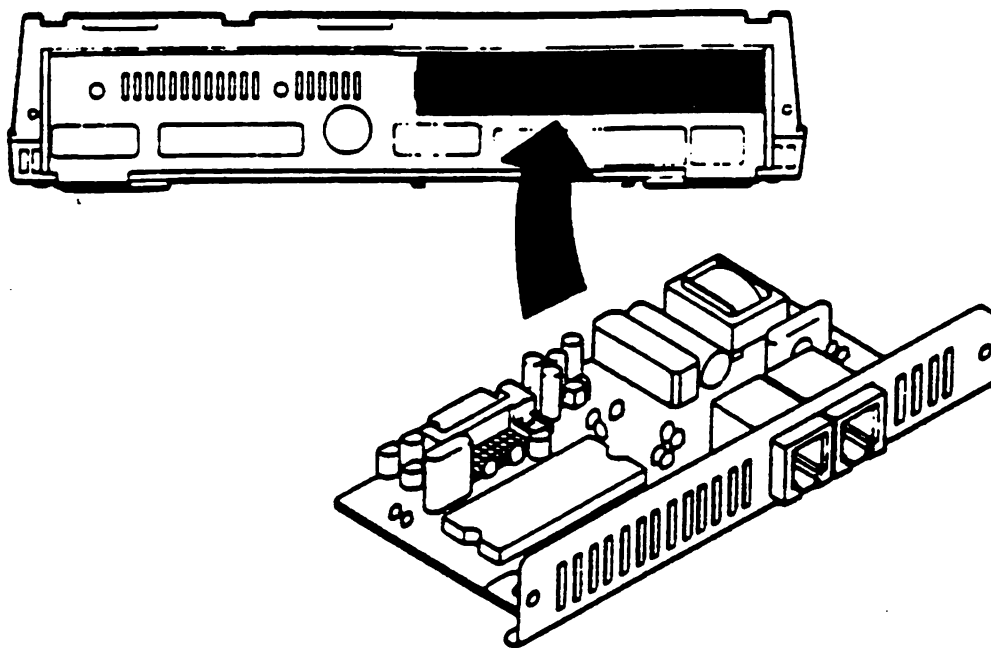


Figure 256. 2400 bps Internal Modem for Tandy 2800HD

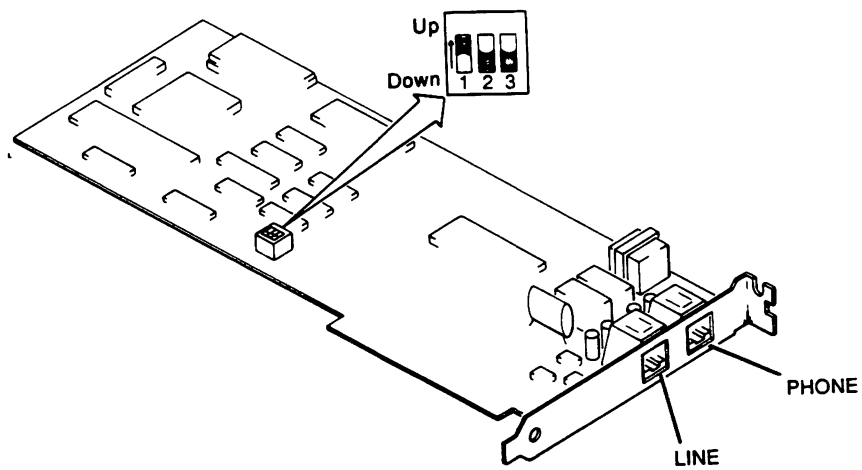
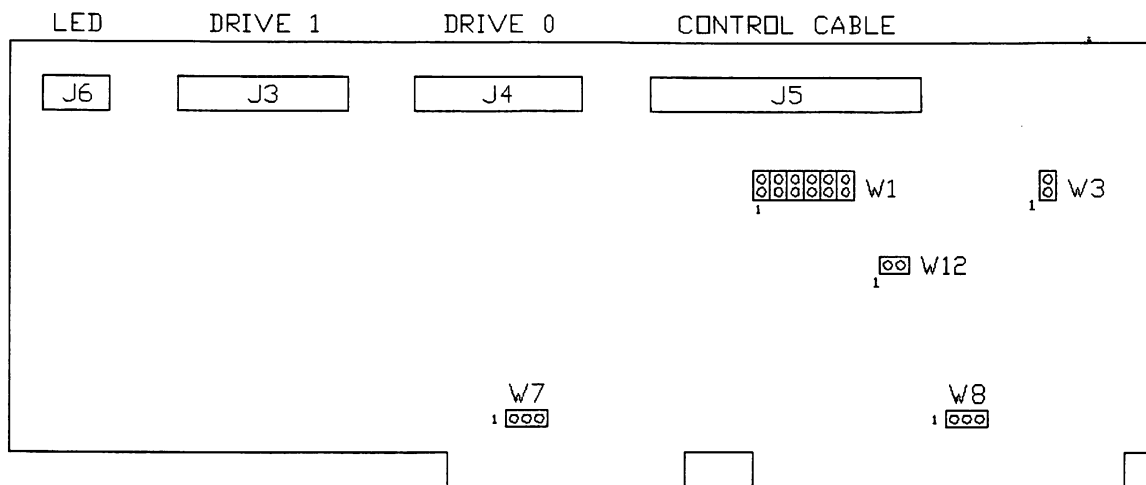


Figure 257. Tandy Faxmate Board



W1	Pin Numbers		
	☐ 1-2	→	Enables look-ahead cacheing
	☐ 3-4	→	Four byte ECC mode
	☐ 5-6	→	Enables all disk address translation features
	☐ 7-8	→	Reserved
	☐ 9-10	→	Sectors per track determined by drive jumpers
	☐ 11-12	→	No alternate sector
W3	☐ 1-2	→	BIOS ROM enabled
W7	☒ 1 ☒ 2 ☐ 3	→	IRQ14 (<i>jumper installed</i>)
W8	☐ 1 ☒ 2 ☒ 3	→	BIOS address is CC00:0000 TO CC00:3FFF (<i>jumper installed</i>)
W12	☐ 1-2	→	Primary hard disk address (1F0-1F7)

Figure 258. Western Digital ESDI Controller for AT style computers

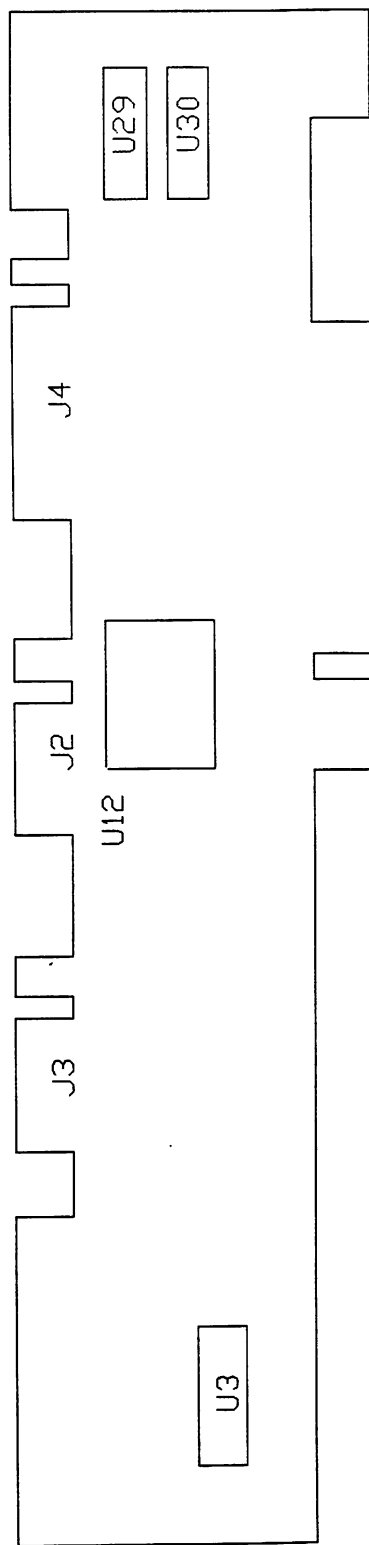


Figure 259. Western Digital ESDI Controller for Tandy 500MC

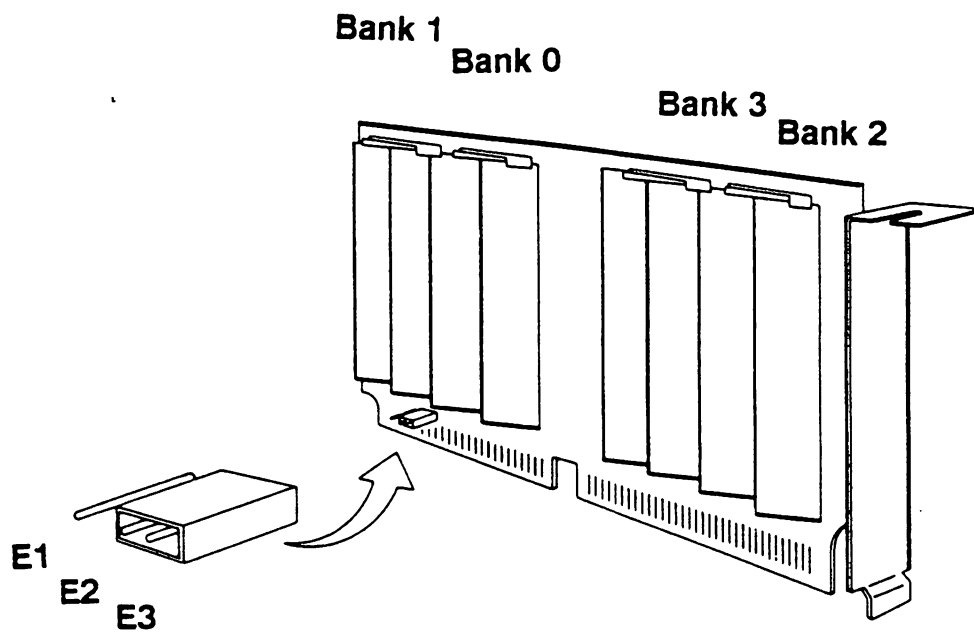


Figure 260. Memory Adapter Board for Tandy 4000SX

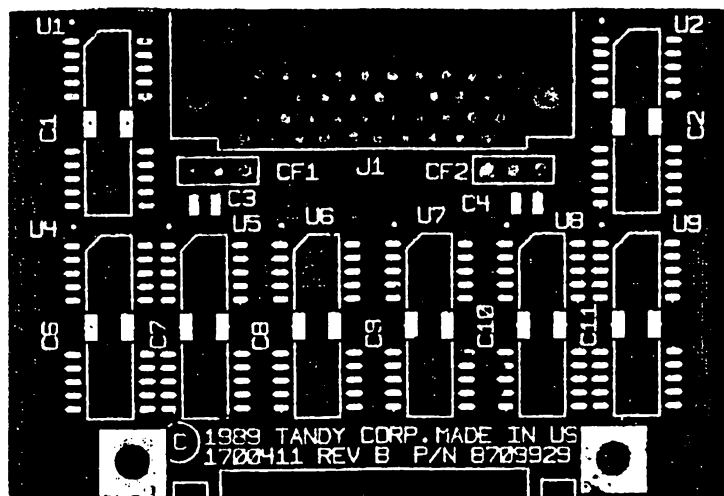


Figure 261. 1 MEG Memory Upgrade Board For 2800HD

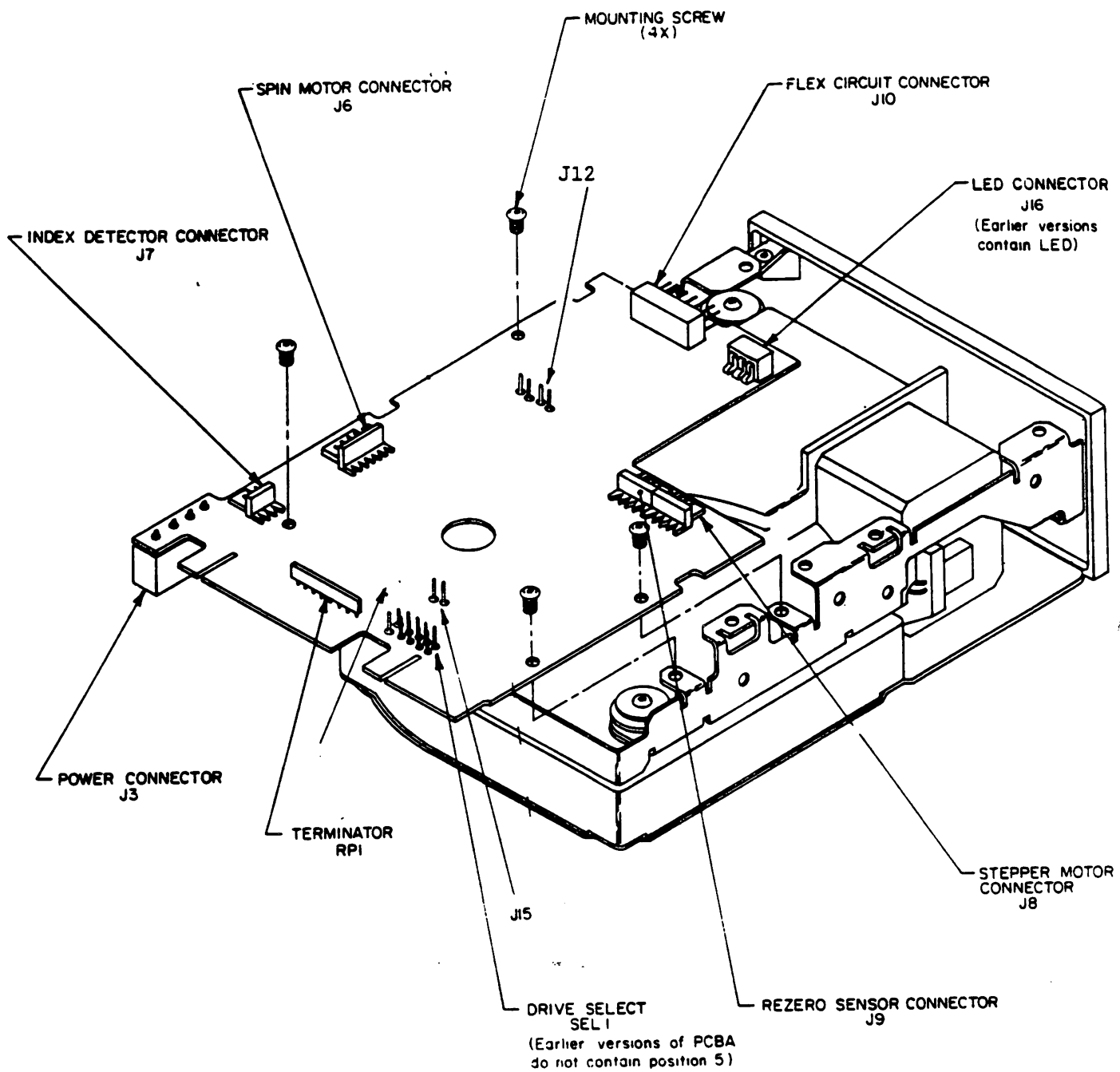
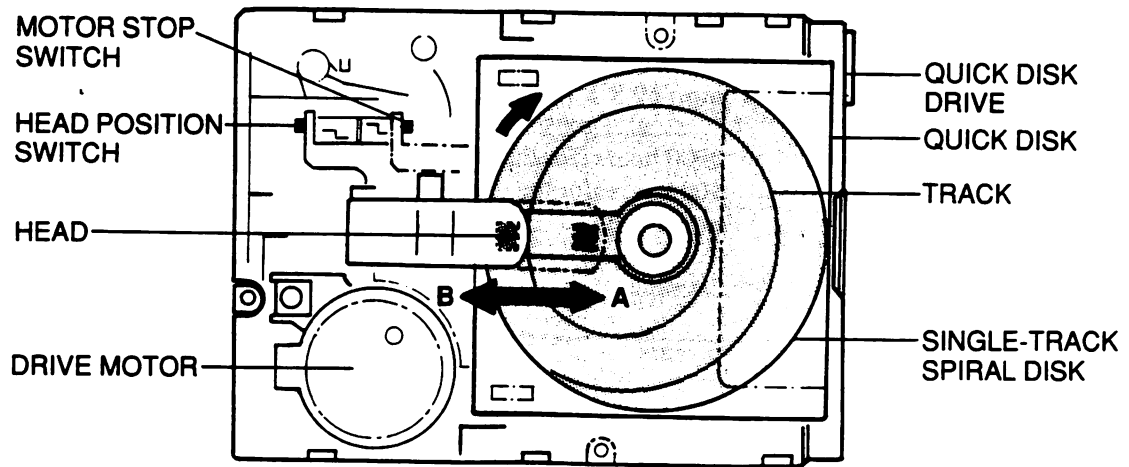
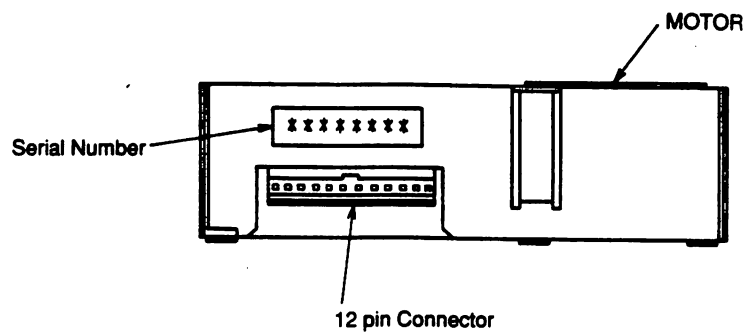


Figure 262. 20 MEG MiniScribe 8438 Hard Card
Version 3



TOP VIEW



Back Side View

Figure 263. 2.8" Quick Disk Drive for WP100

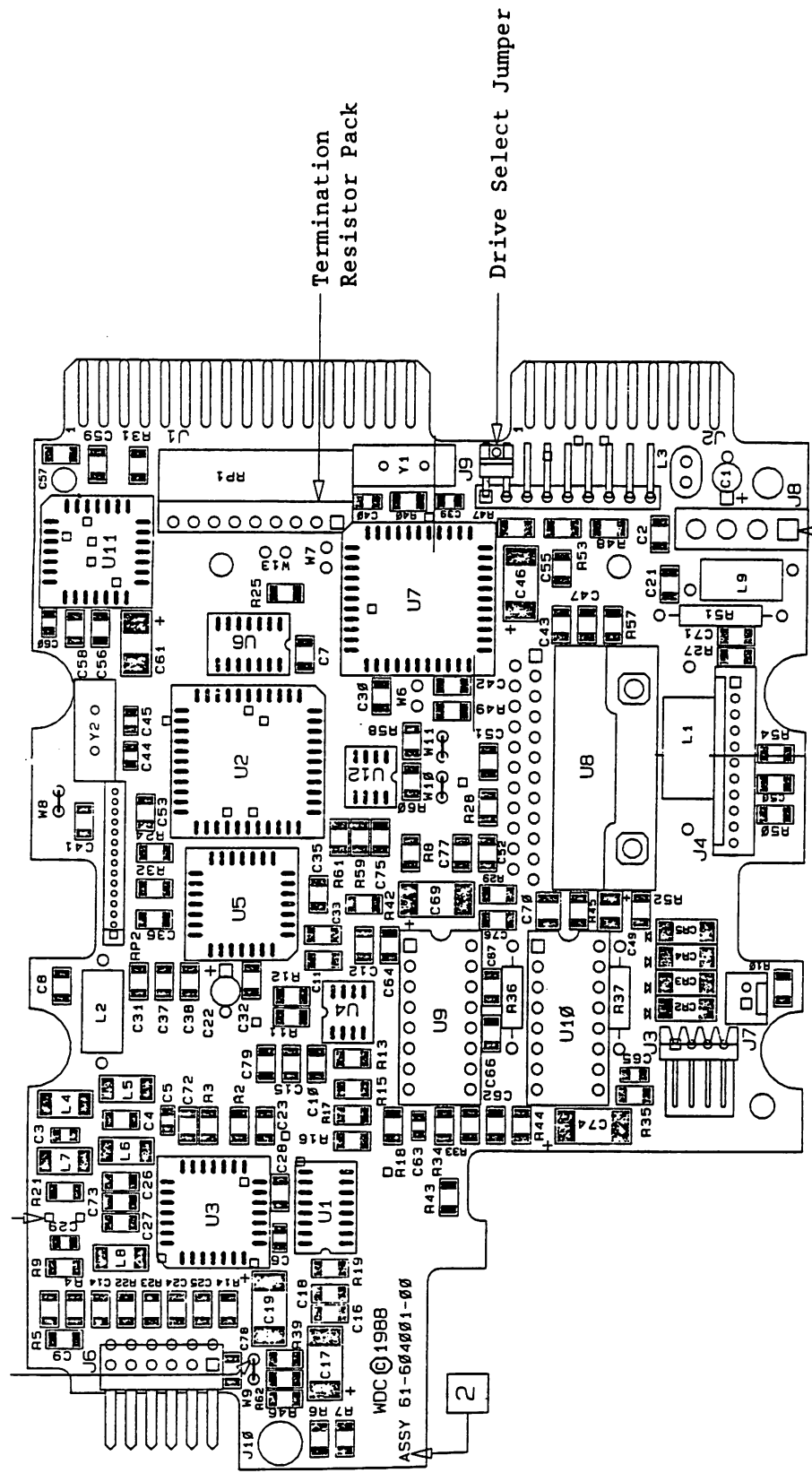


Figure 264. Western Digital WD344 40 Meg Hard Card Hard Drive Logic Board
 Note: Component side shown. On the bubble it will be facing down with the solder side facing up.

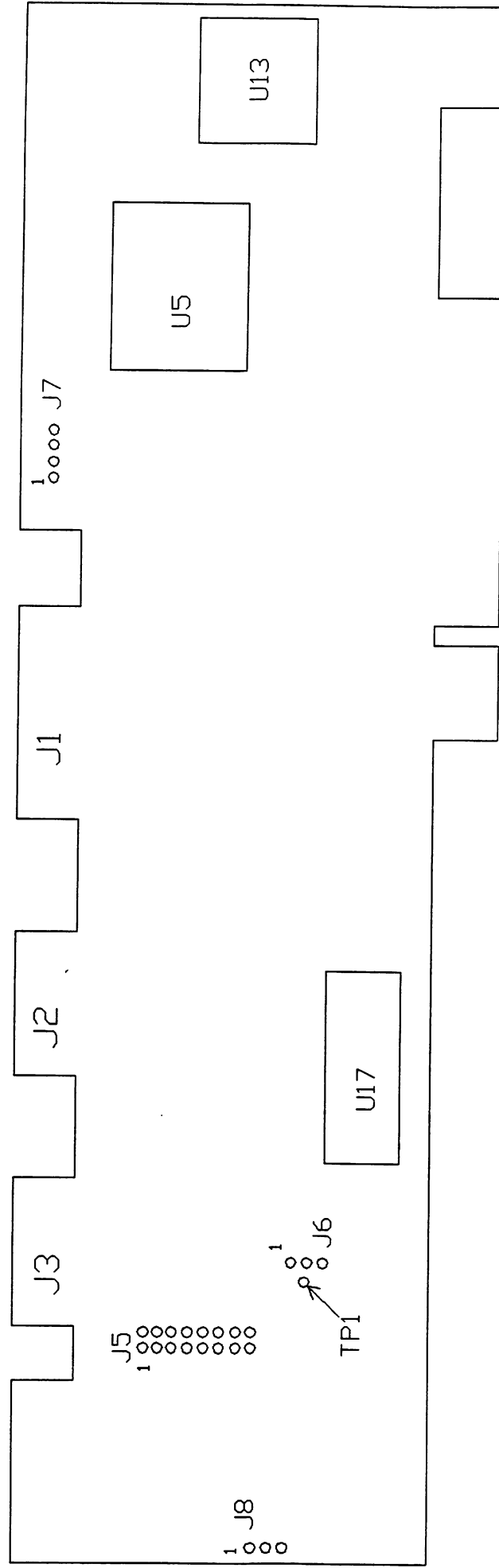


Figure 265. Adaptec ST506 Hard Drive Controller For Tandy 5000MC

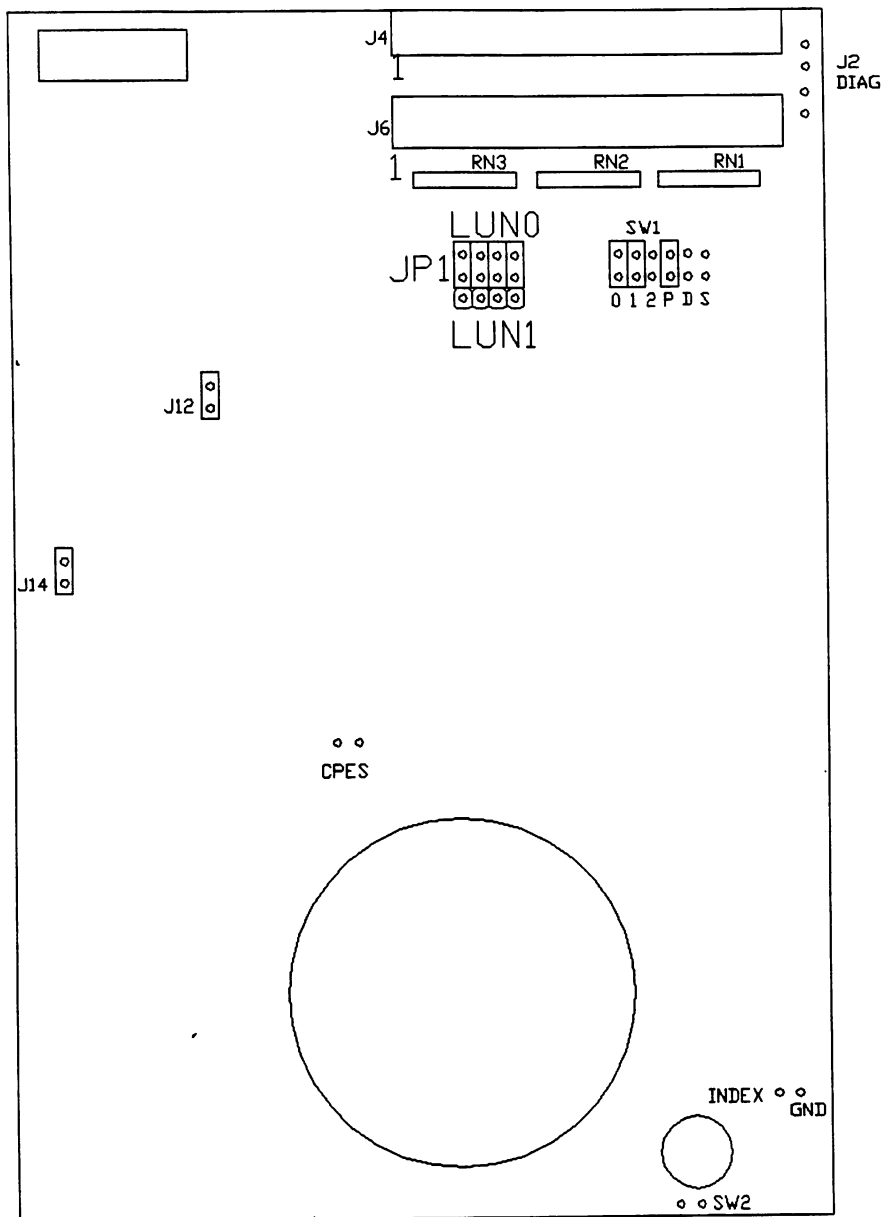


Figure 266. 20 MEG Internal DCS "A" Version - BETA L

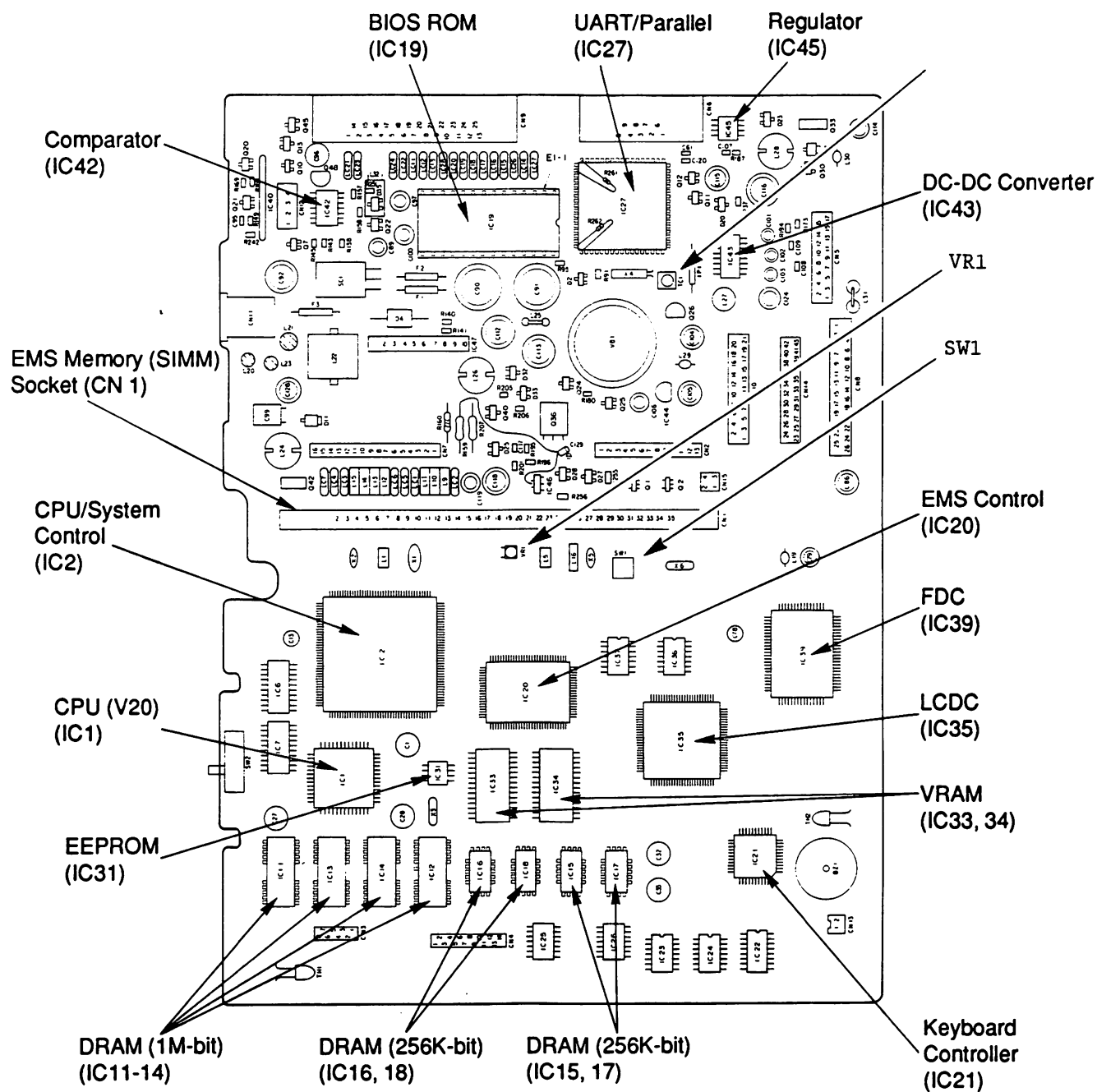


Figure 267. Tandy 1500HD Main Logic Board

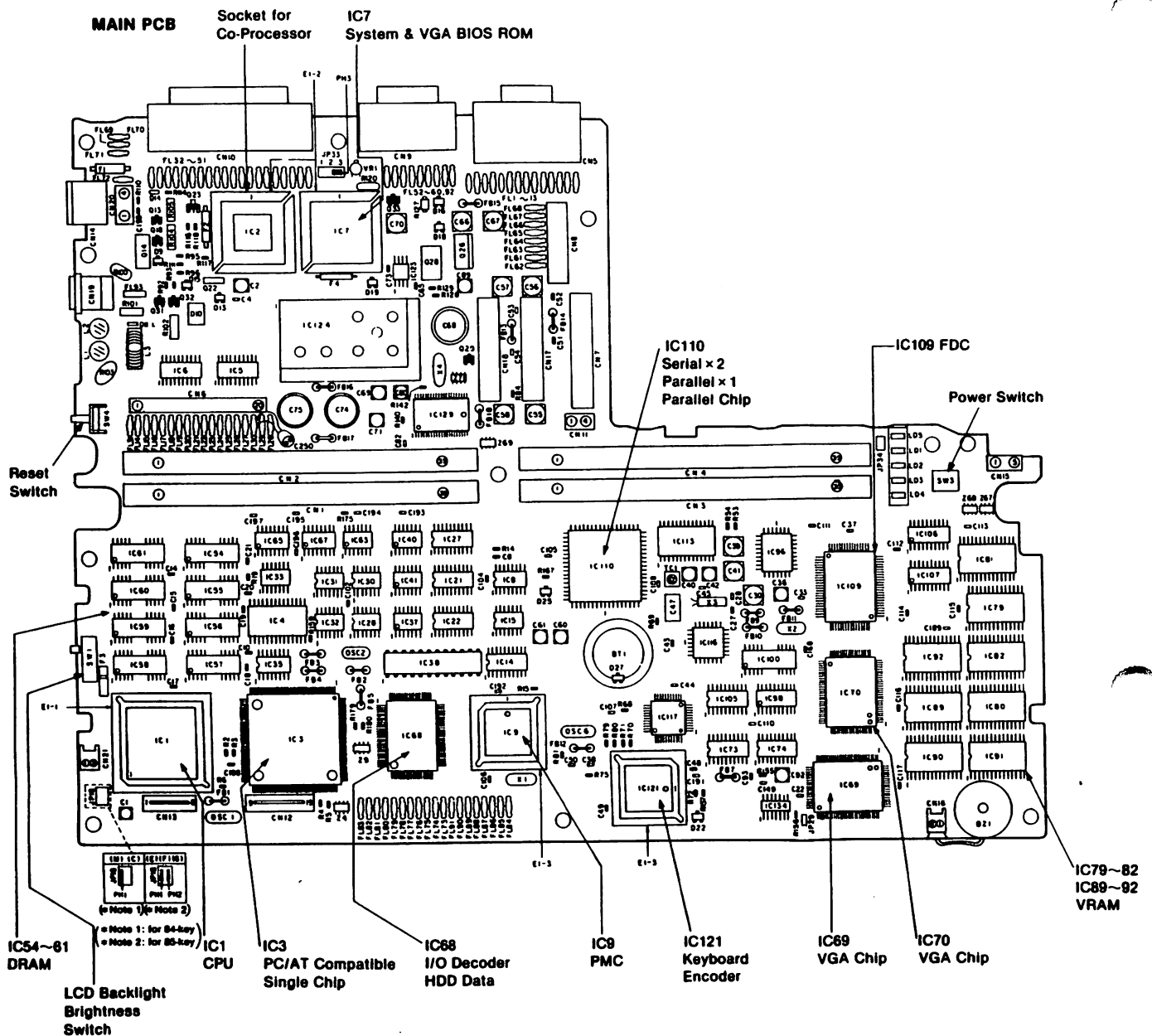


Figure 268. Tandy 2810HD Main Logic Board

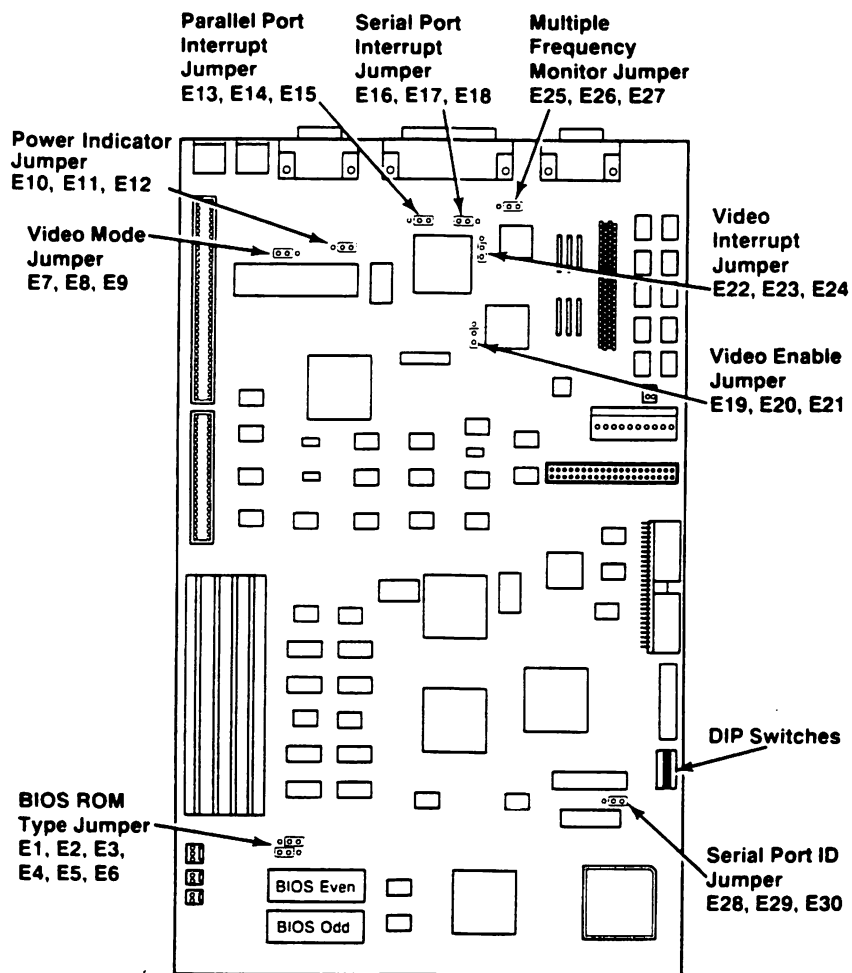
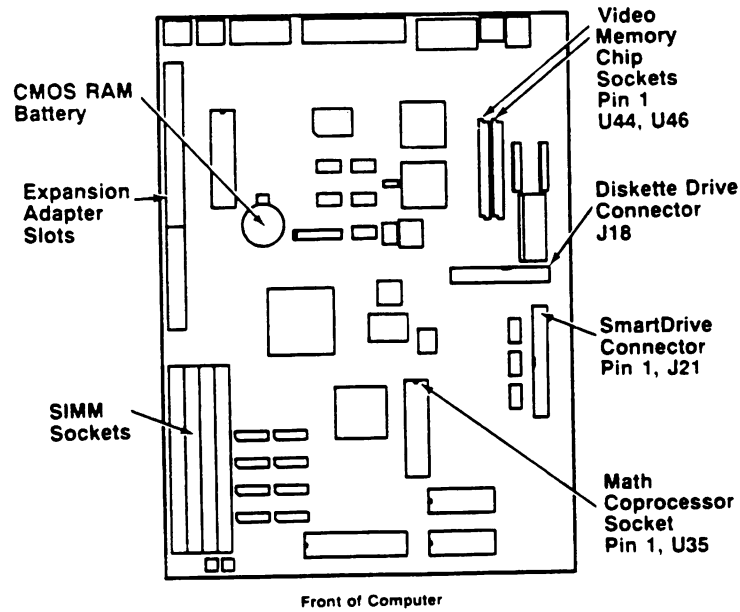


Figure 269. Tandy 4020SX Main Logic Board

Slots and Connectors



Jumpers

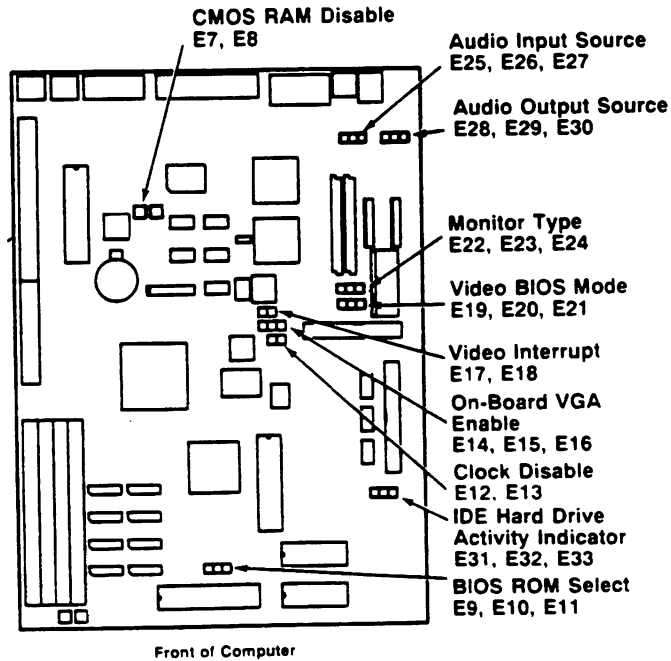


Figure 270. Tandy 2500XL/2 Main Logic Board

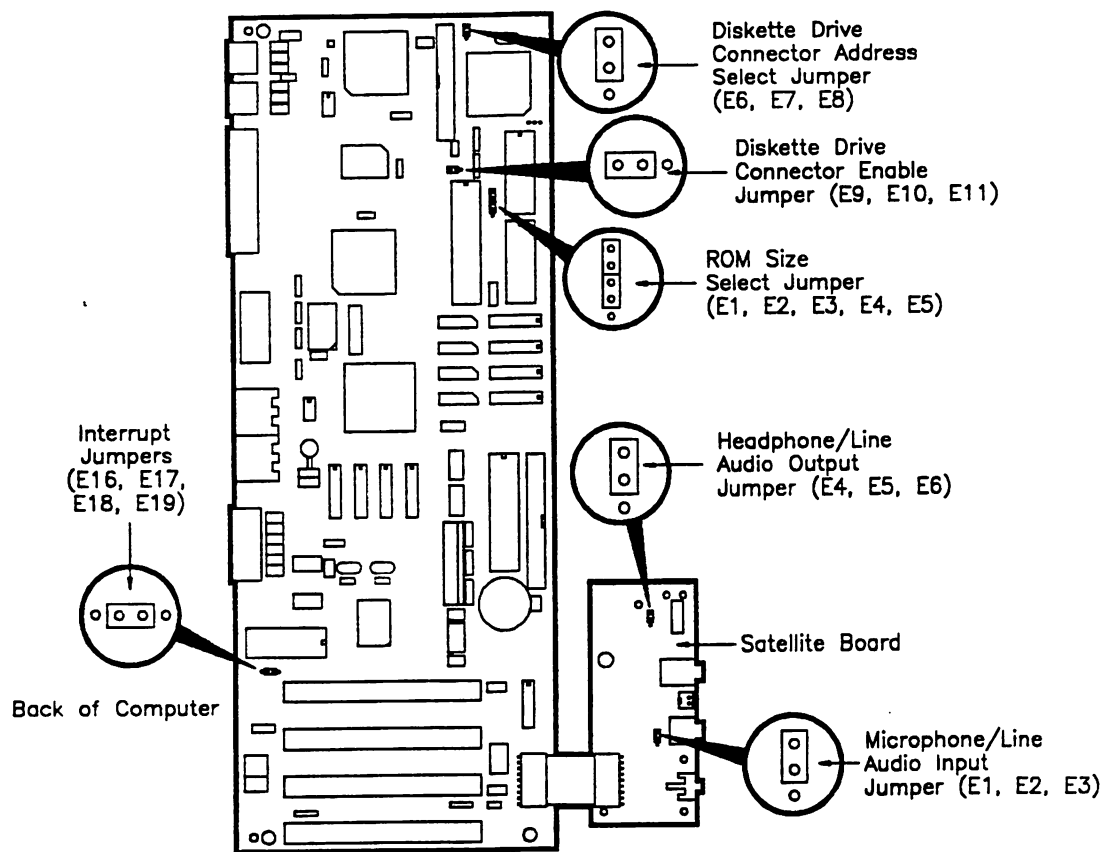


Figure 271. Tandy 1000TL/3 Main Logic Board

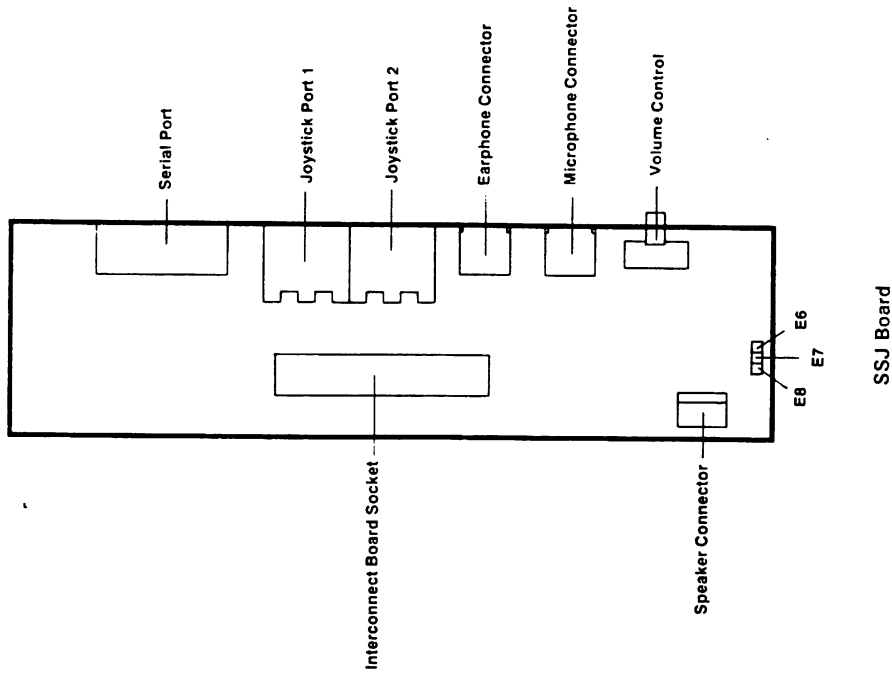
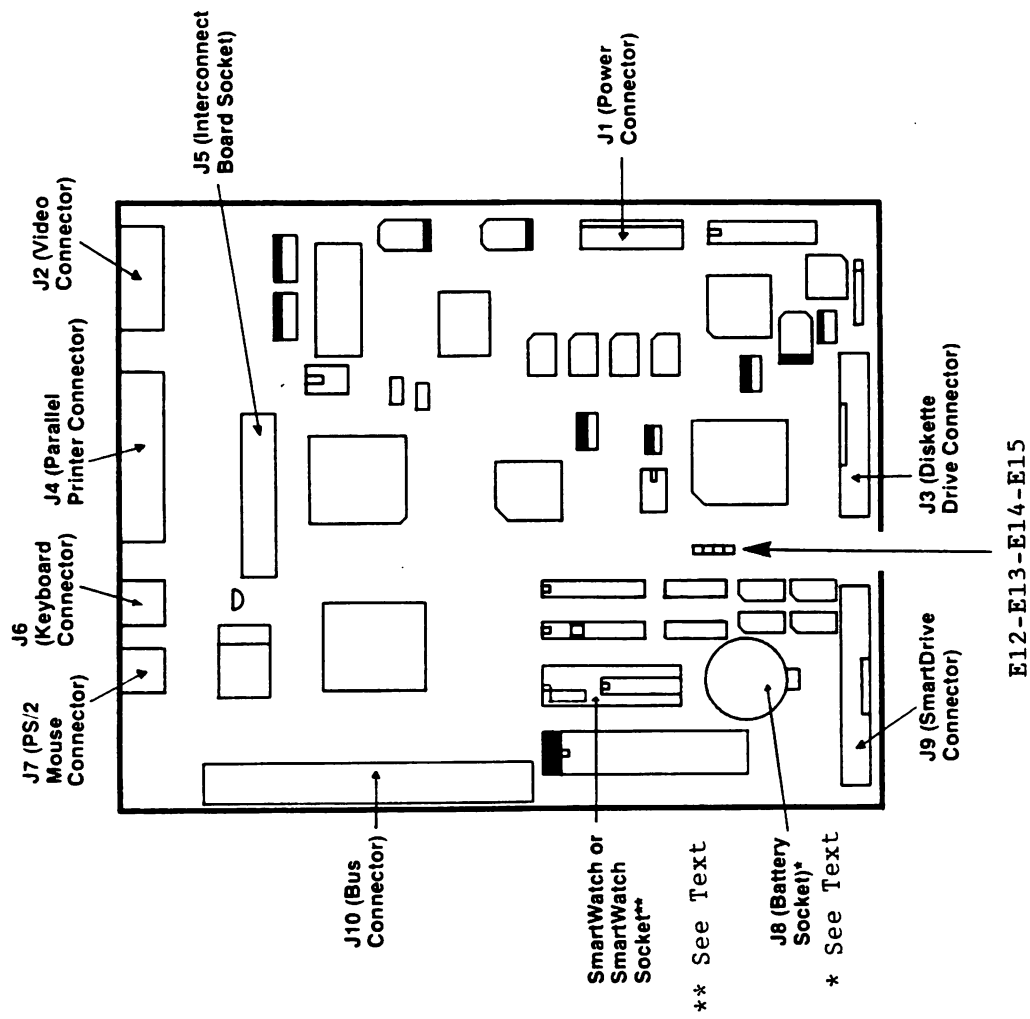


Figure 272. Tandy 1000RL/HD Main Logic Board
Sound/Serial/Joystick Board (SSJ Board)

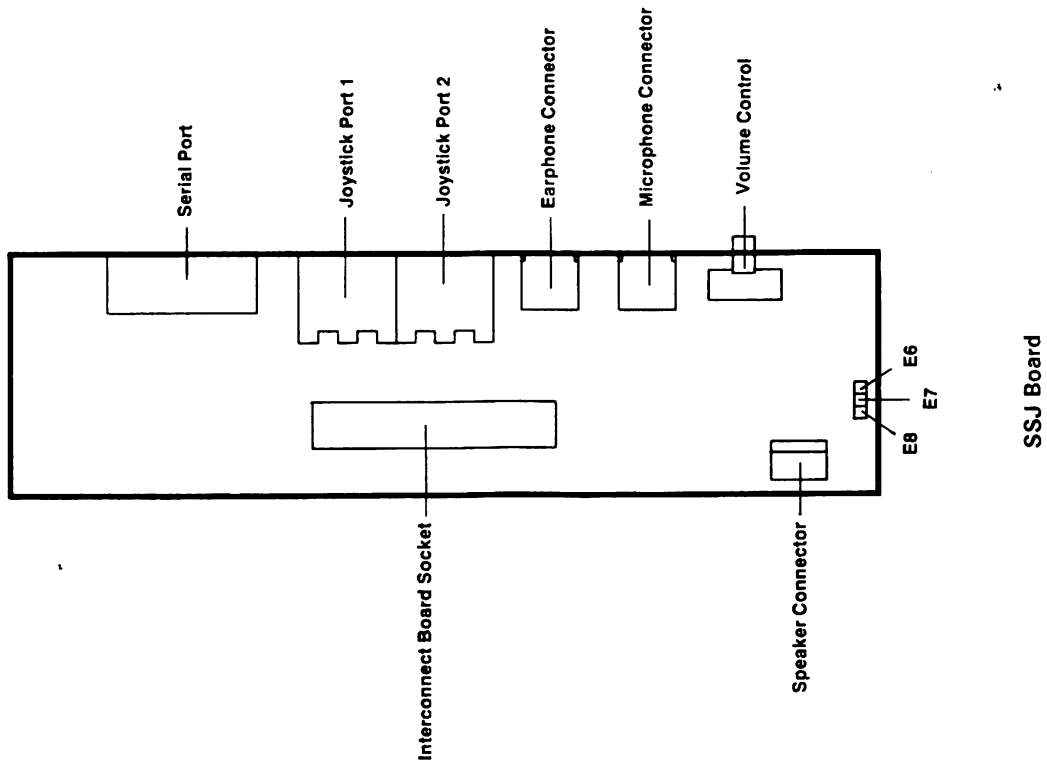
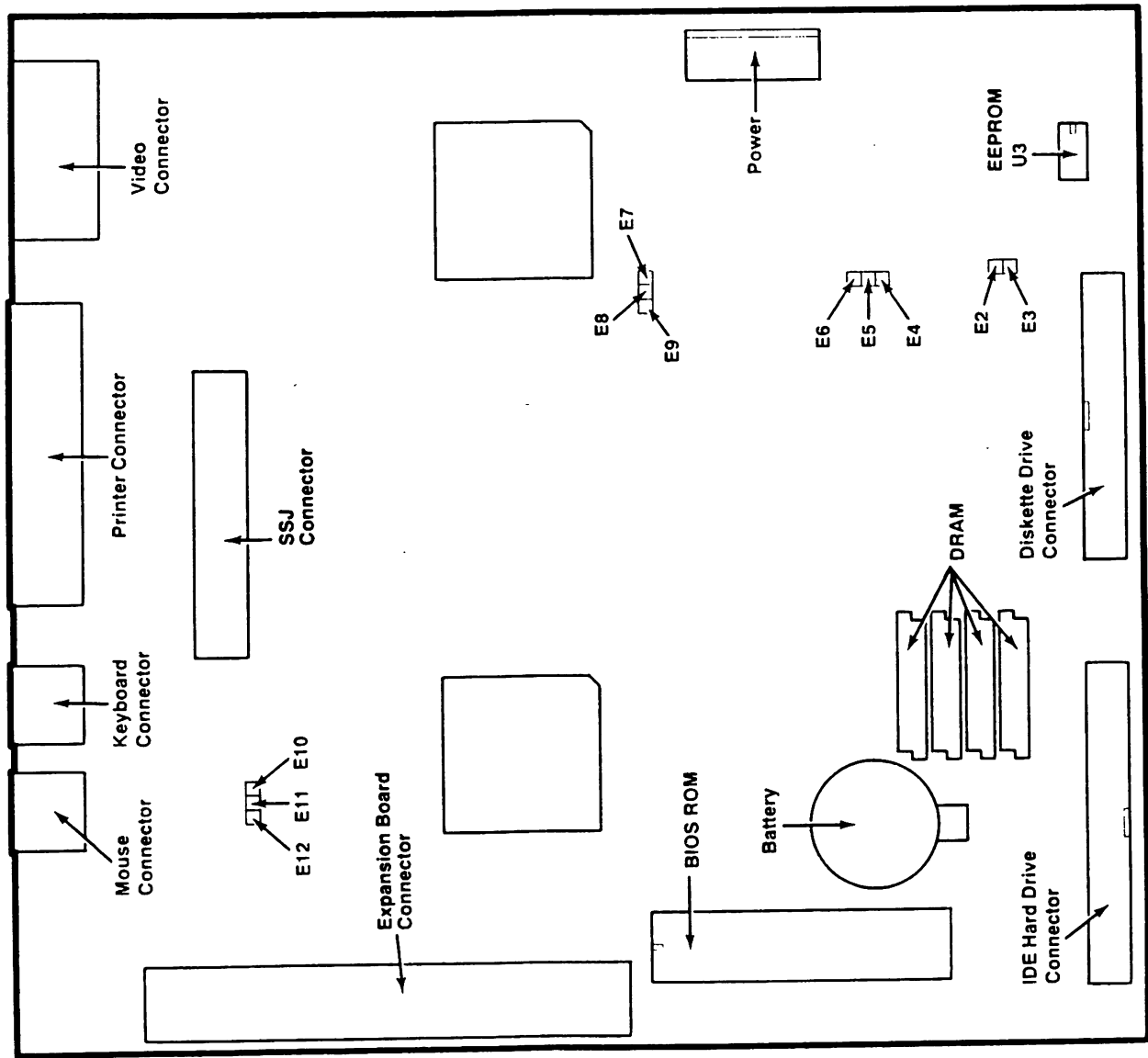


Figure 273. Tandy 1000RLX/HD Main Logic Board
Sound/Serial/Joystick Board (SSJ Board)

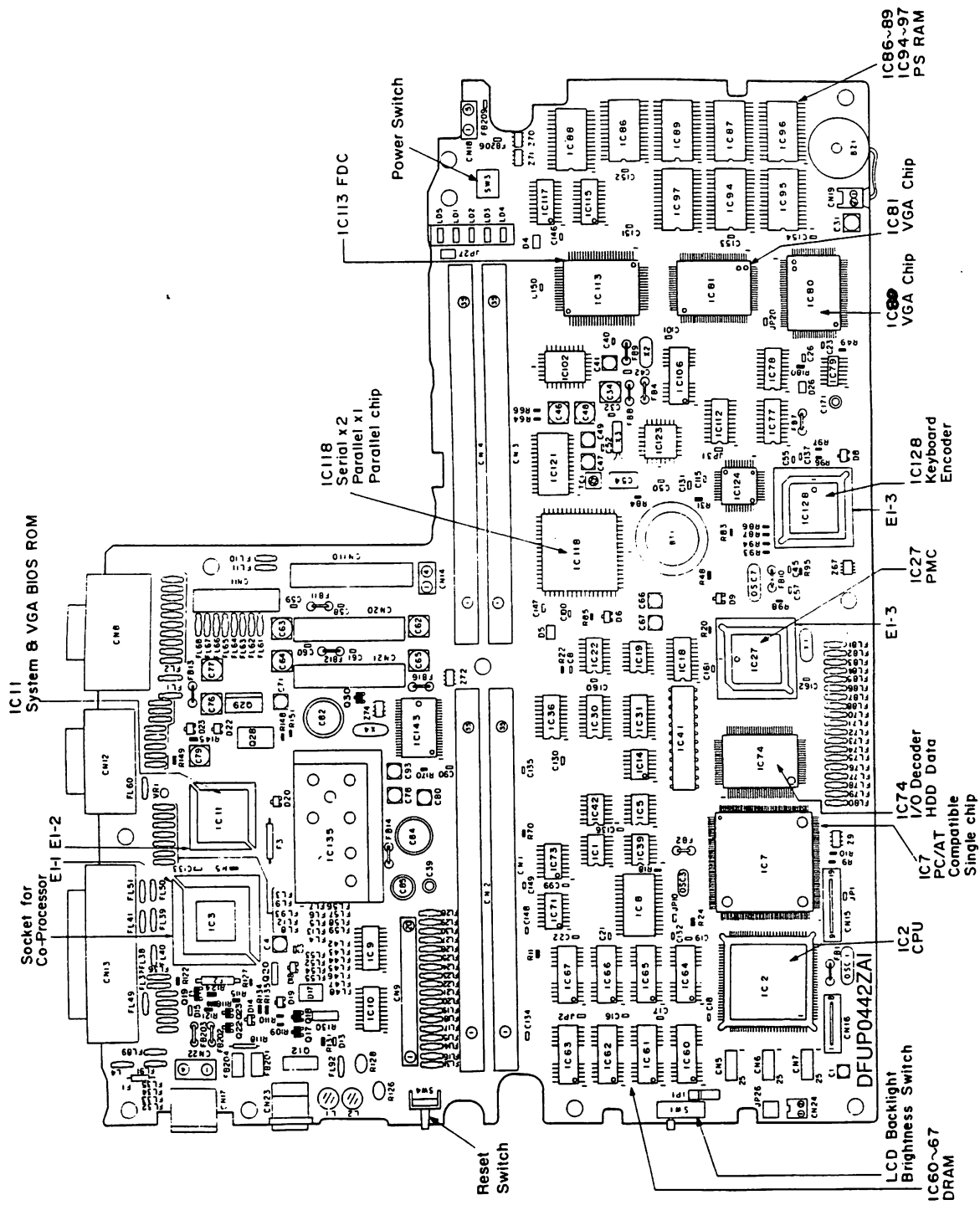


Figure 274. Tandy 3810 Main Logic Board

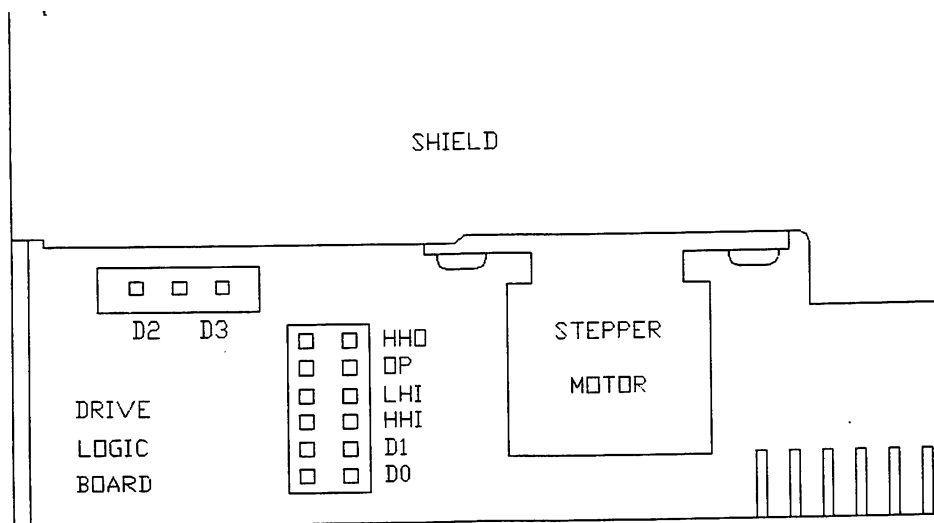


Figure 275. Teac FD-235HF-106U 3 1/2" 1.44MEG Floppy Drive

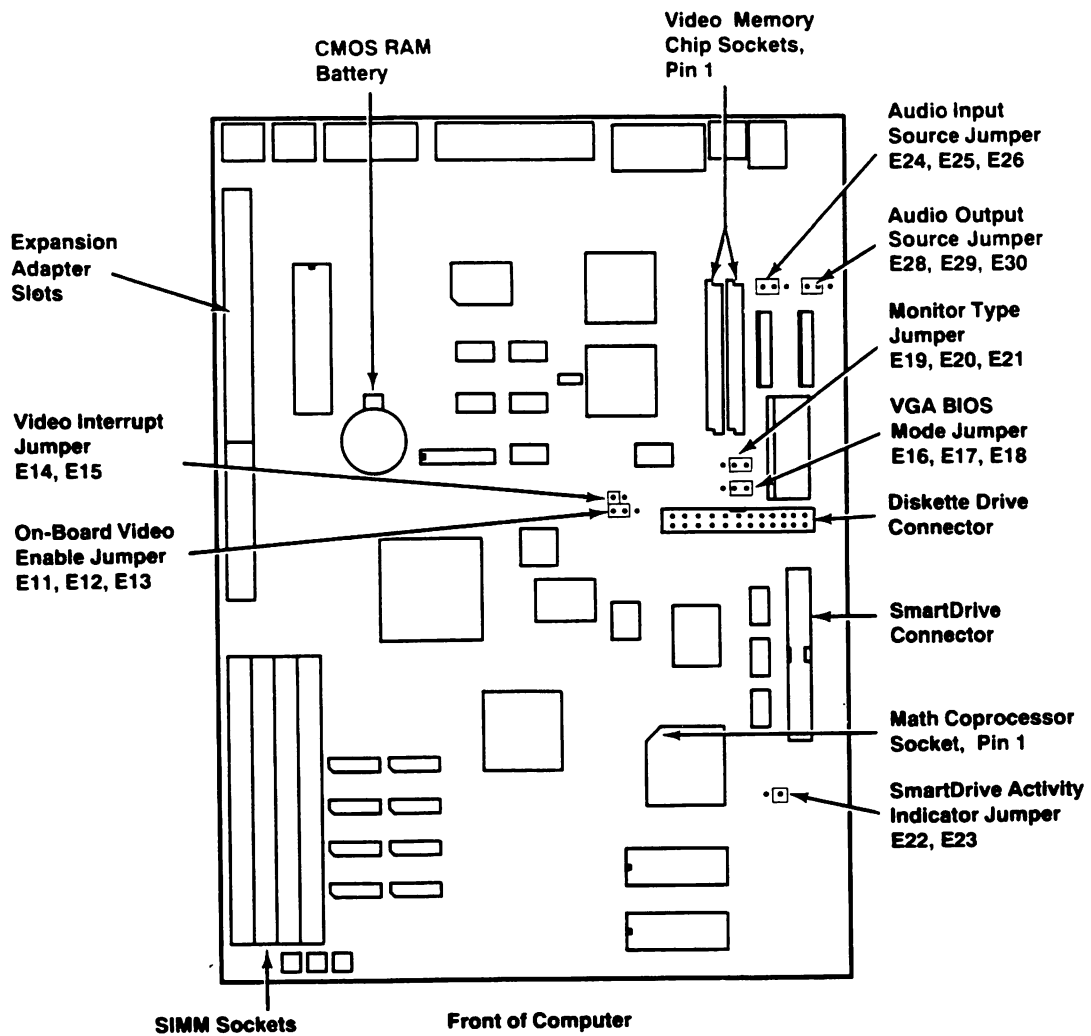


Figure 276. Tandy 2500SX Main Logic Board
Tandy 2500SX/20 Main Logic Board

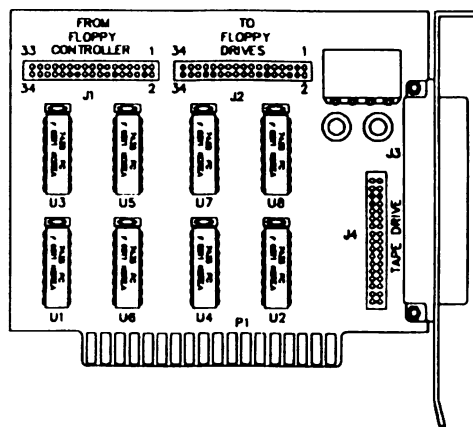


Figure 277. CMS Tape Drive Mux Adapter

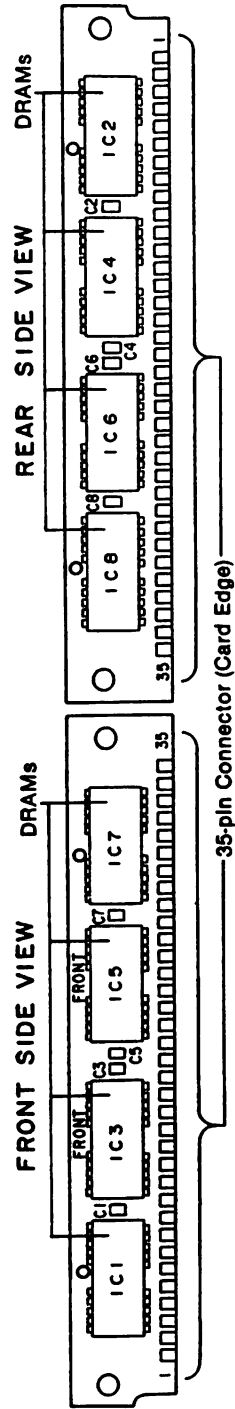


Figure 278. 1 Meg Memory Expansion SIMM for Tandy 1500/2810

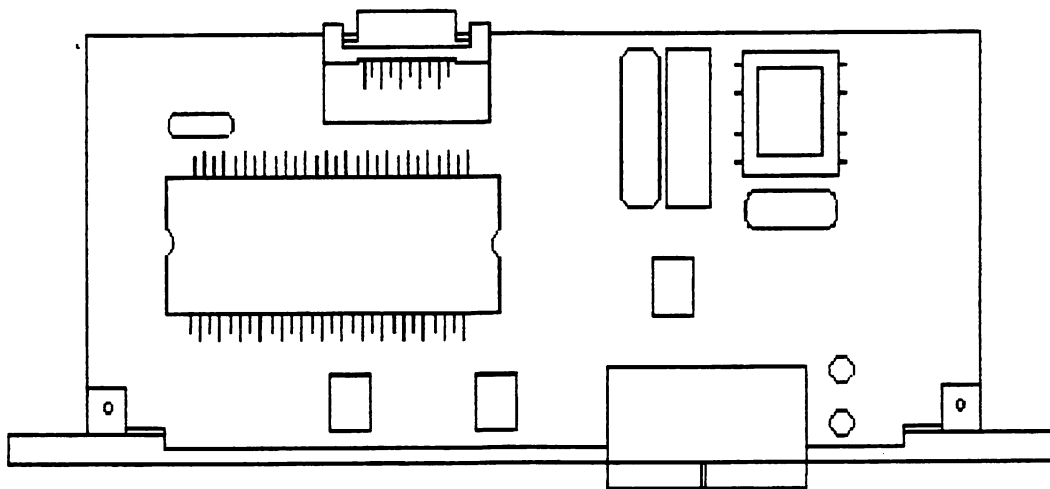


Figure 279. 2400 bps Modem for Tandy 2800 25-2555

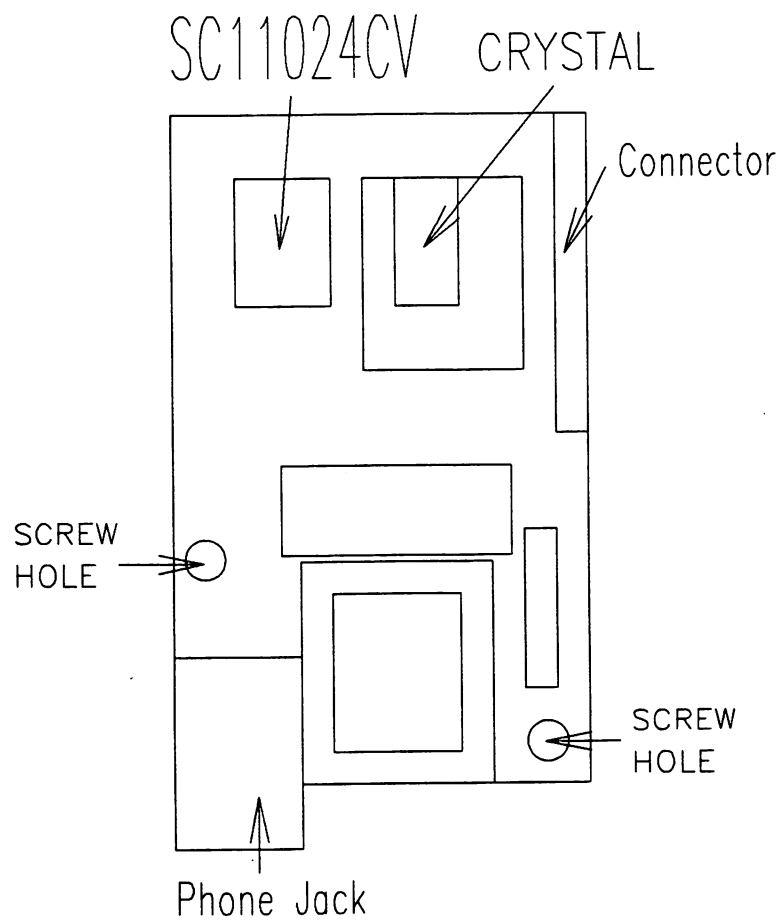


Figure 280. 2400 bps Modem for Tandy 1500/28xx/38xx Series Laptops 25-3525

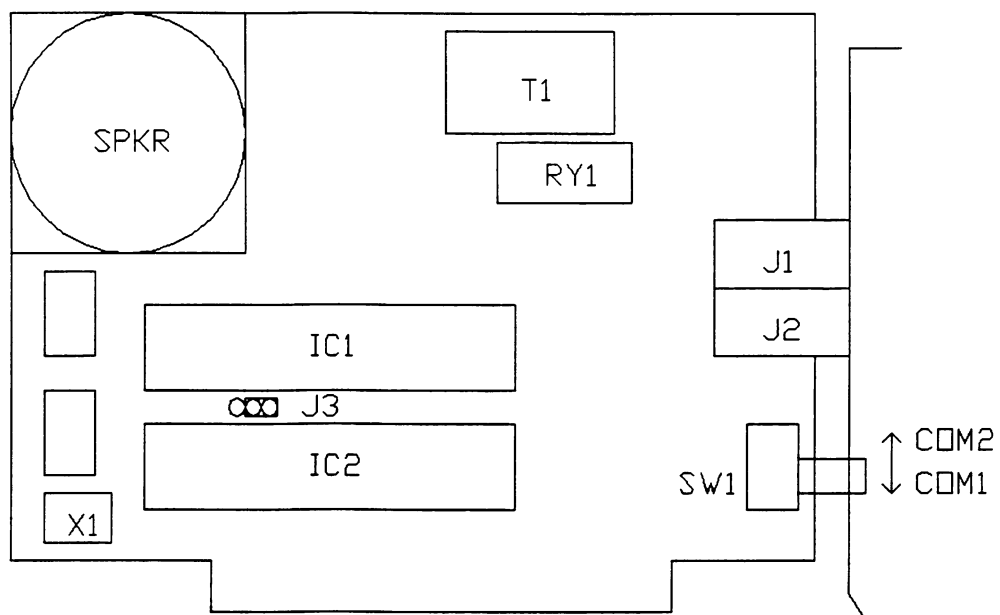


Figure 281. 1200 Baud Internal Modem Board Revision F

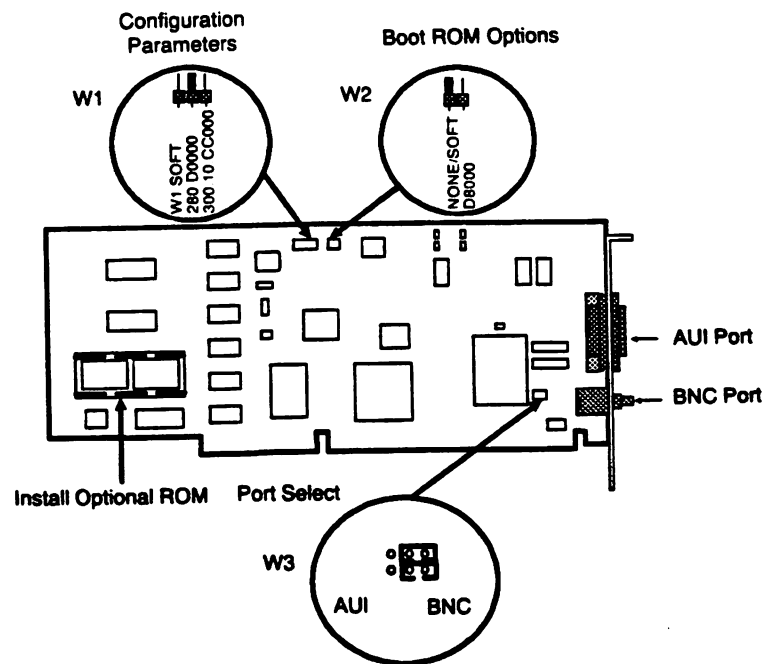


Figure 282. Tandy Ethernet Plus Adapter Board

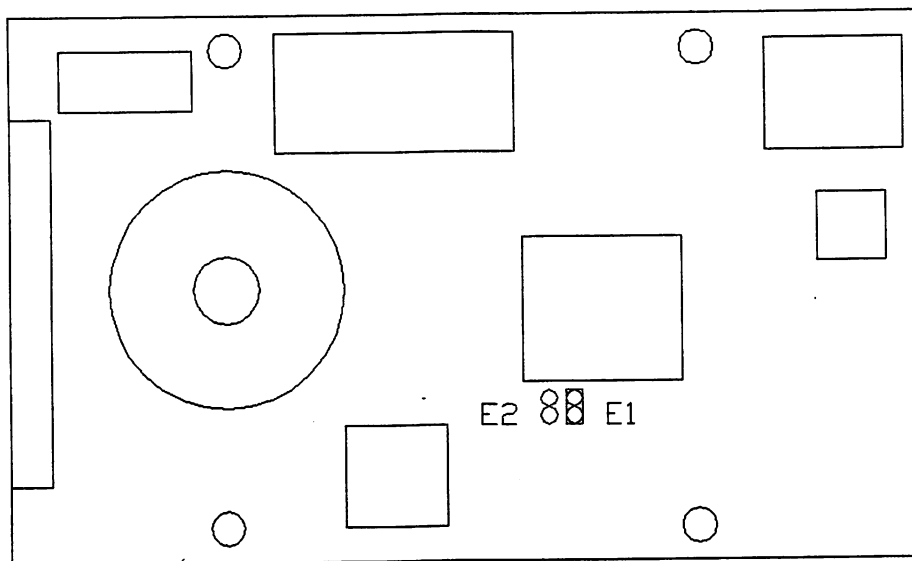
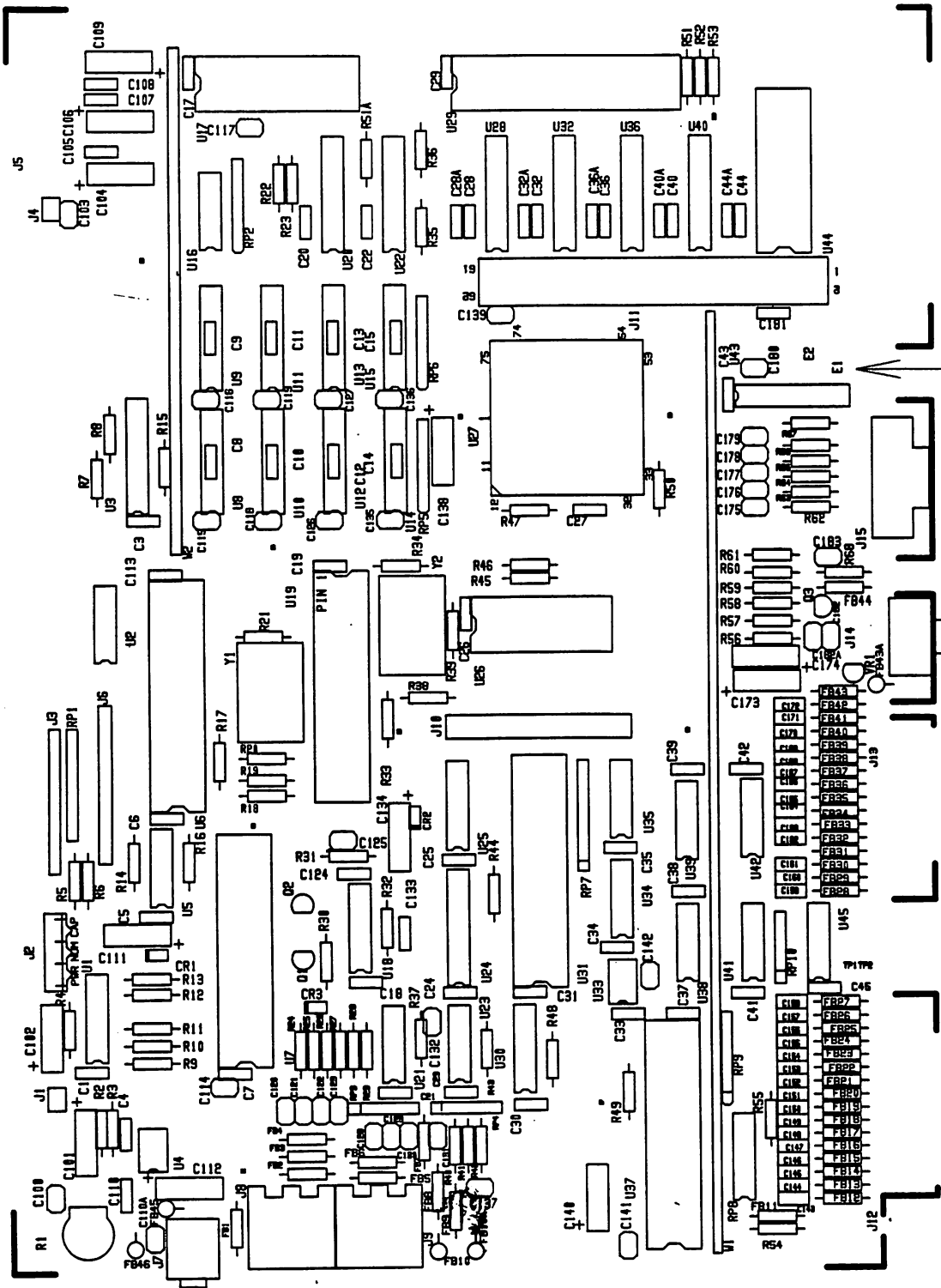


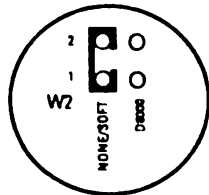
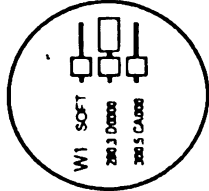
Figure 283. Conner CP-2064 60 Meg IDE Hard Drive



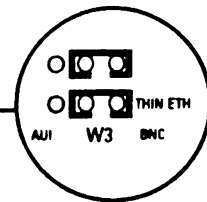
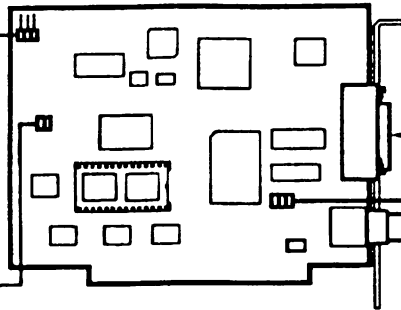
E1-E2
See Text

Figure 284. Tandy 1000 EX Main Logic Board Revision D

W1 - Configuration Parameters



W2 - Boot ROM Options



W3 - Network Type Options

Figure 285. Tandy Etherlink Board (25-5505A/B)

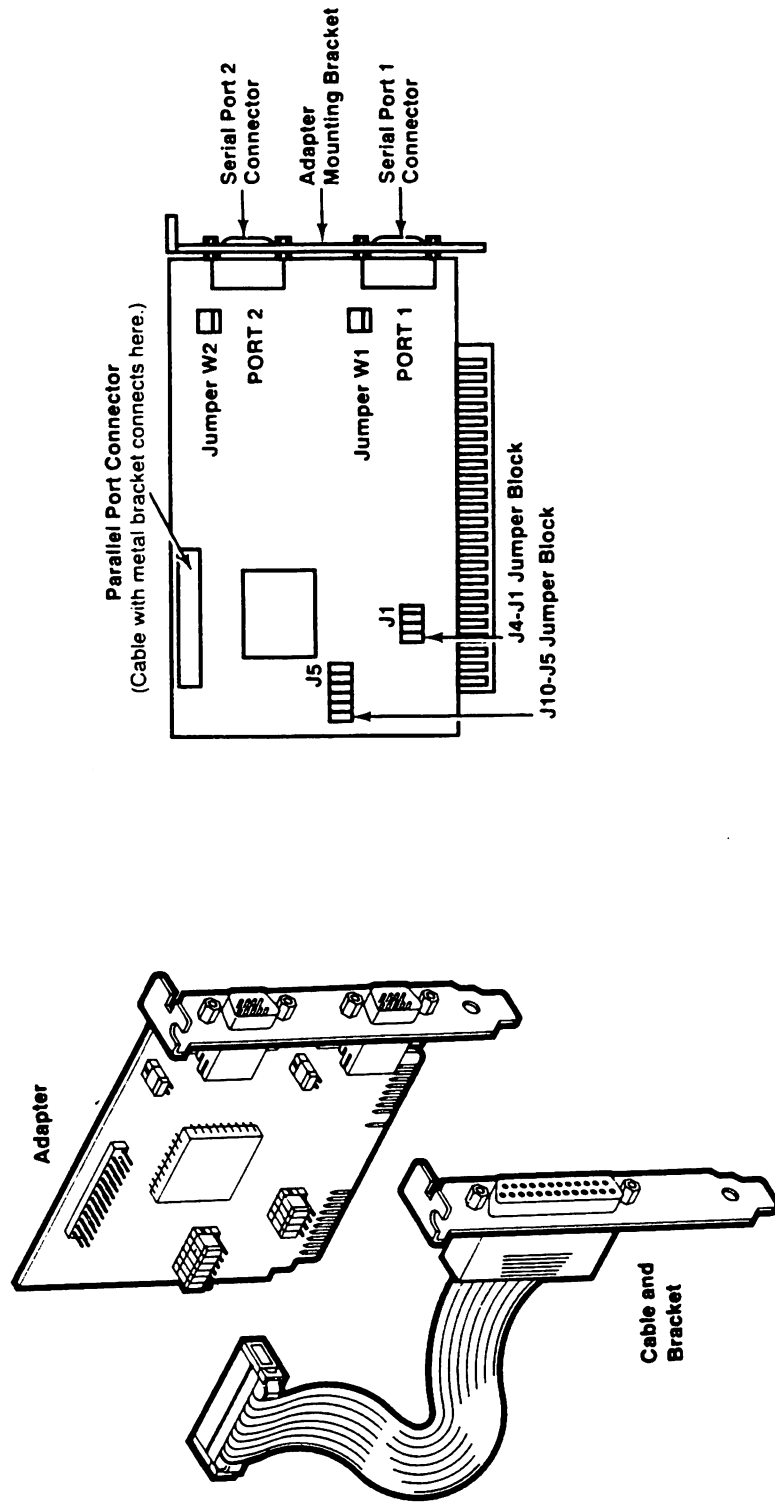


Figure 286. Dual Serial/Parallel Board (25-4025)

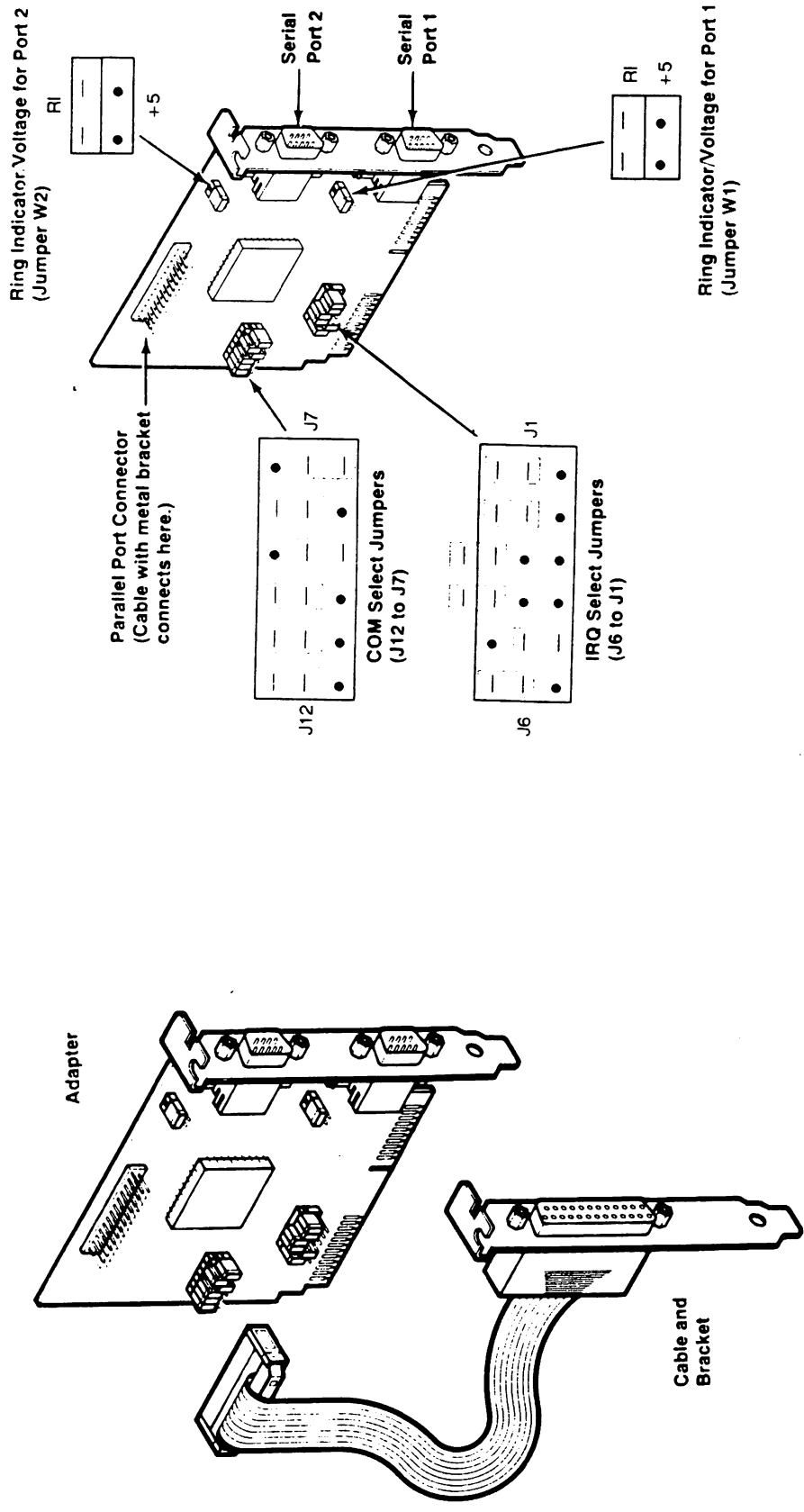


Figure 287. Dual Serial/Parallel Board (25-4025A)
Shown set to Factory Defaults (See Text)

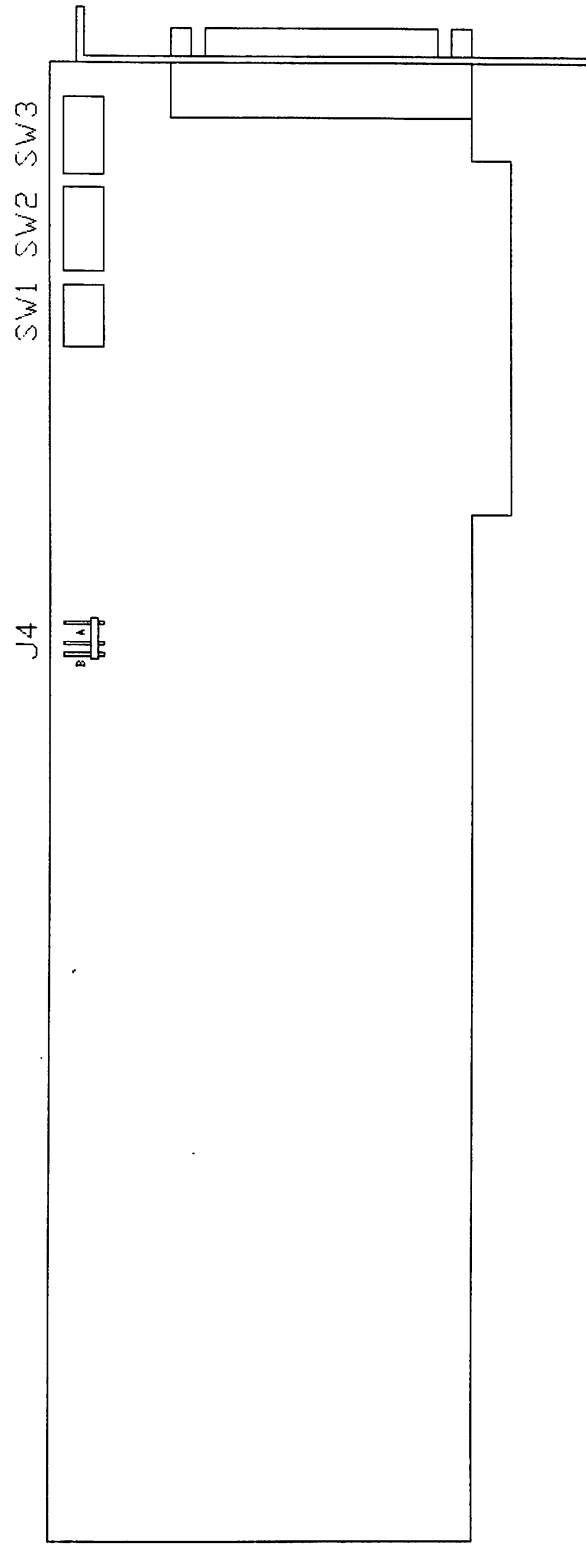


Figure 288. ARNET Multipoint 4 Port Board

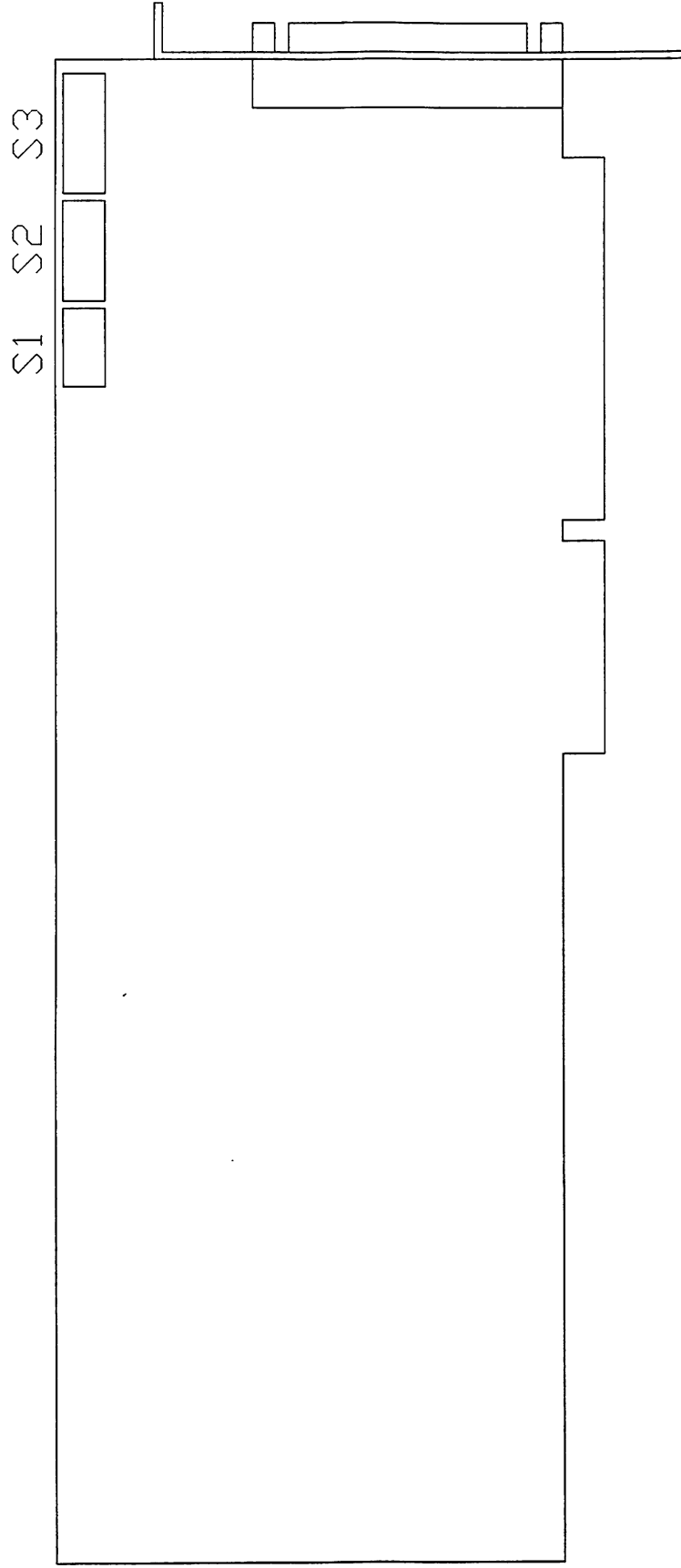


Figure 289. ARNET Octaport 8 Port Board

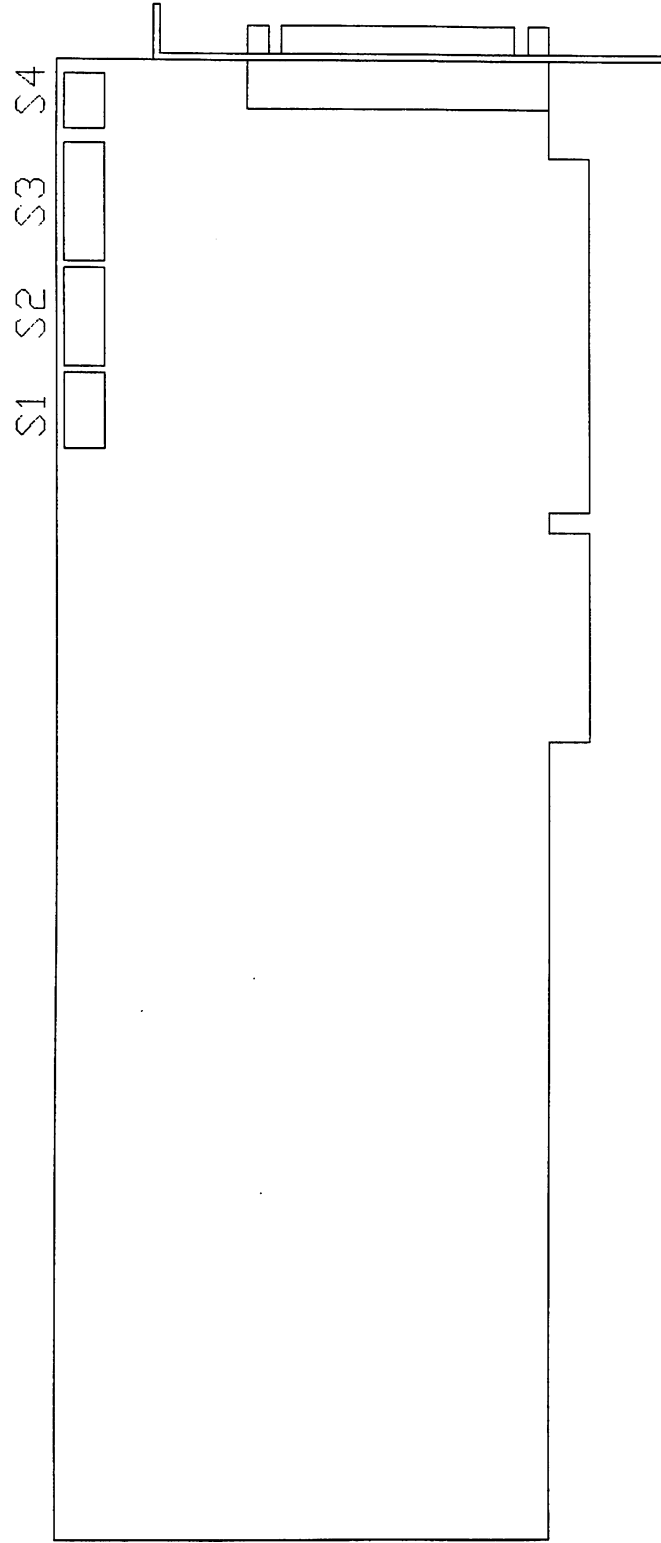


Figure 290. ARNET Smartport 16 Port Board

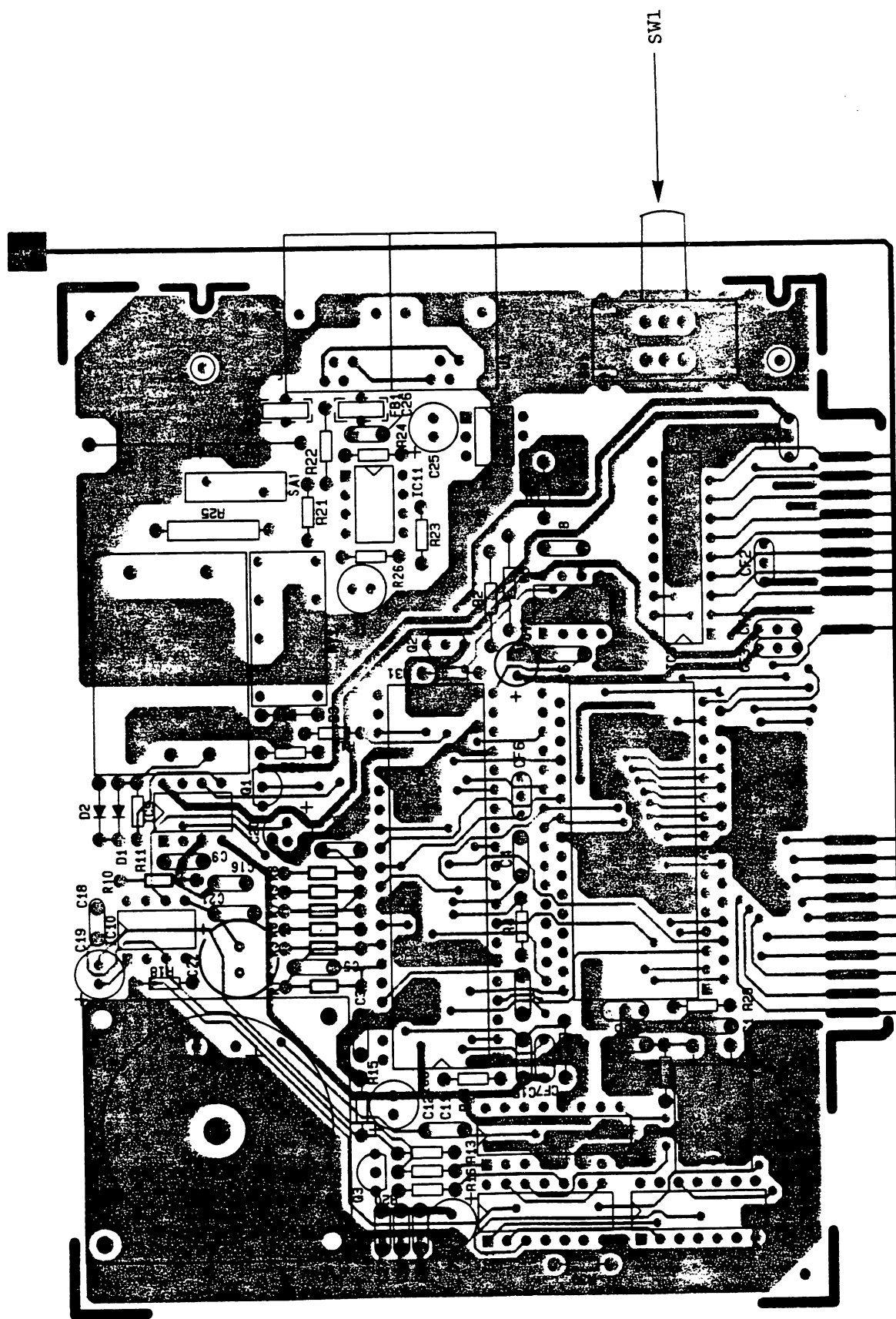


Figure 291. 2400 bps Internal Modem Board Revisions B/C

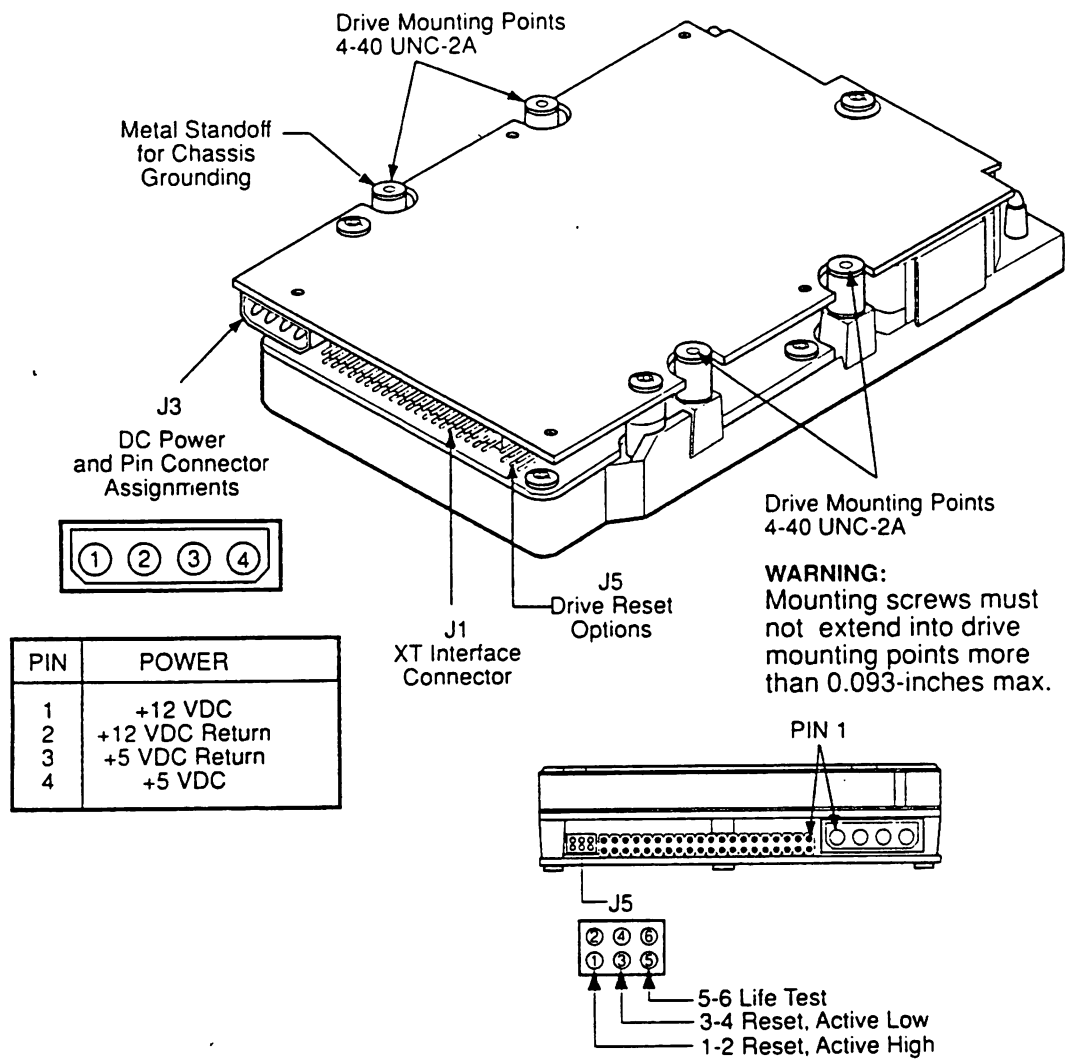


Figure 292. Seagate ST-325X 20 Meg XT IDE Hard Drive

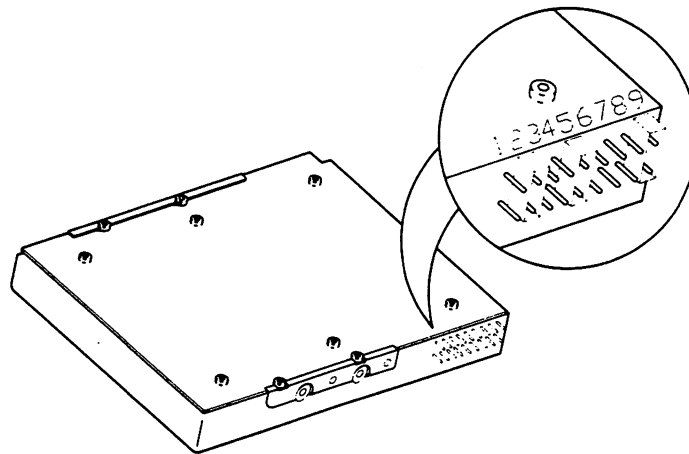


Figure 293. Seagate ST-351A/X 40 Meg XT/AT IDE Hard Drive

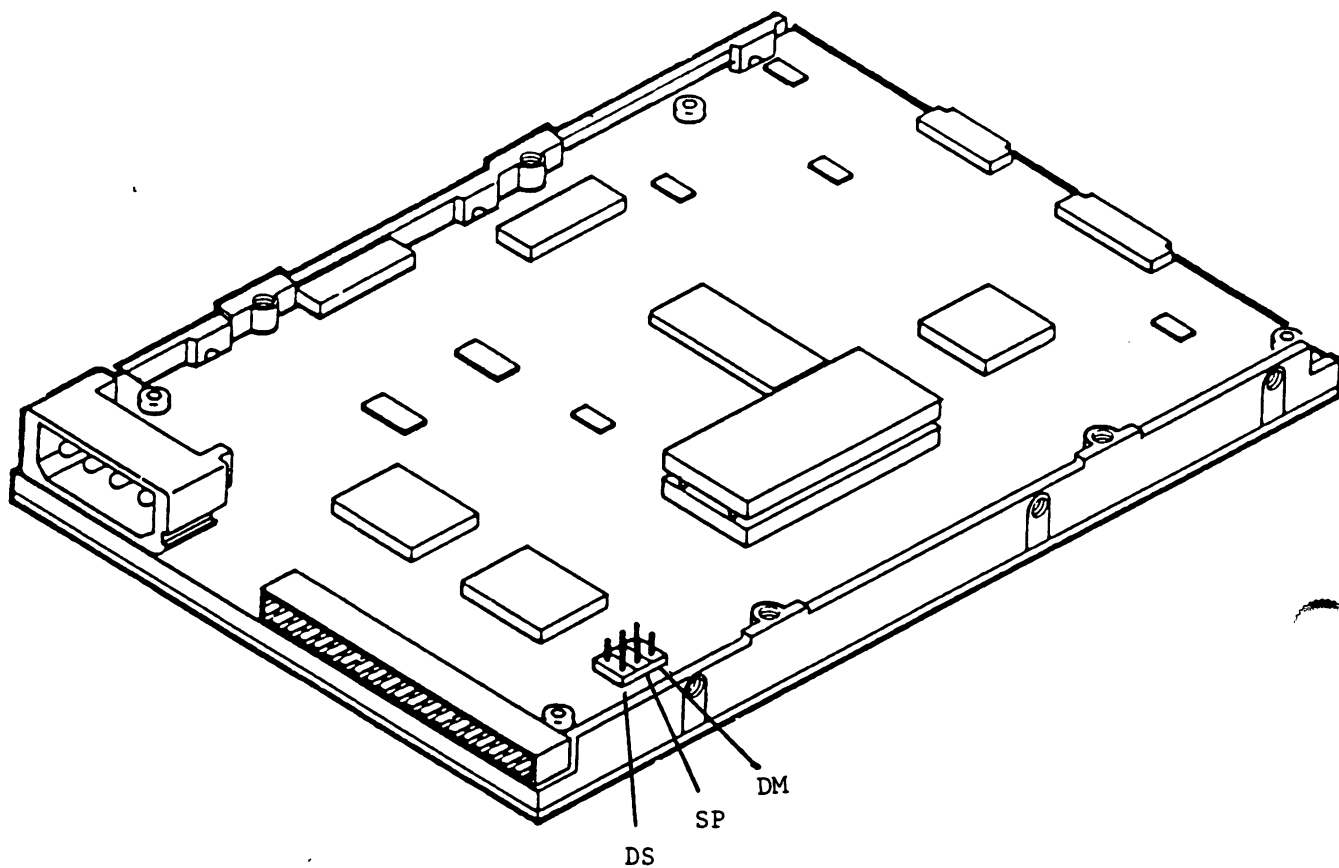


Figure 294. Quantum LPS52 52 Meg Smart Drive
Quantum LPS105 105 Meg Smart Drive

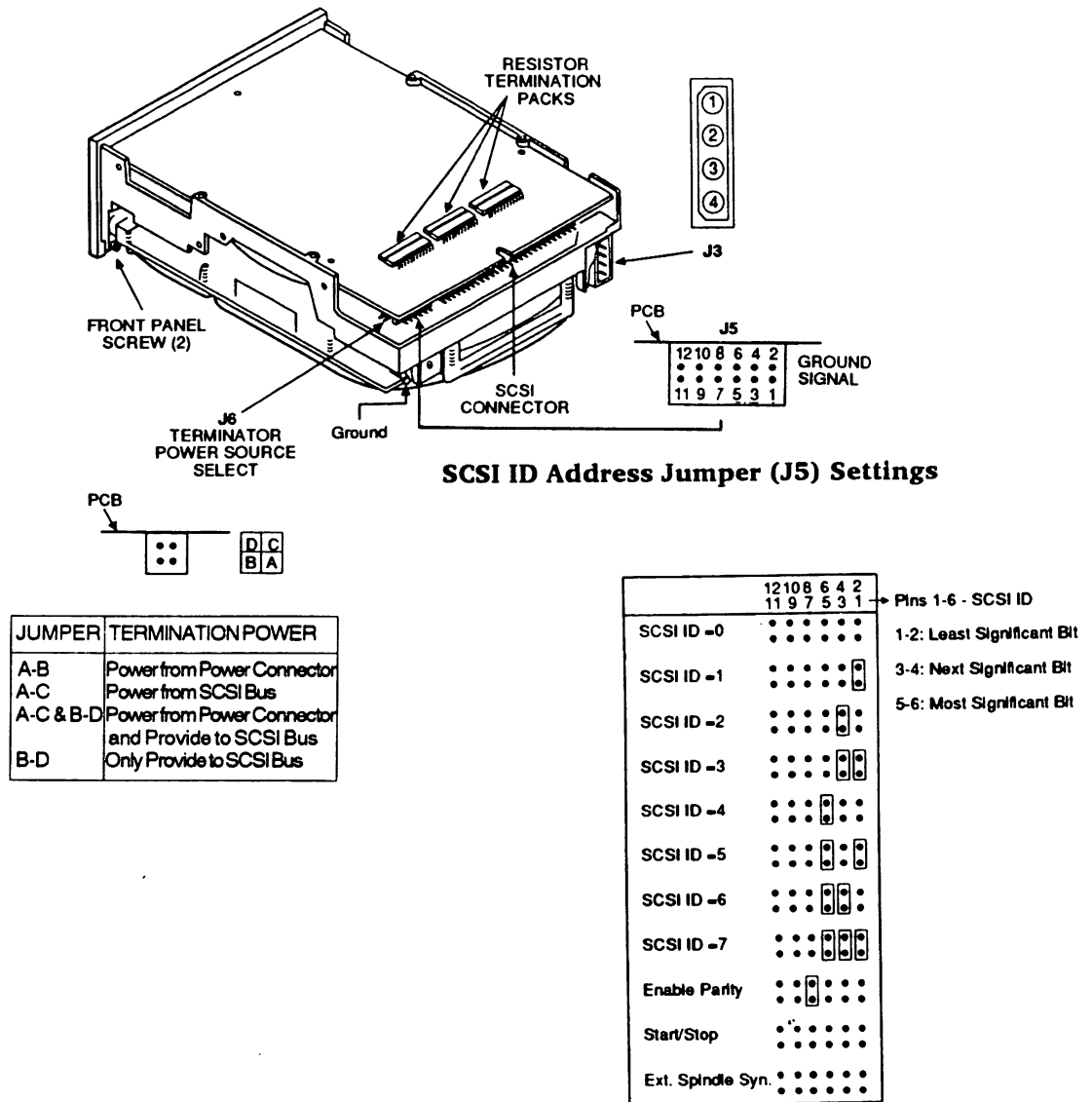


Figure 295. 202 Meg SCSI Hard Drive

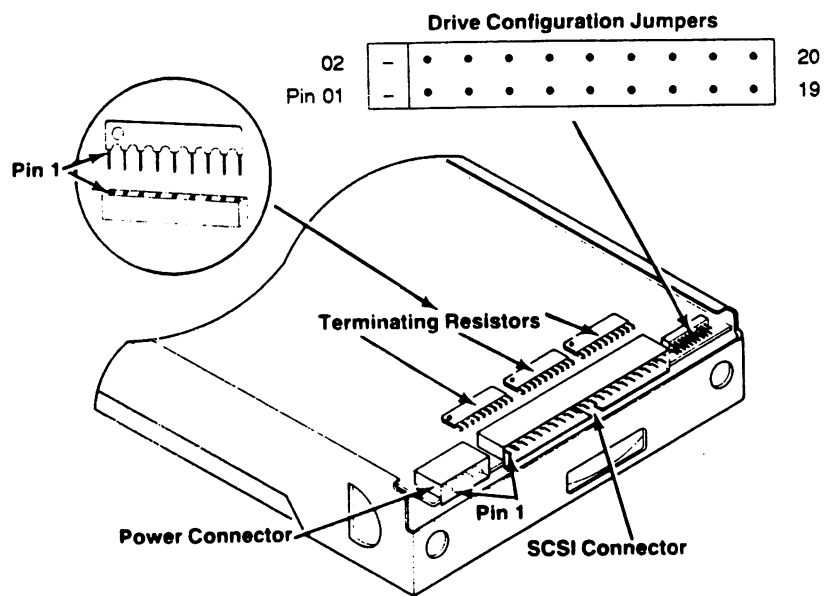
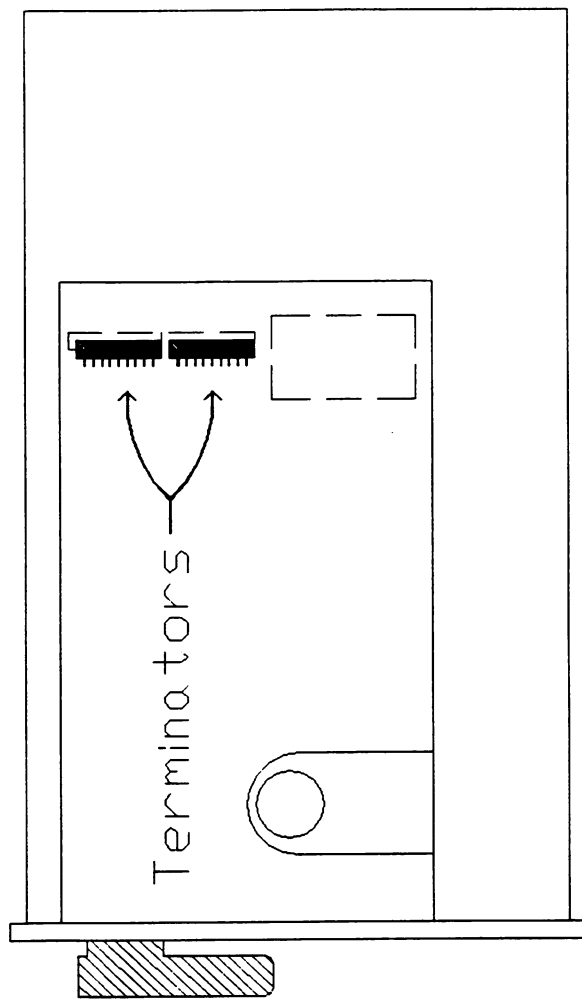
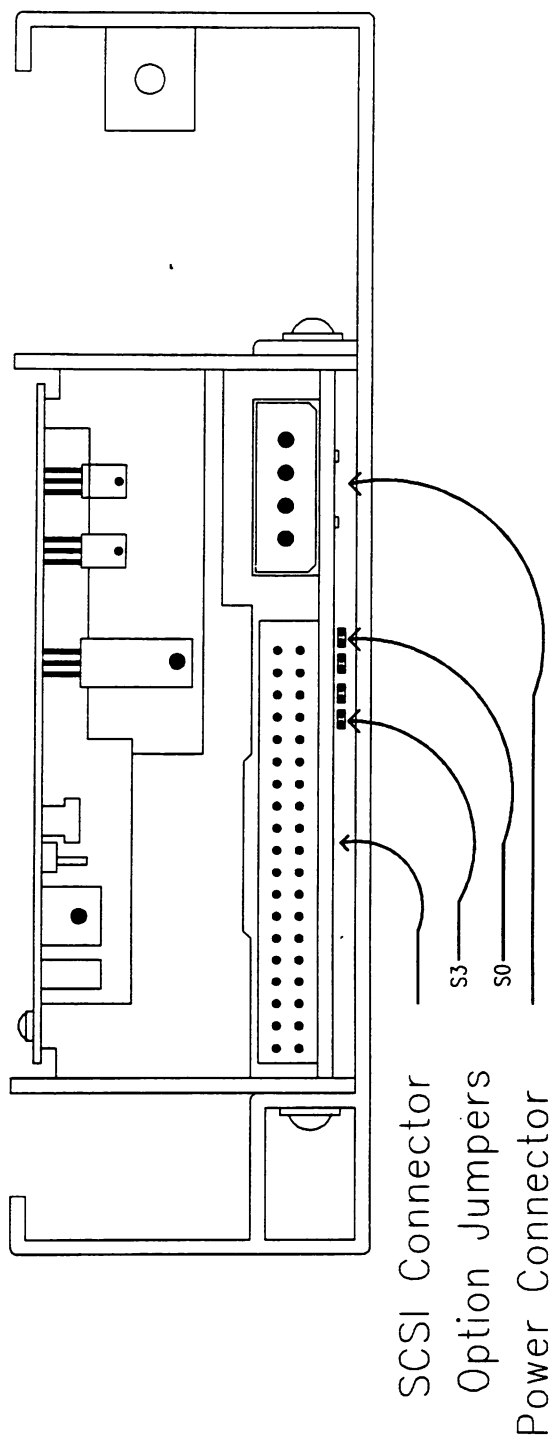
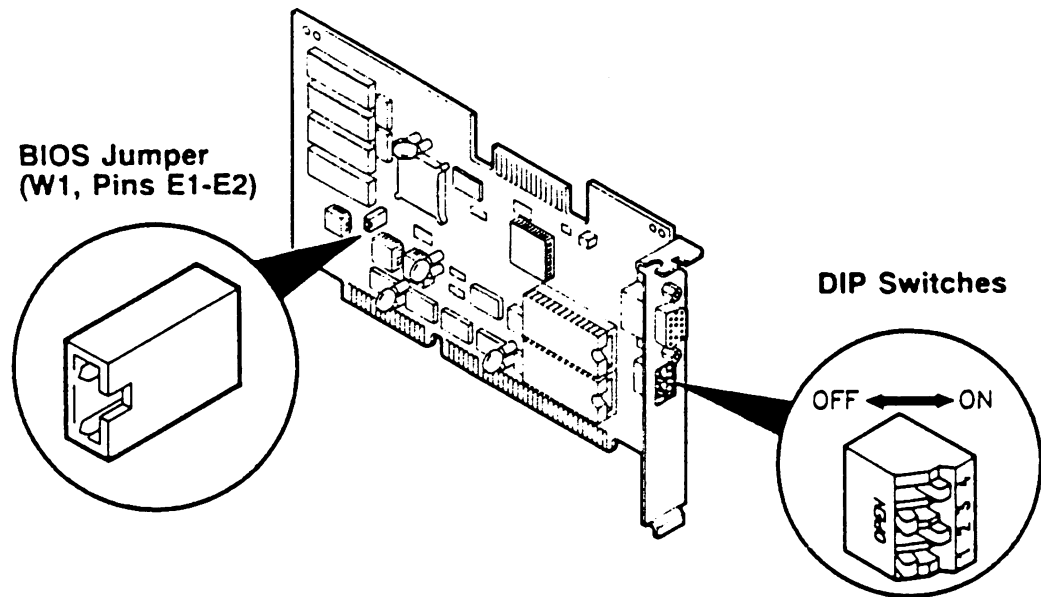


Figure 296. 440 Meg SCSI Hard Drive



Bottom View

Figure 297. 160 Meg SCSI Tape Drive



Explanations of the factory settings are listed in the following table:

Jumper/ Switch	Factory Setting	Explanation
W1	Jumper installed	Enables normal operation using AutoSense
Switch 1	OFF	Enables standard PS/2-compatible fixed-frequency display timing
Switch 2	ON	Selects PS/2-style as the manner of mode switching; makes all VGA modes available on any monitor
Switch 3	OFF	Not used
Switch 4	ON	Enables 16-bit video memory data path and uses AutoSense for 16-bit BIOS

Figure 298. 16 Bit Super VGA Video Adapter Board

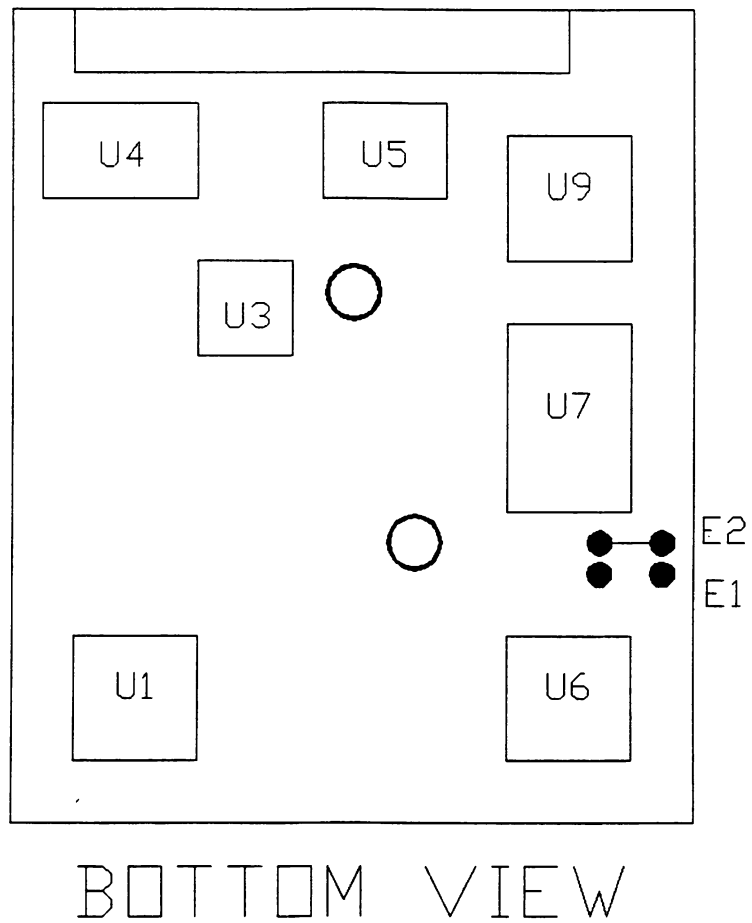


Figure 299. Conner CP-2024 20 Meg IDE Hard Drive

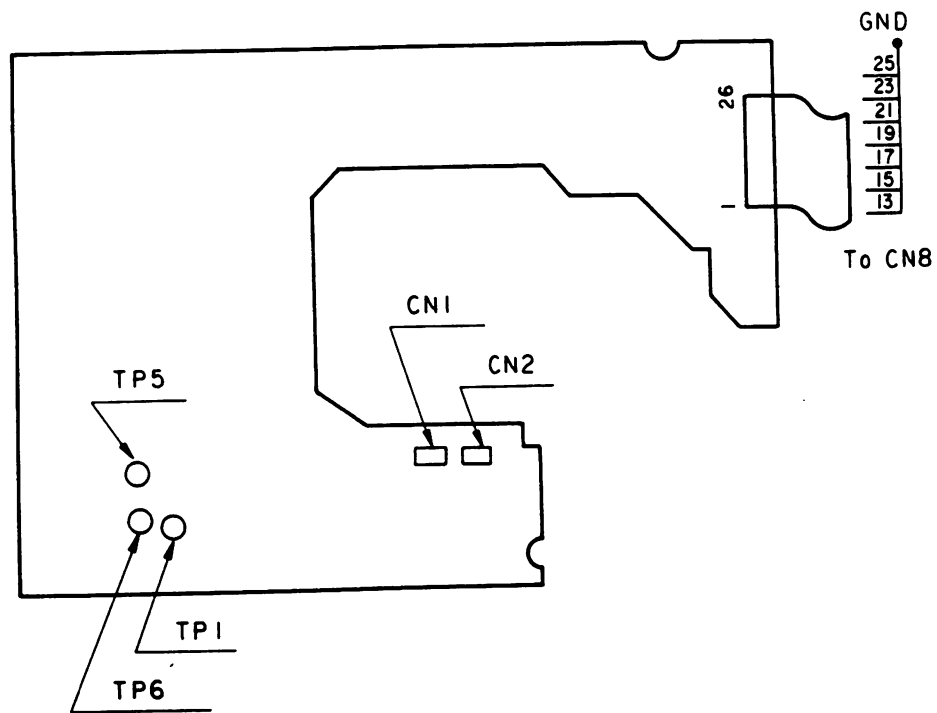


Figure 3000. Matsushita EME-263MG 3 1/2 inch 1.44MEG Floppy Drive

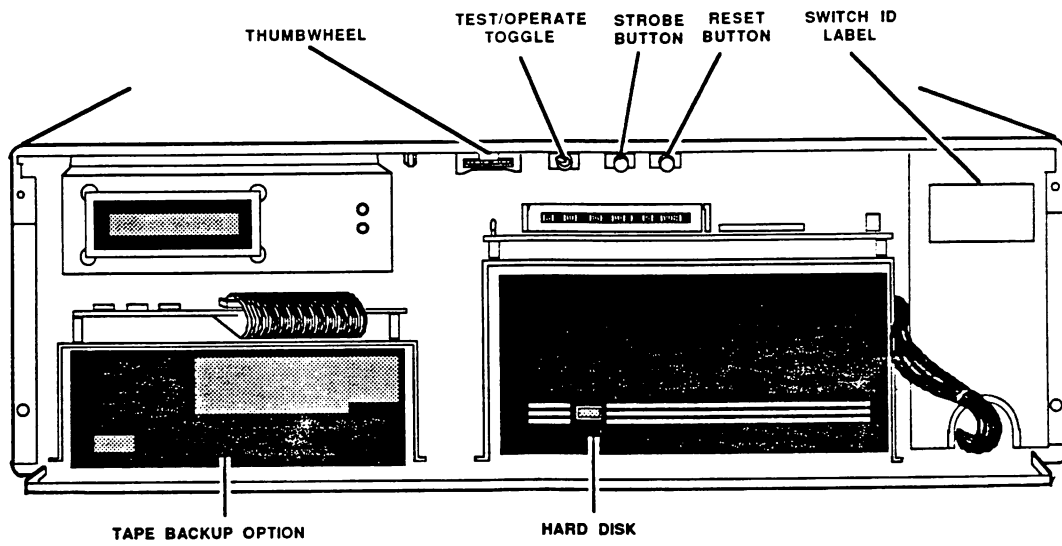
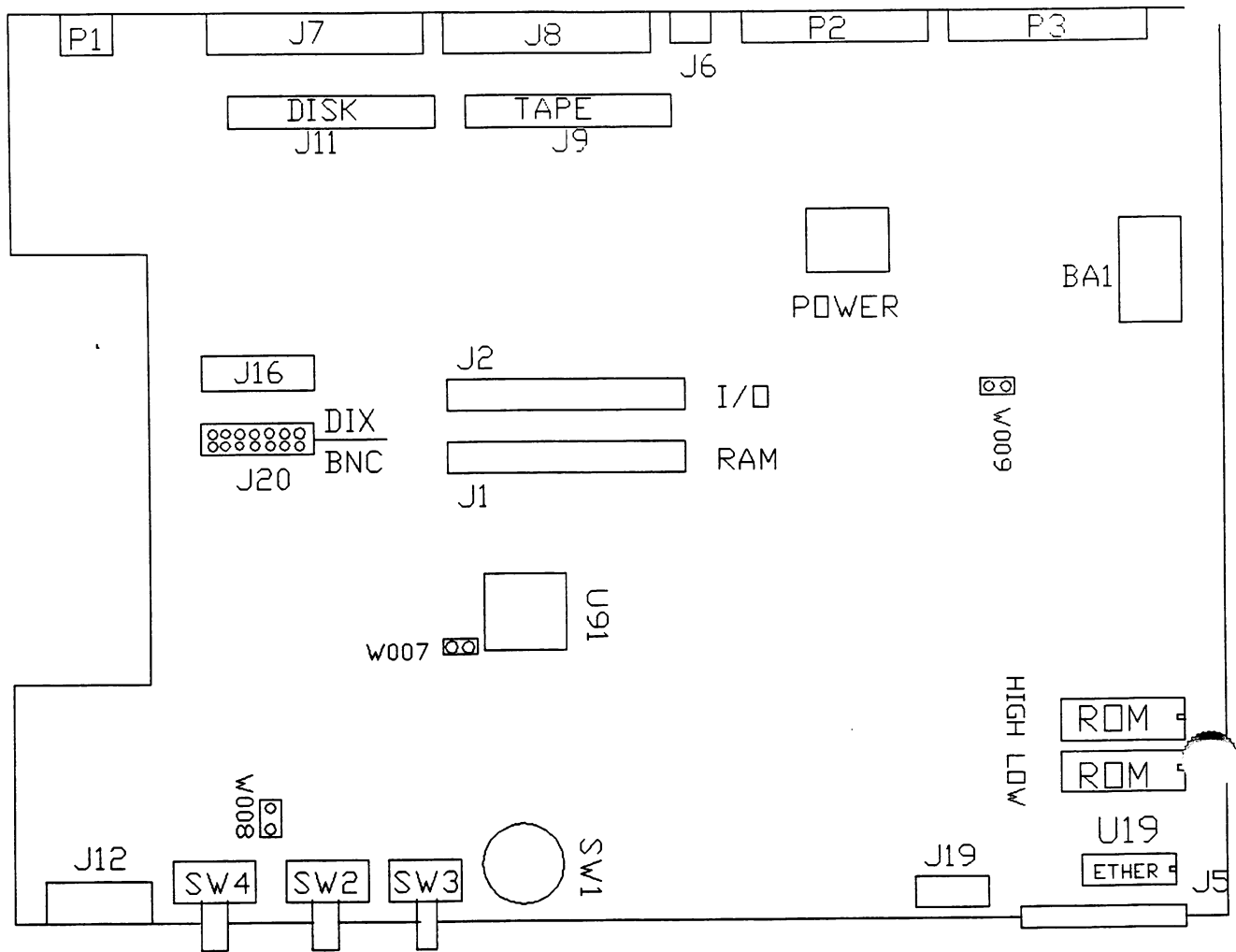


Figure 301. 3SERVER3 Main Unit/Control Panel



3SERVER3

Figure 302. 3SERVER3 Main Logic Board

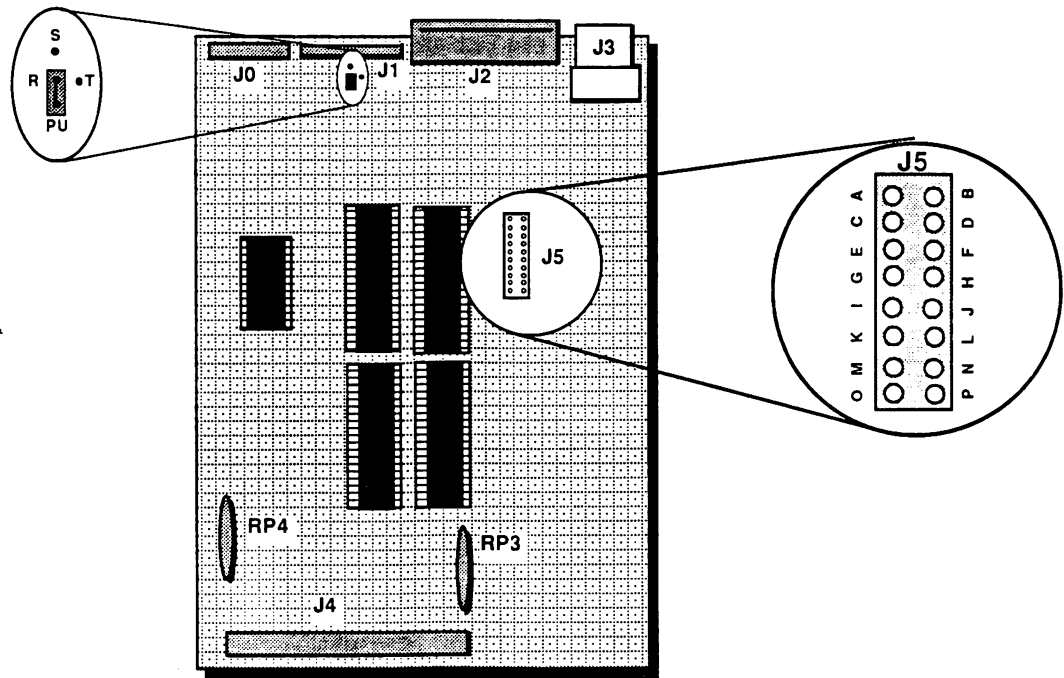


Figure 303. 3SERVER3 Disk Drive Controller Board

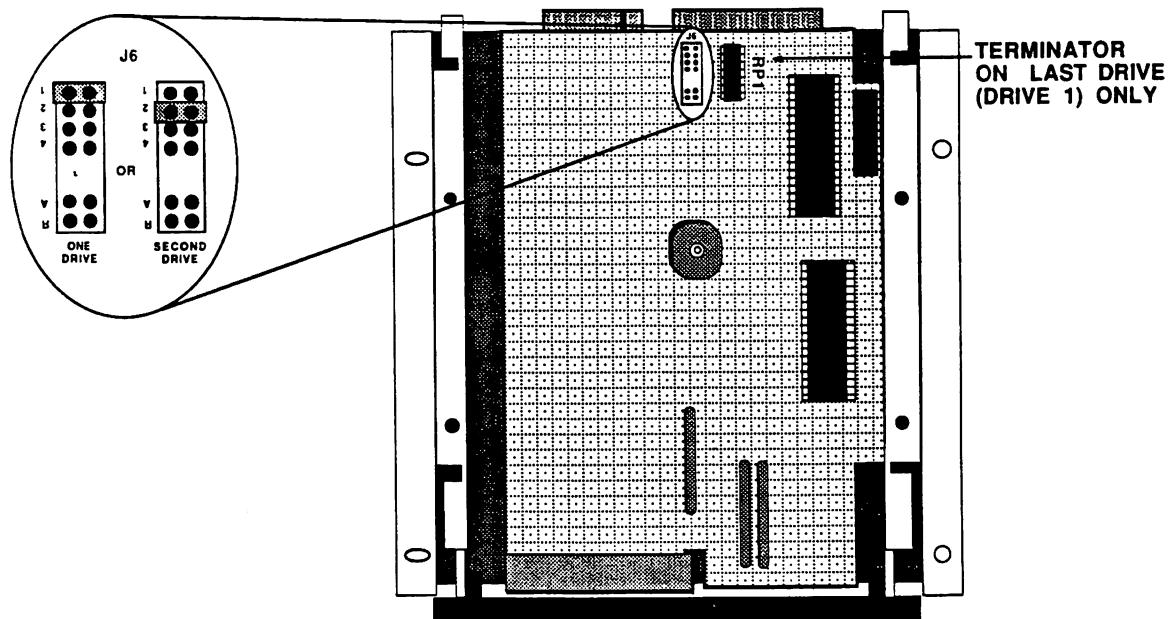


Figure 304. 3SERVER3 Priam Hard Disk Drive

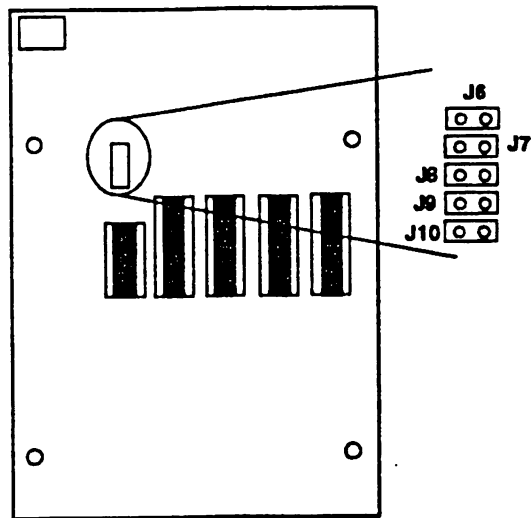
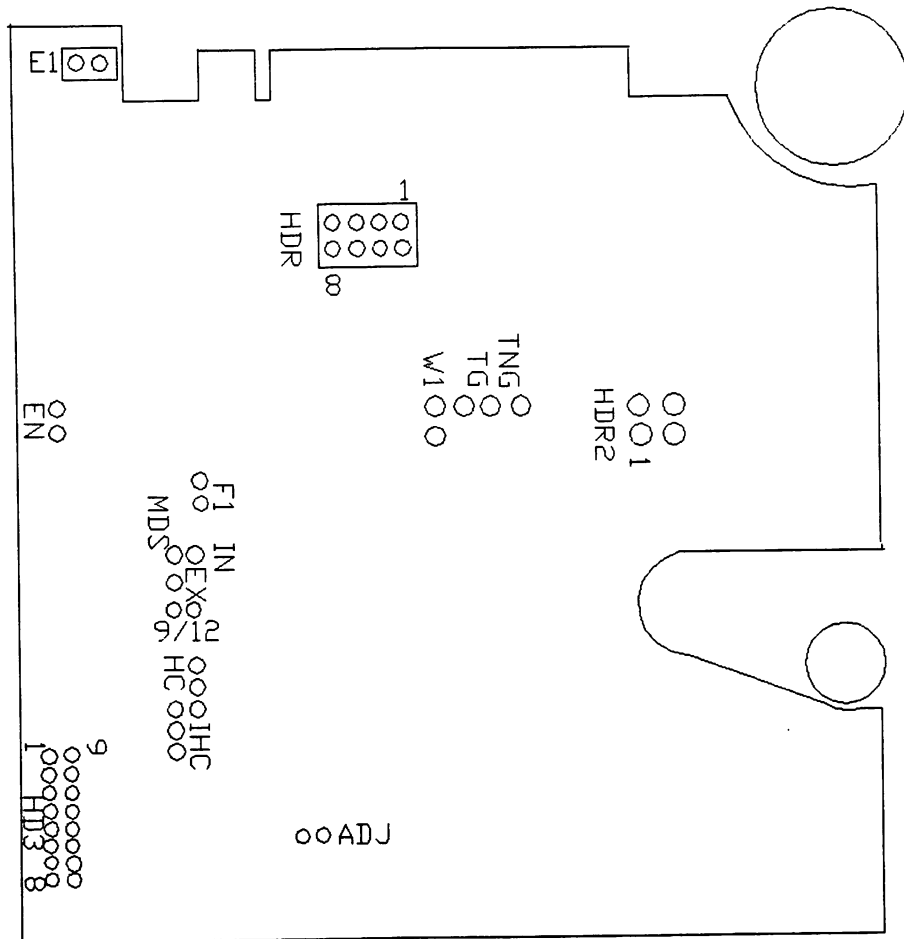


Figure 305. 3SERVER3 Tape Drive Controller Board



WANGTEK 5099EN24

Figure 306. 3SERVER3 Wangtek Tape Drive

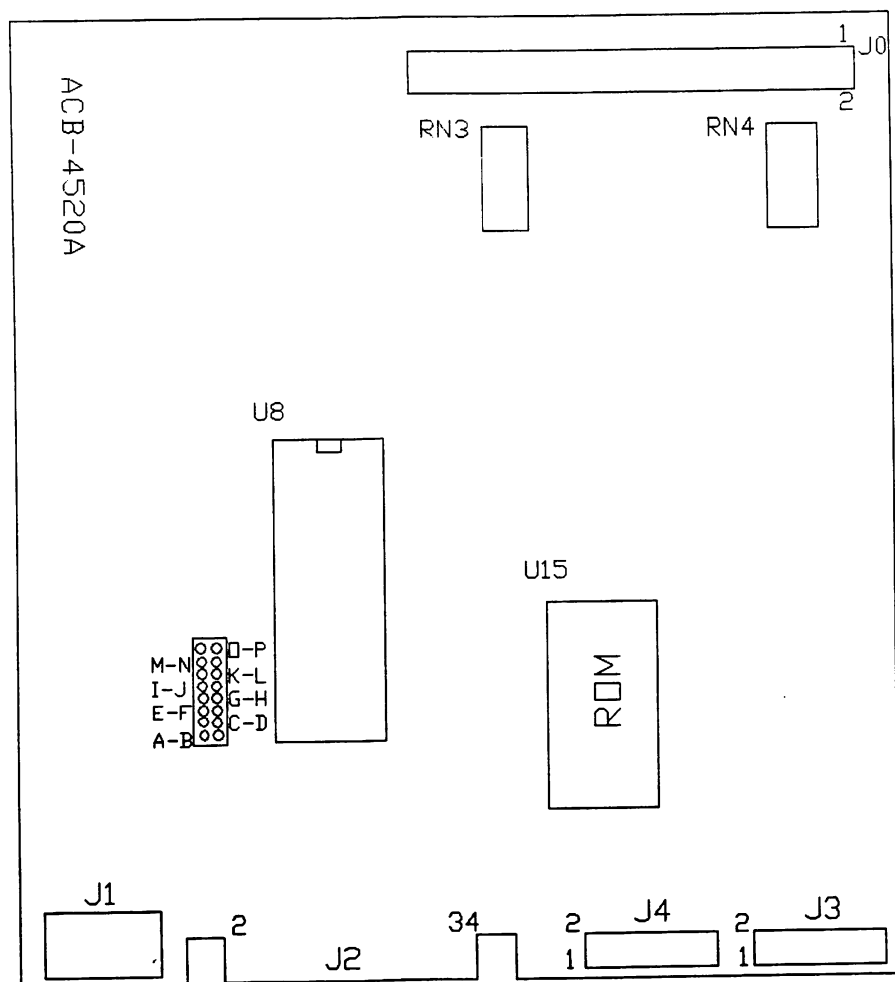


Figure 309. 3S/401 Hard/Tape Drive Controller Board

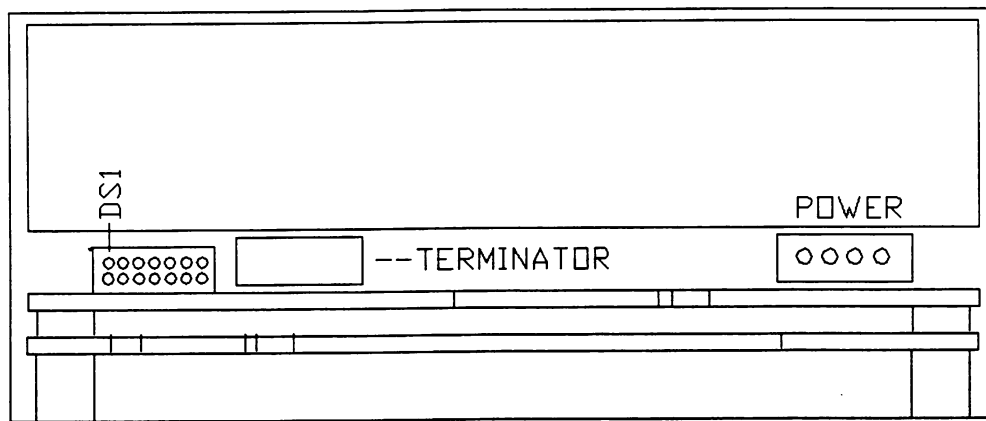


Figure 310. 3S/401 CDC Hard Drive

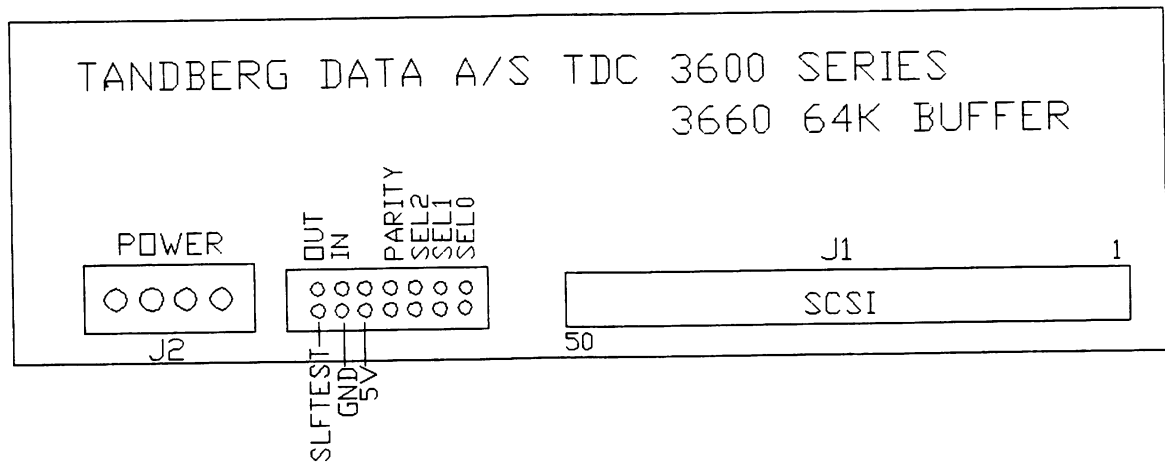
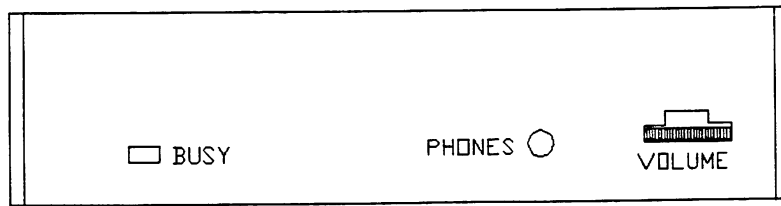
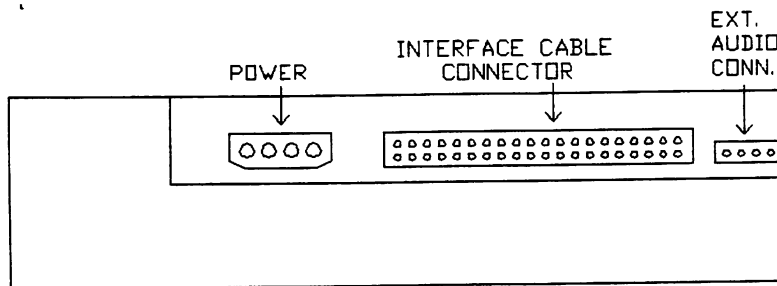


Figure 311. 3S/401 Tandberg Tape Drive

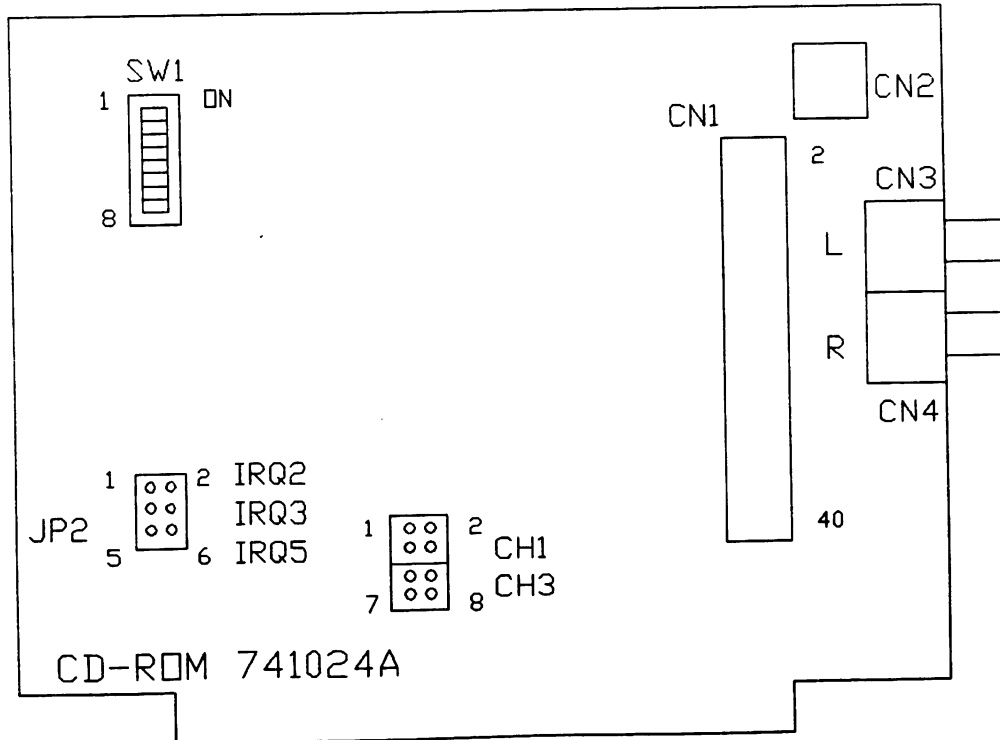
FRONT VIEW



REAR VIEW

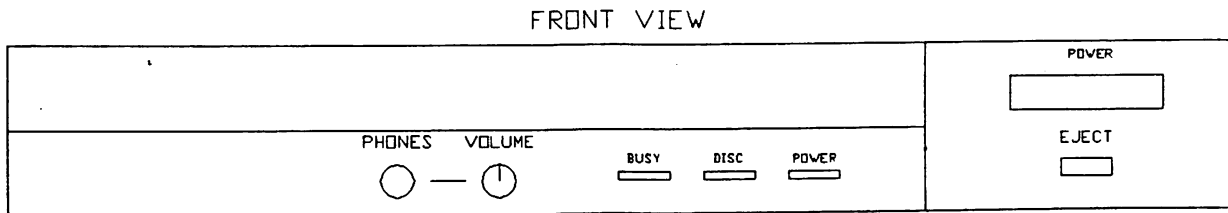
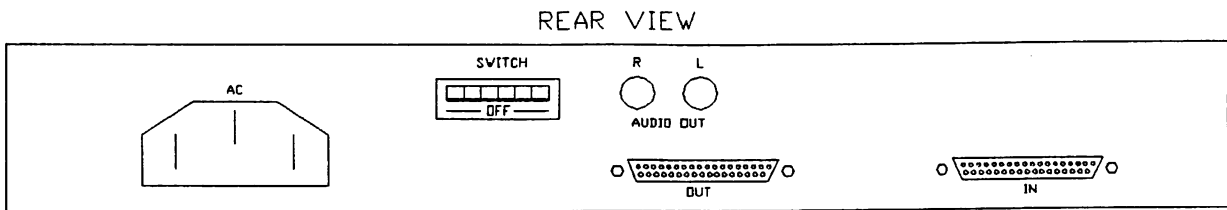


CD-ROM Drive

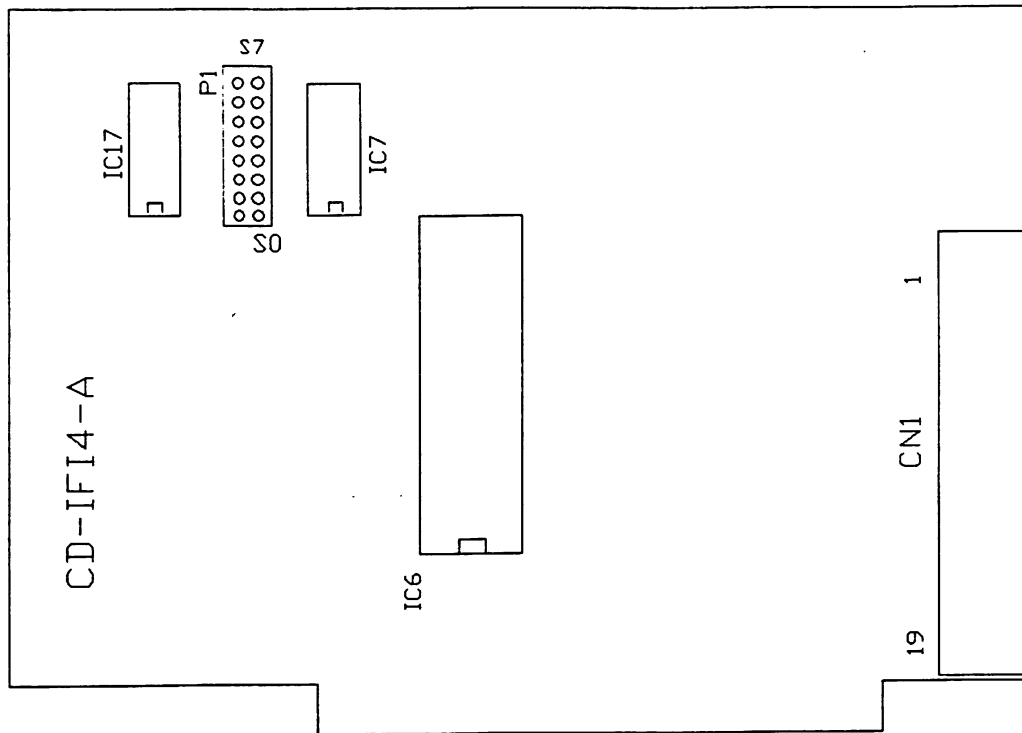


Interface Board

Figure 312. Mitsumi CDR-1000/A CD-ROM Drive and Interface

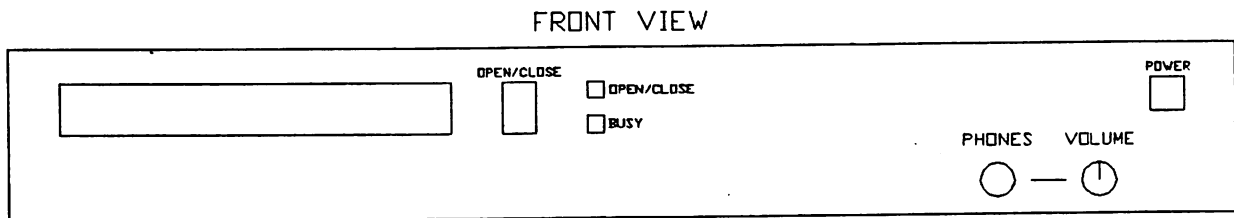
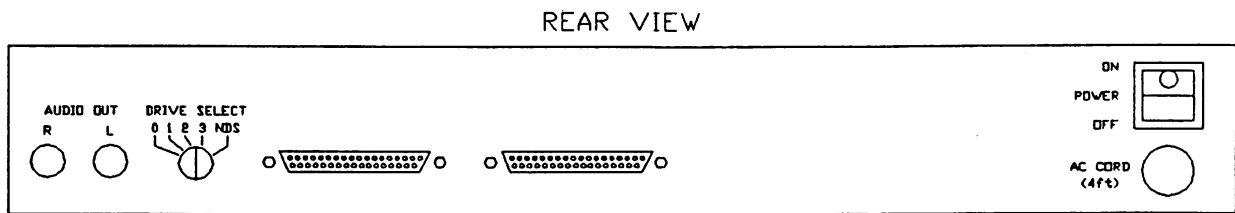


CD-ROM Drive

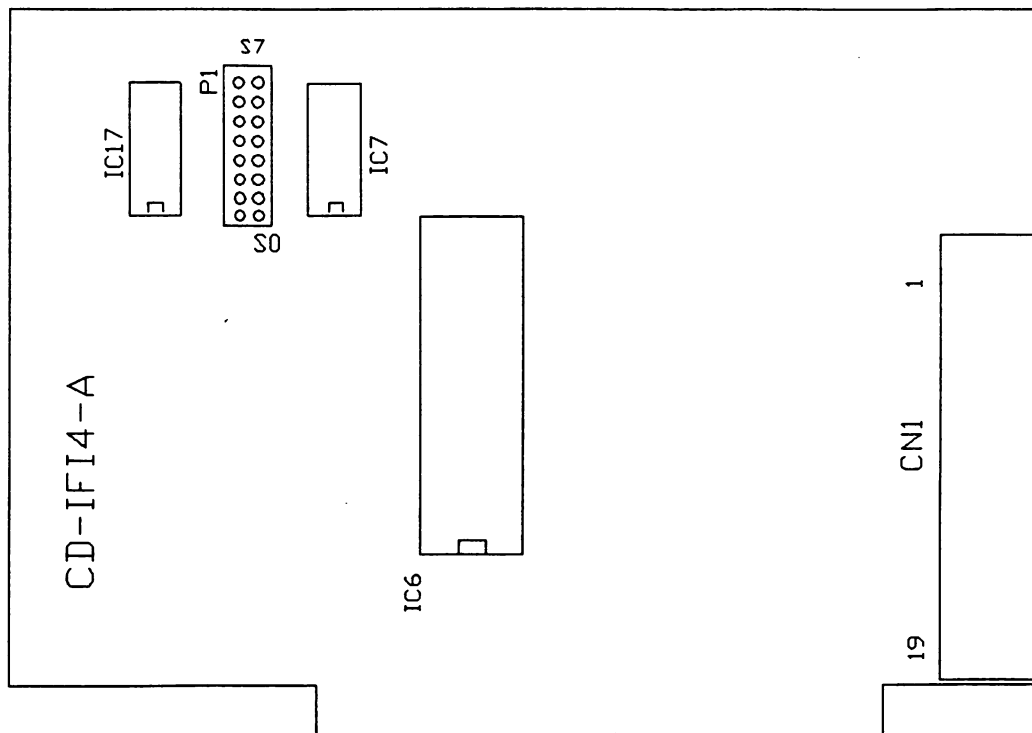


Interface Board

Figure 313. Hitachi External CD-ROM Drive 1700S (90-2156)
Hitachi External CD-ROM Drive Interface Board



CD-ROM Drive



Interface Board

Figure 314. Hitachi External CD-ROM Drive 1503S (903-2376)
Hitachi External CD-ROM Drive Interface Board

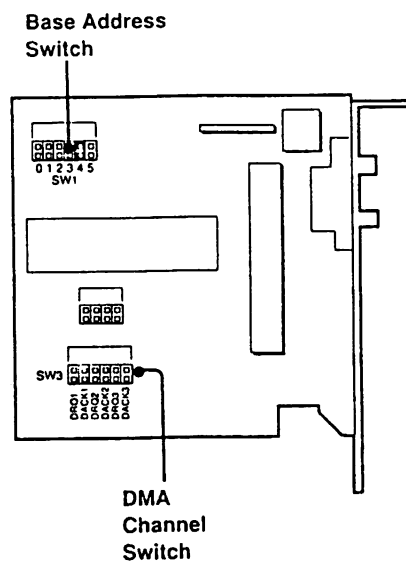
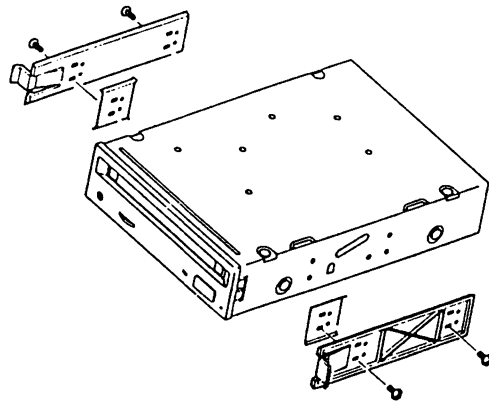


Figure 315. Sony CDR-1501 CD-ROM Drive and Interface

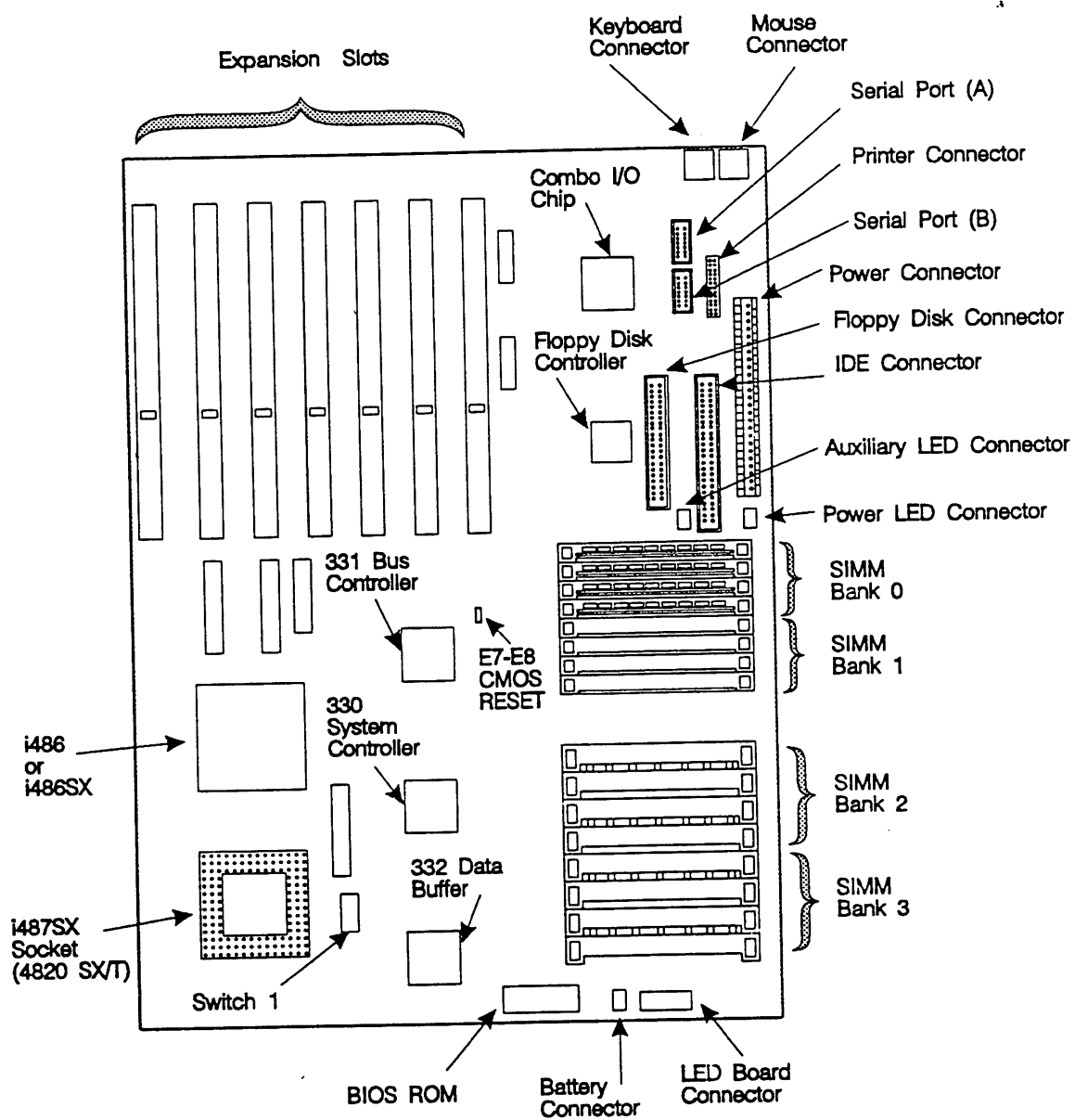


Figure 316. Tandy 4820SX/T, 4833LX/T, and 4866LX/T Main Logic board

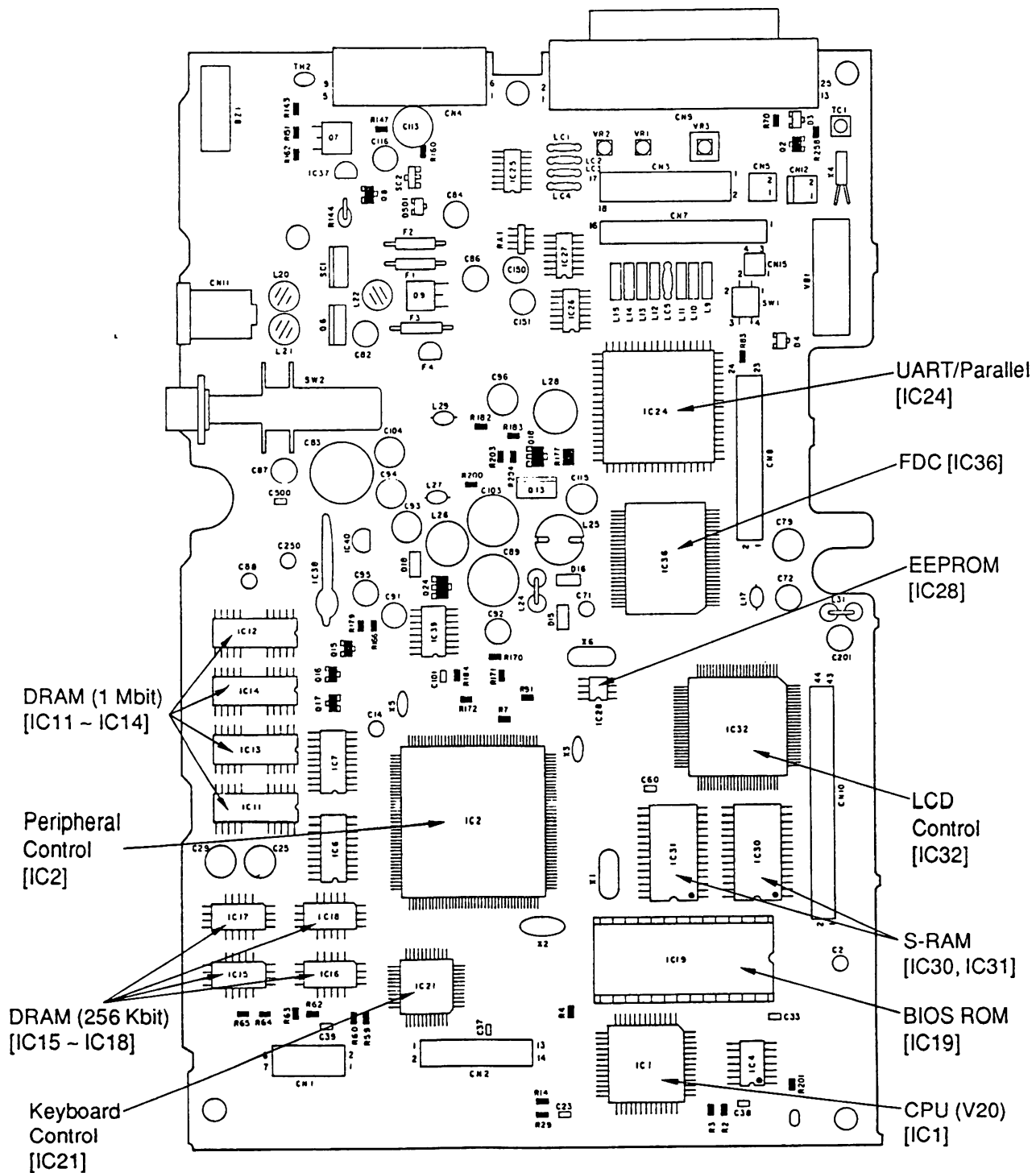


Figure 317. 1110HD Main Logic Board

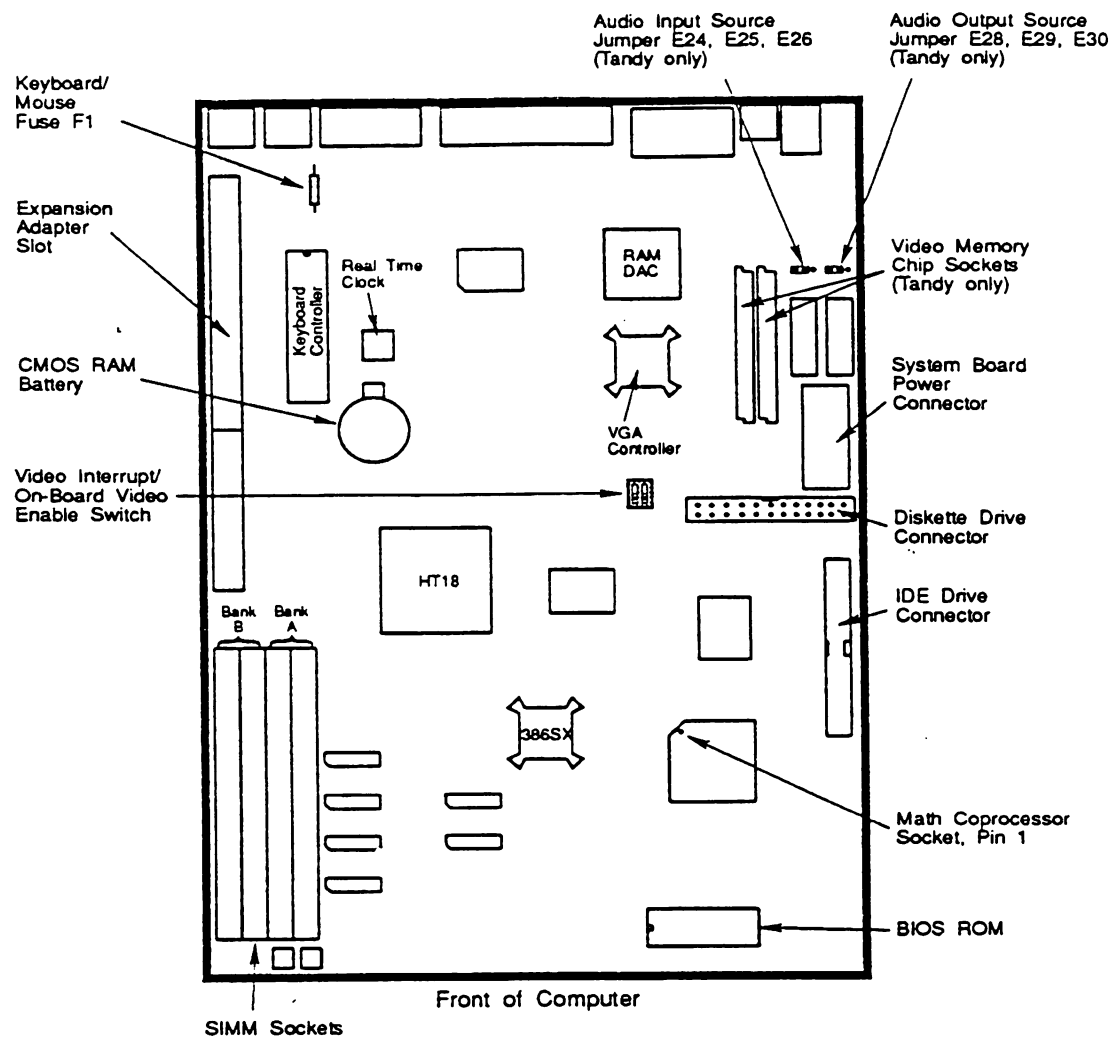


Figure 318. 2500SX/25 Main Logic Board

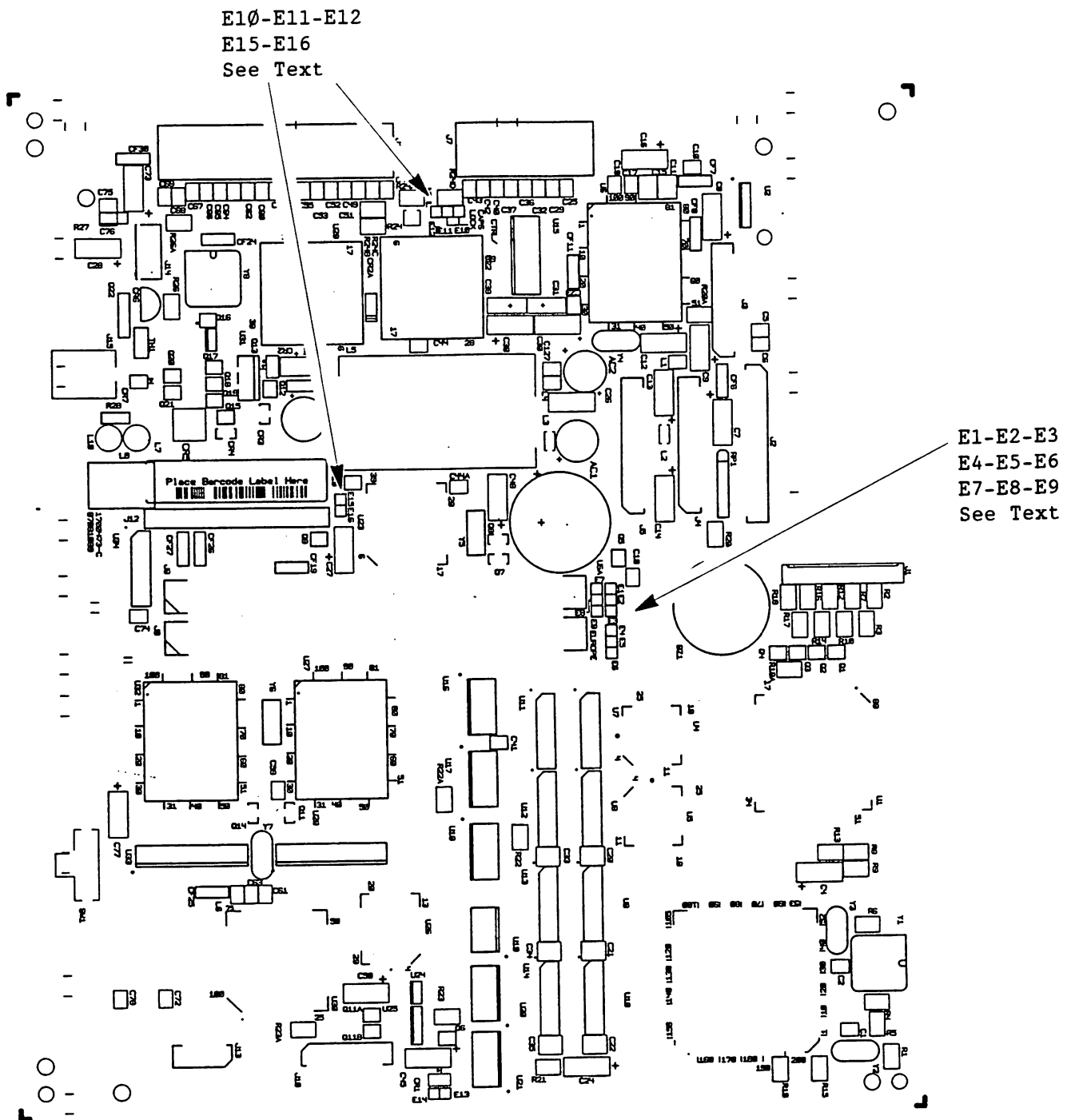


Figure 319. Tandy 1800HD Main Logic Board

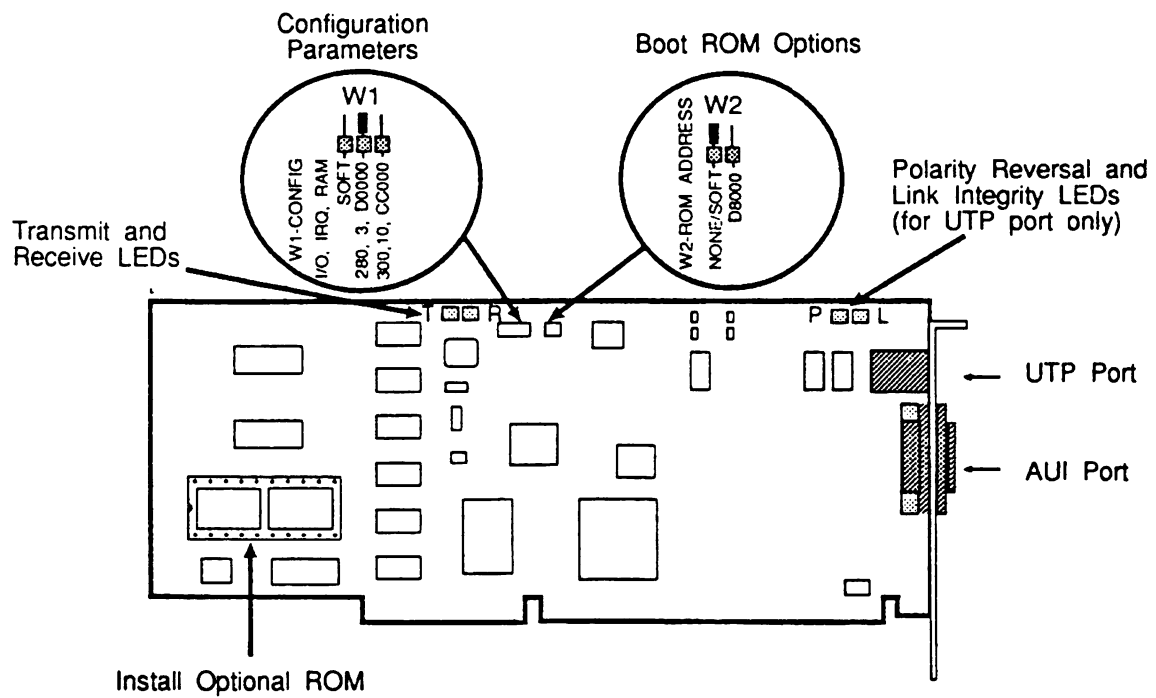
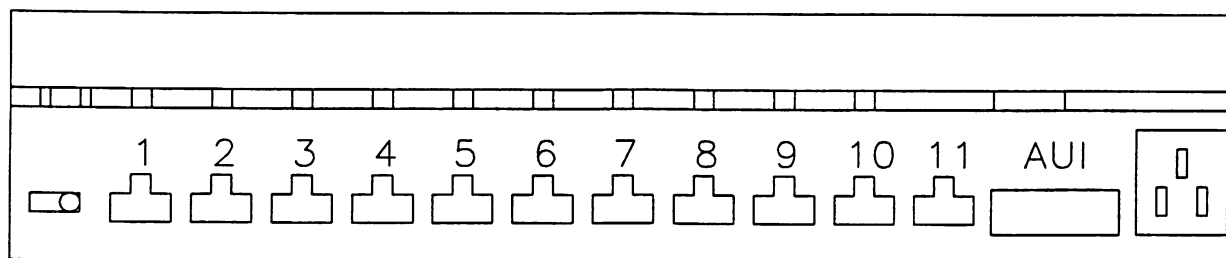


Figure 320. Tandy Ethernet Plus-16 Twisted Pair Adapter



FRONT VIEW

Figure 321. Ethernet 12 Port Twisted Pair Hub

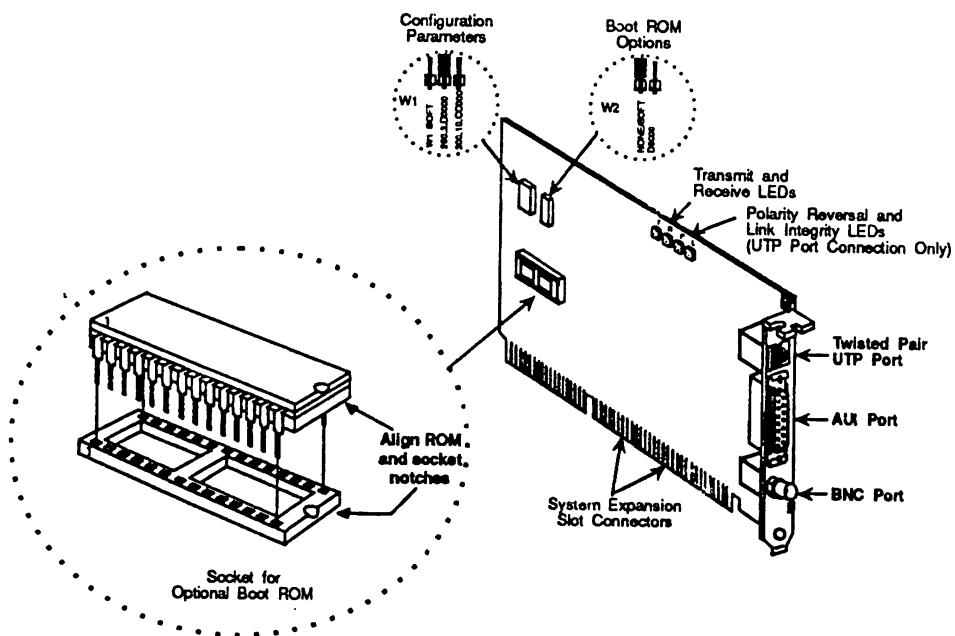


Figure 322. Western Digital Combo Board

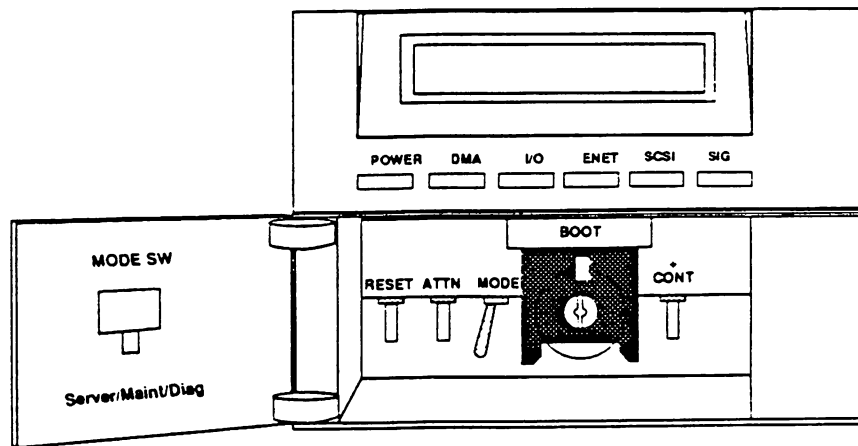
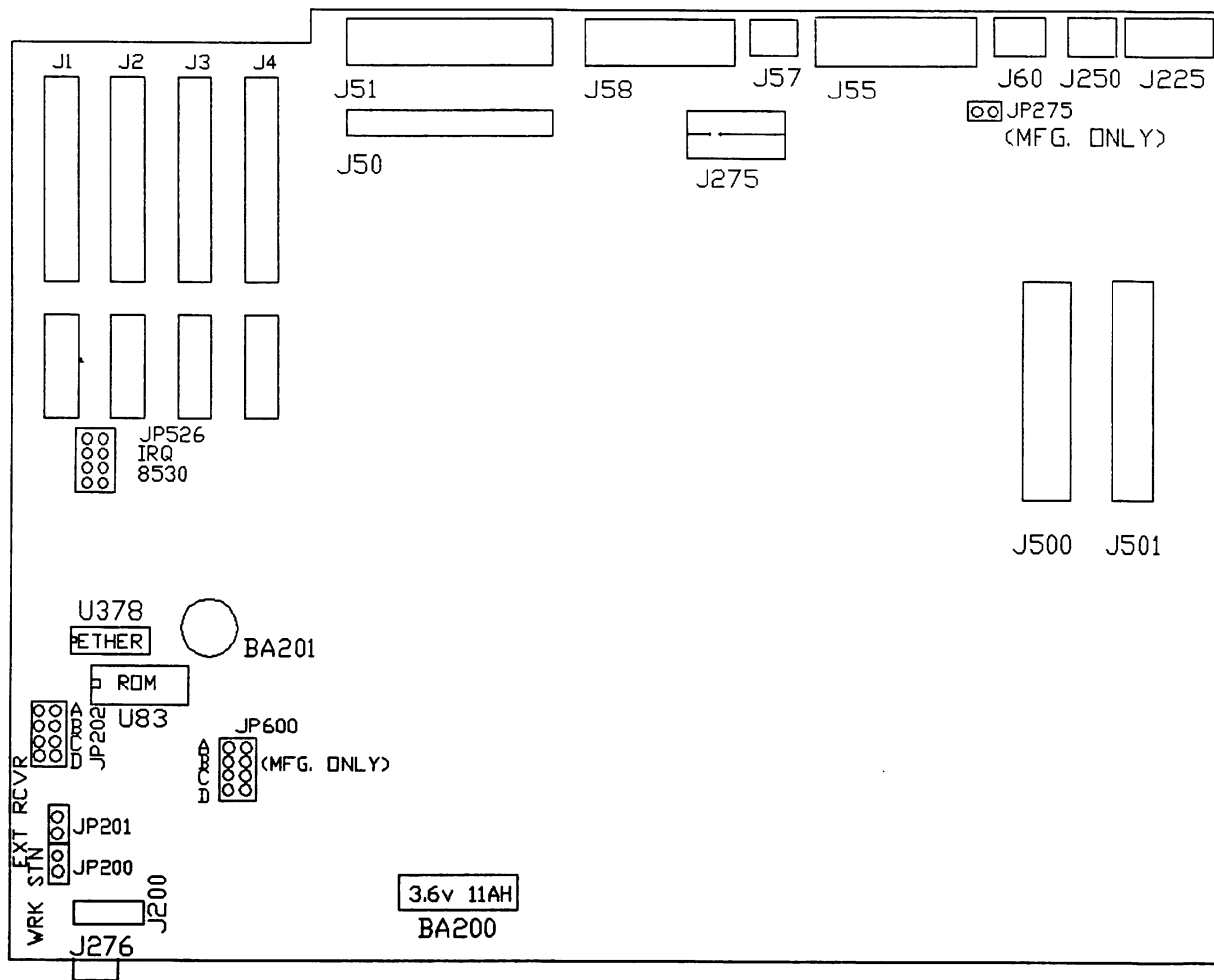


Figure 307. 3S/401 Main Unit Control Panel



3SERVER386

Figure 308. 3S/401 Main Logic Board

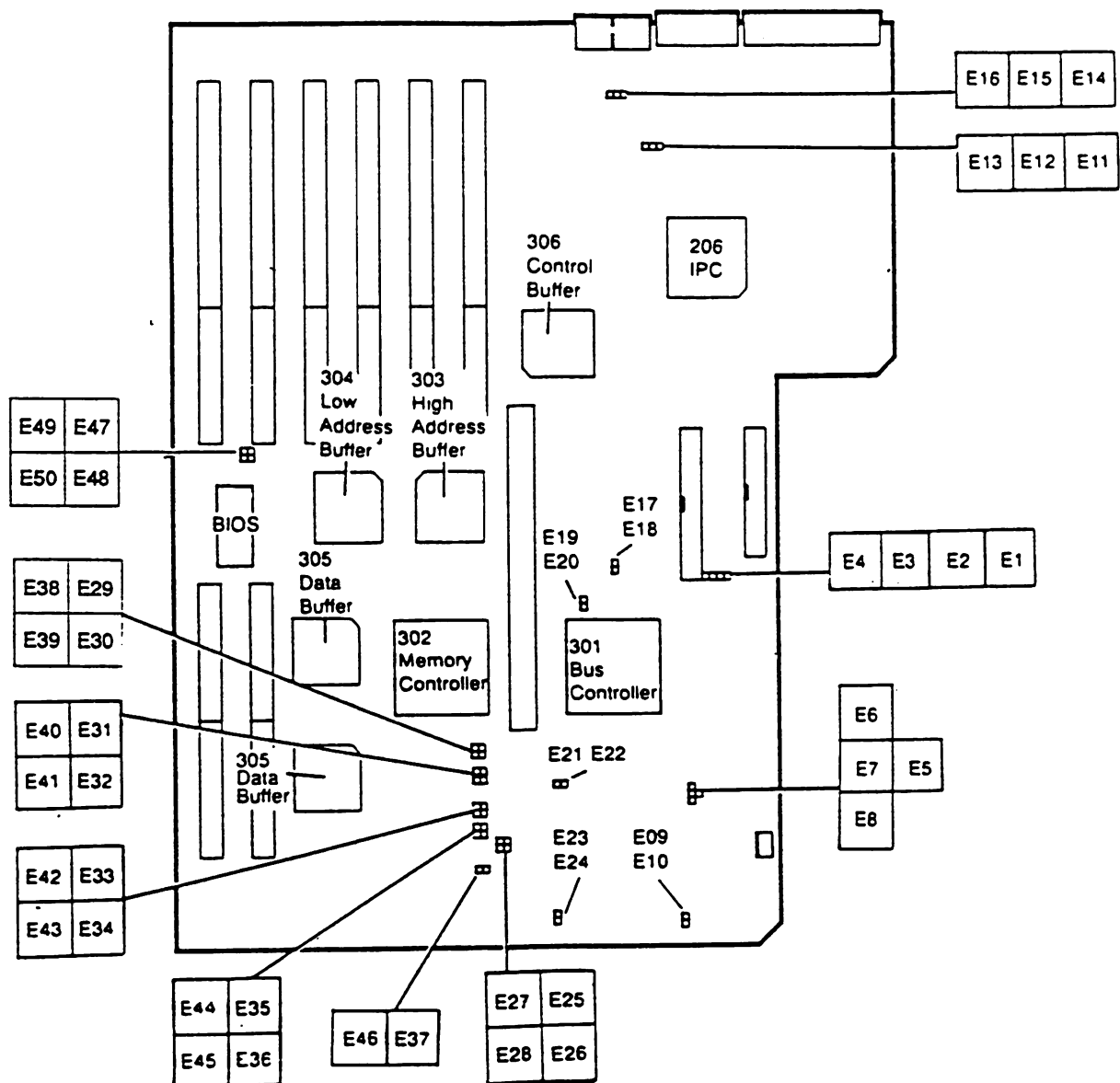


Figure 323. Tandy 4016DX/4020/25/33LX Main Logic Board Revision D

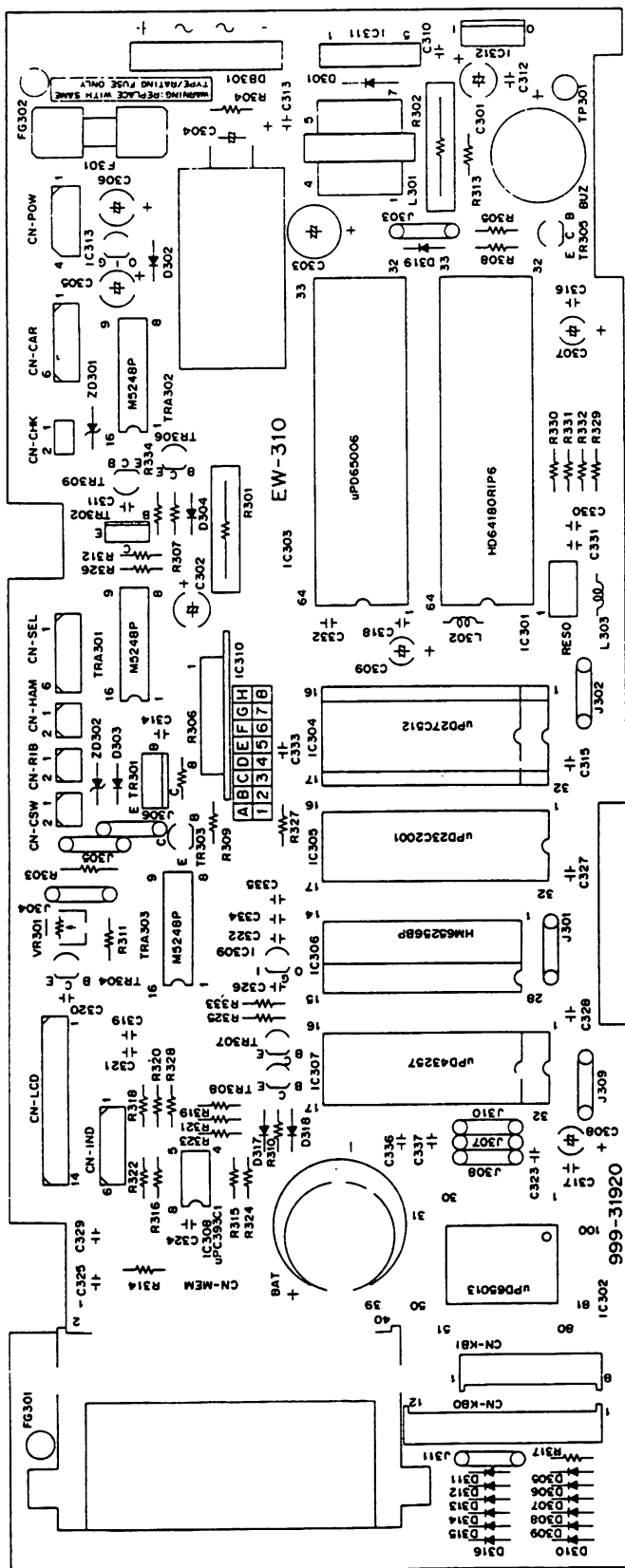


Figure 324. Tandy WP101 Main Logic Board

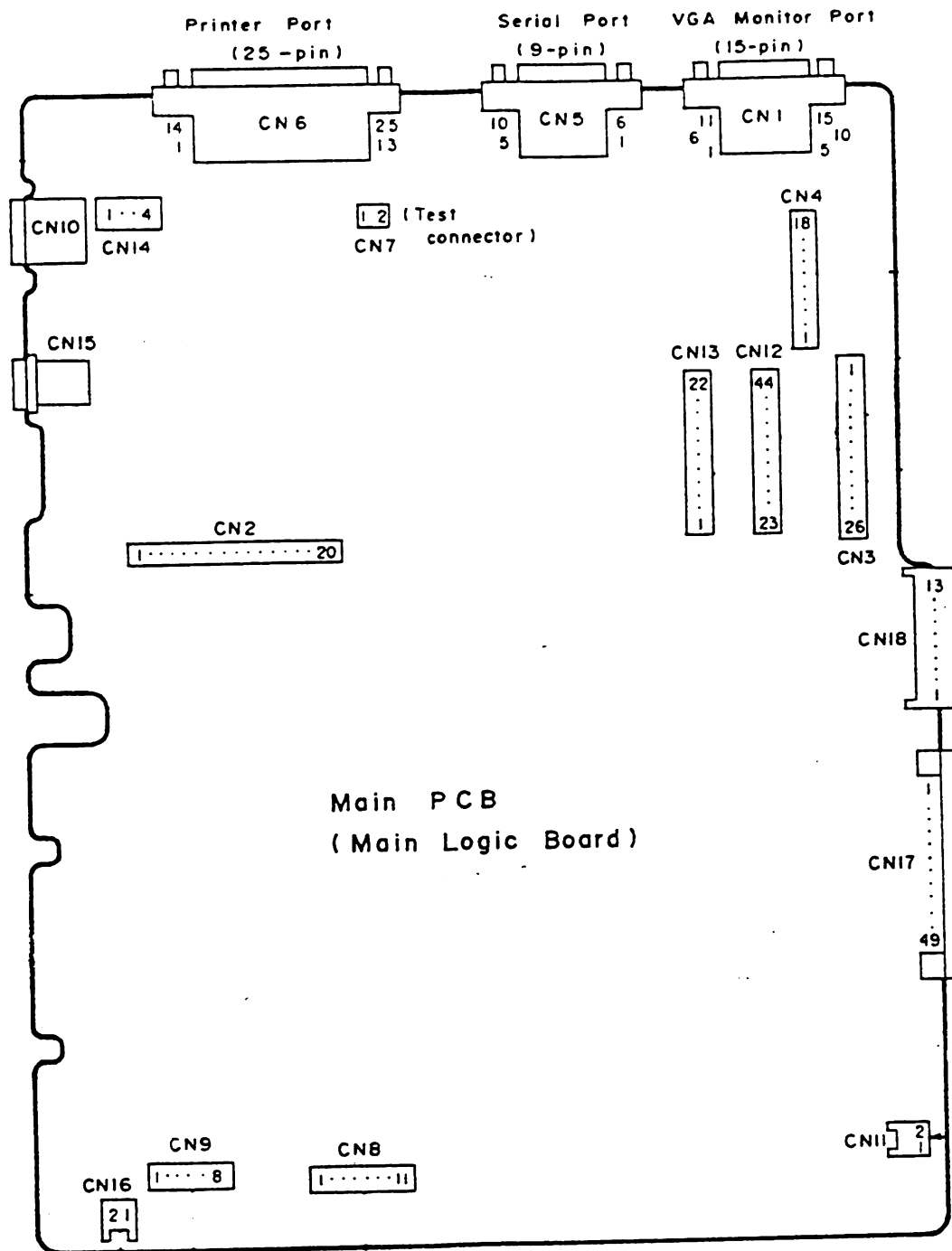


Figure 325. Tandy 2820HD Main Logic Board
Tandy 3820HD Main Logic Board

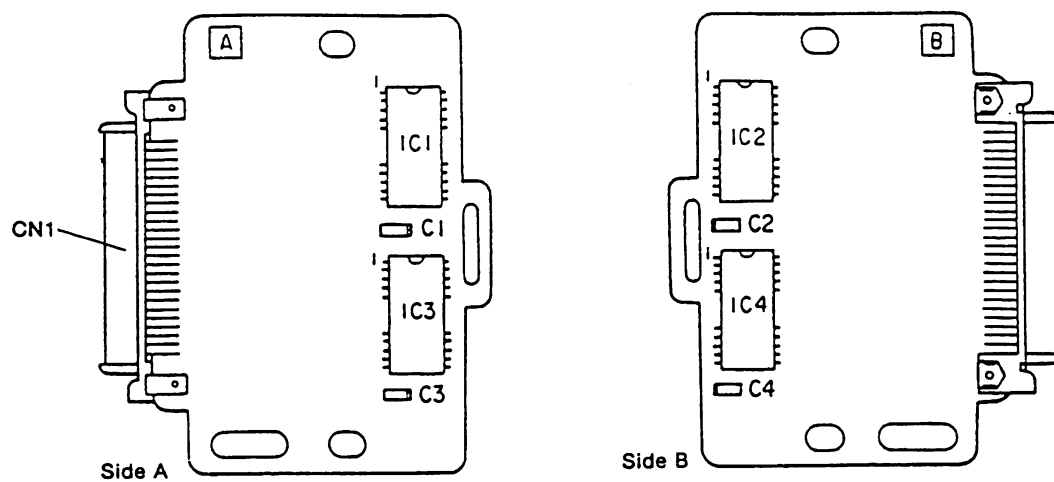


Figure 326. 2MB Memory Module for 2820/3820 series

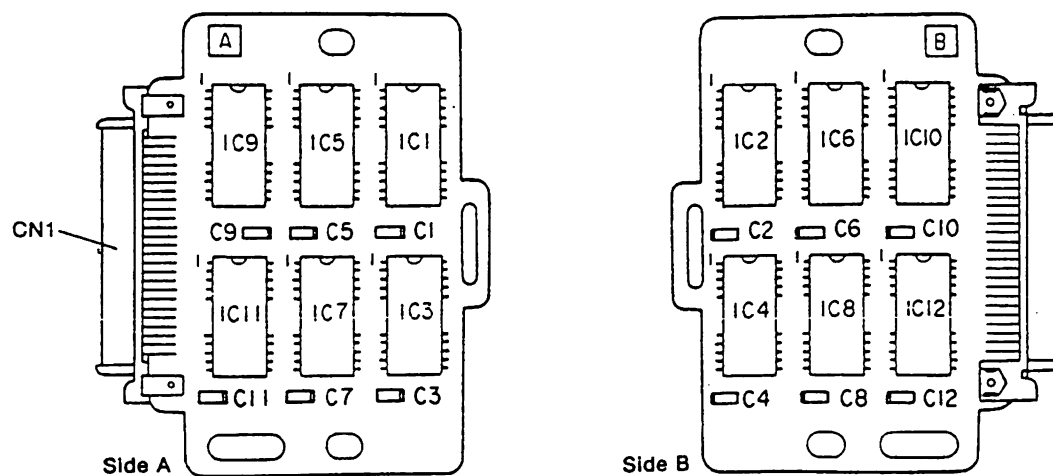


Figure 327. 6MB Memory Module for 3820

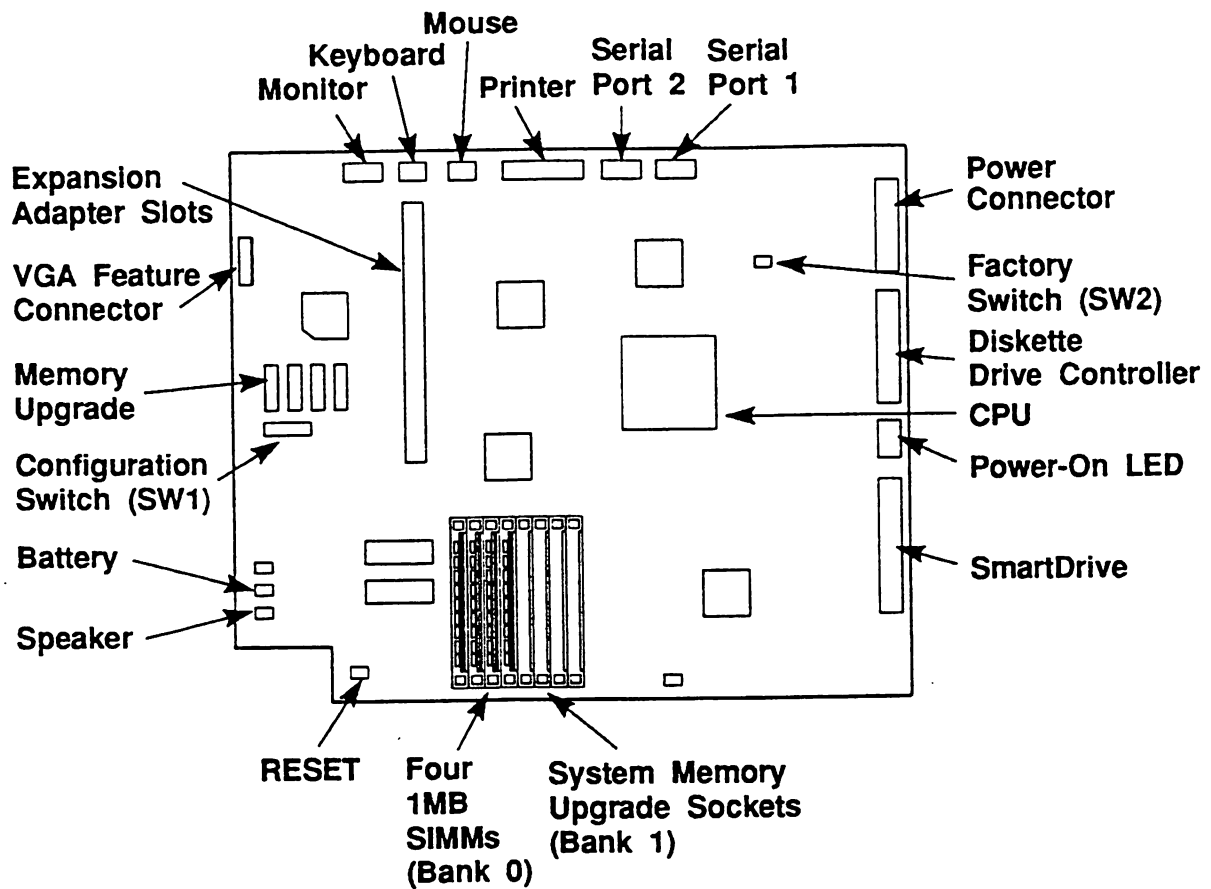
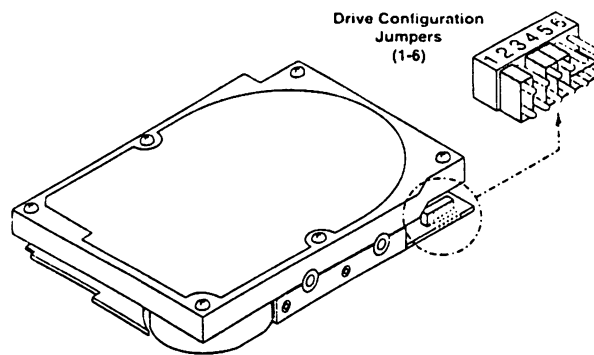


Figure 328. Tandy 4825SX/50EP Main Logic Board





Shown jumpered for connection
to a 25-1088 IDE interface board.

Figure 330. Seagate ST-351A/X 40MB XT/AT IDE Hard Drive
25-1048A (12 pin version)

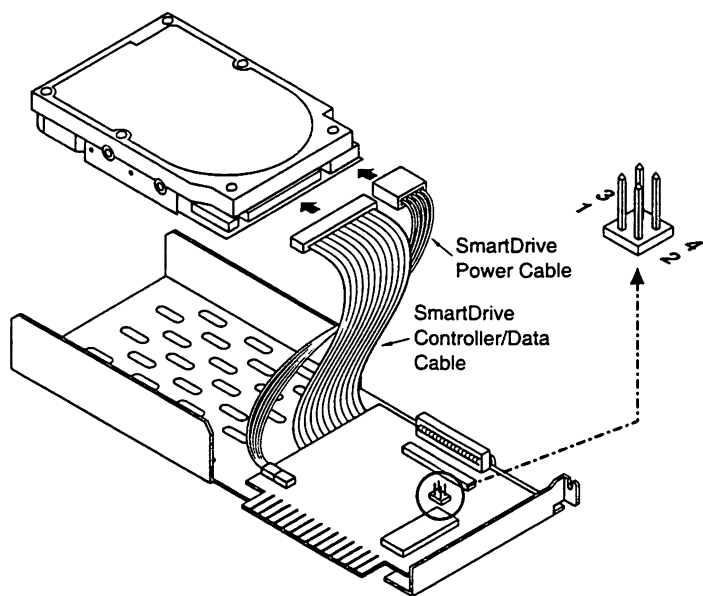


Figure 331. Seagate IDE Adapter for 25-1047 or 25-1048/A

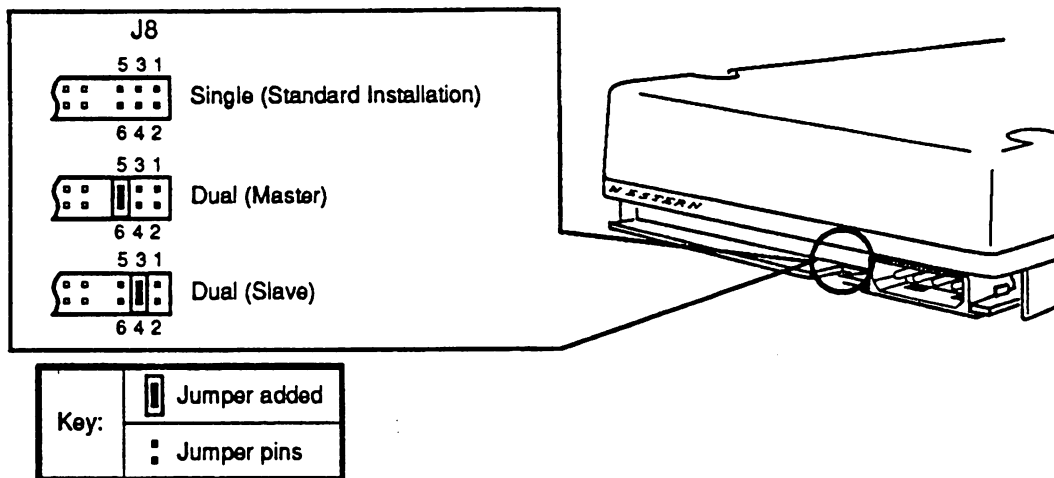
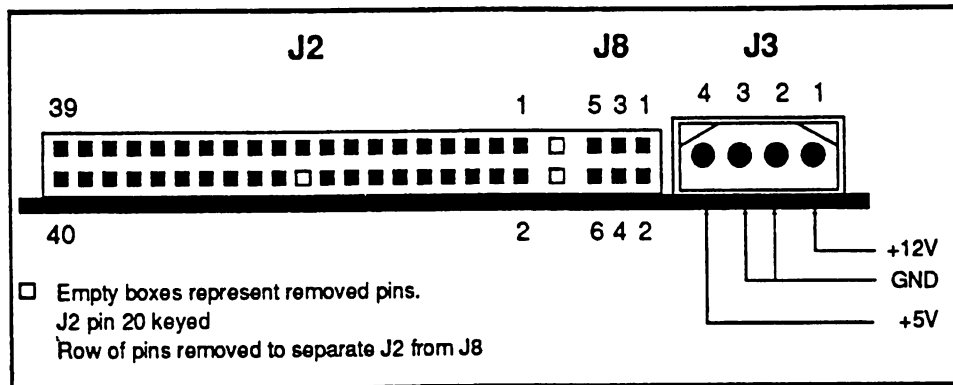


Figure 332. Western Digital Caviar AC280 85MB IDE Hard Drive
Western Digital Caviar AC2120 120MB IDE Hard Drive

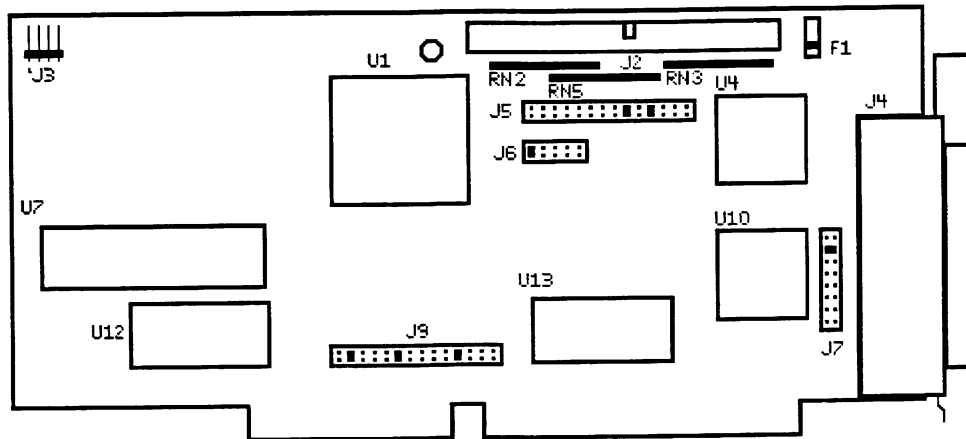


Figure 333. SCSI Hard Drive Controller Board (Revision C)

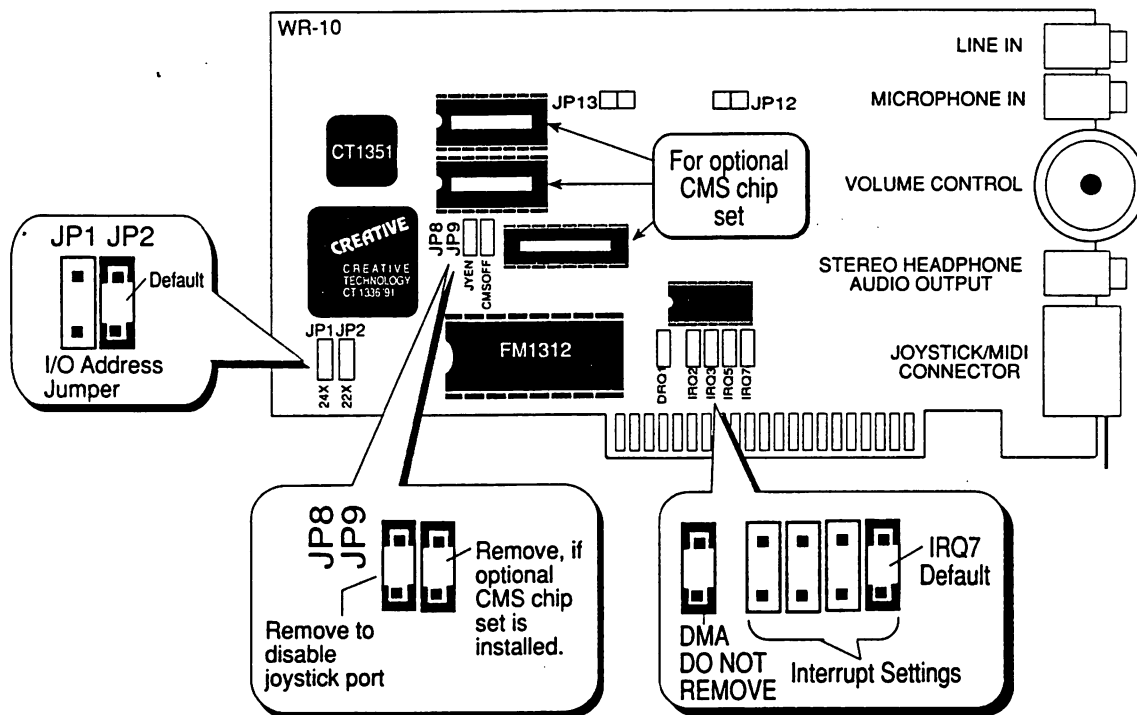


Figure 334. Soundblaster Board

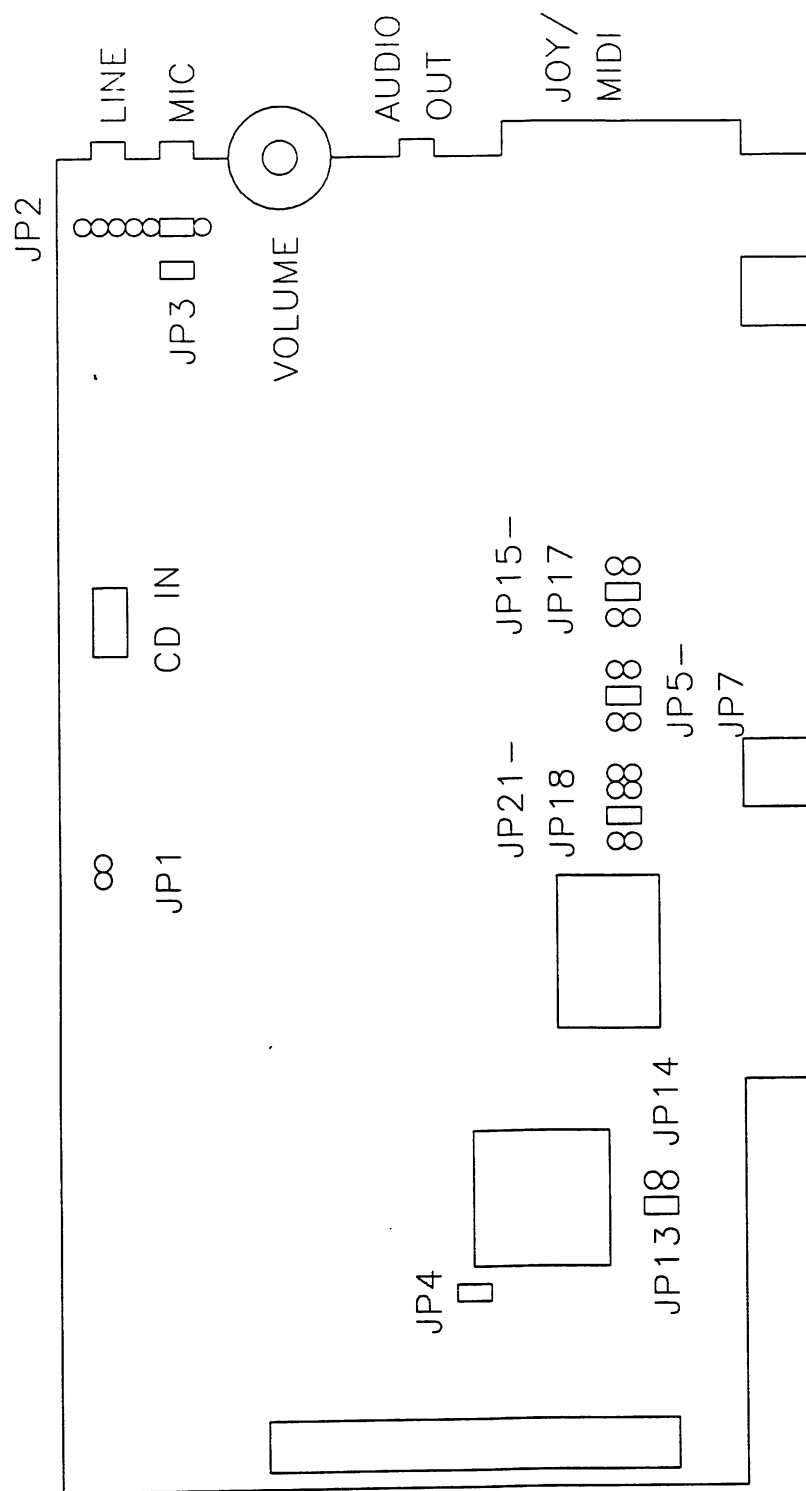


Figure 335. Soundblaster PRO Board

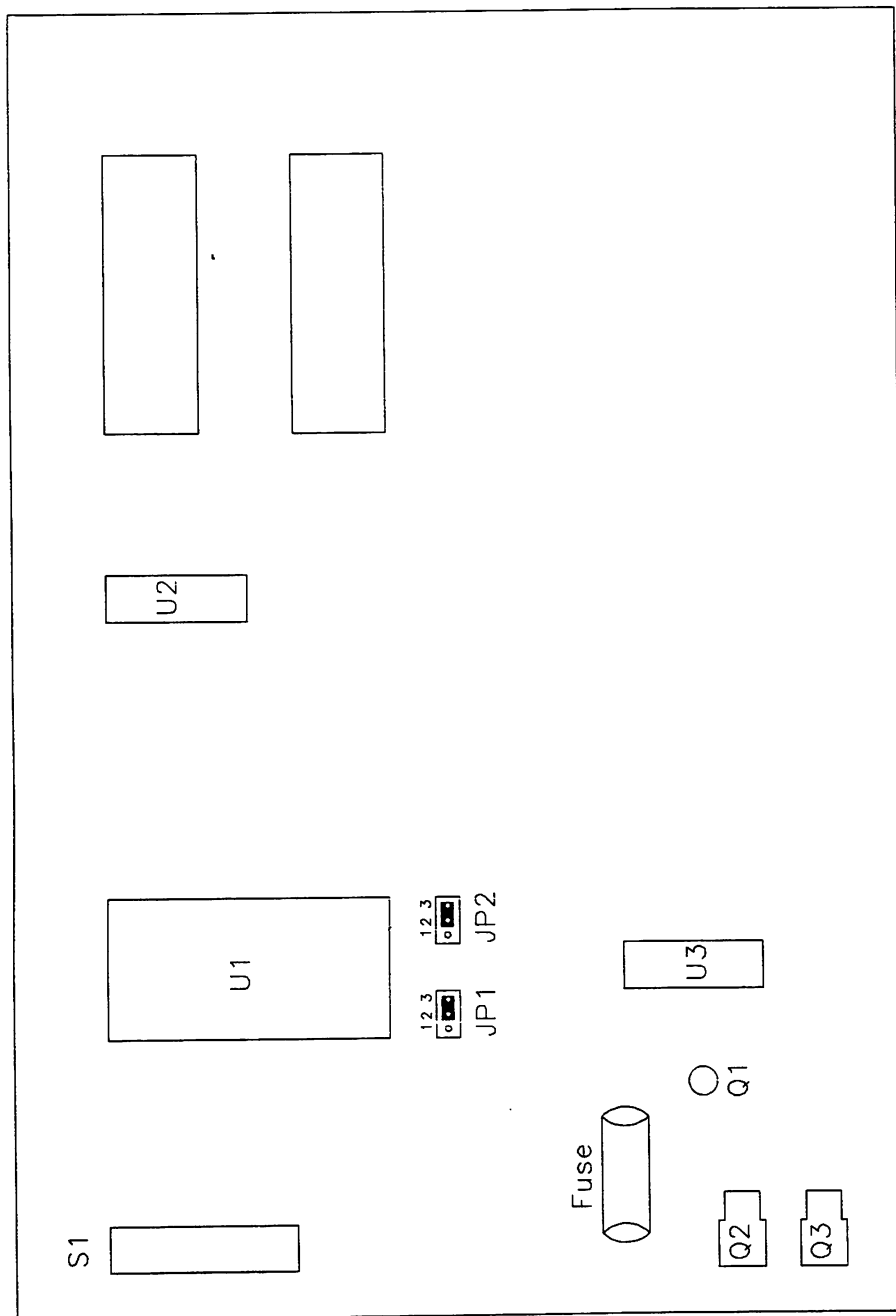
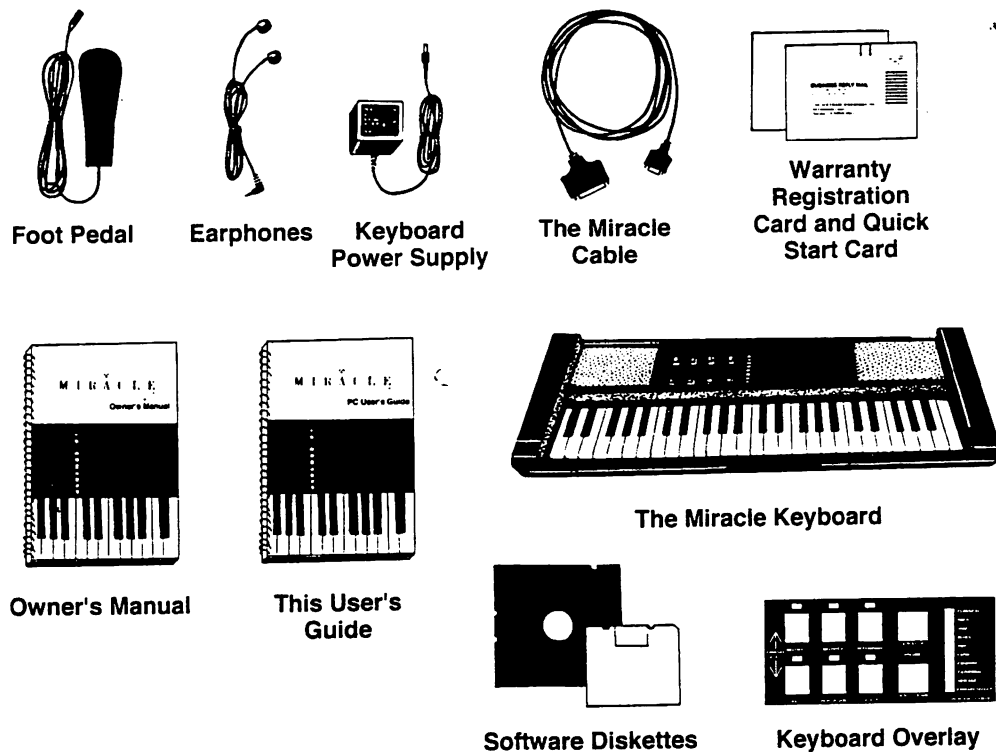
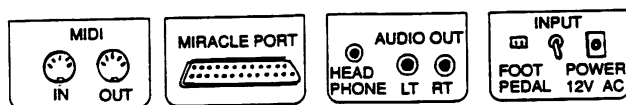


Figure 336. Parallel Interface Cash Drawer



Contents of The Miracle Box



Rear Connectors on The Miracle Keyboard

Figure 337. Miracle Piano Teaching System

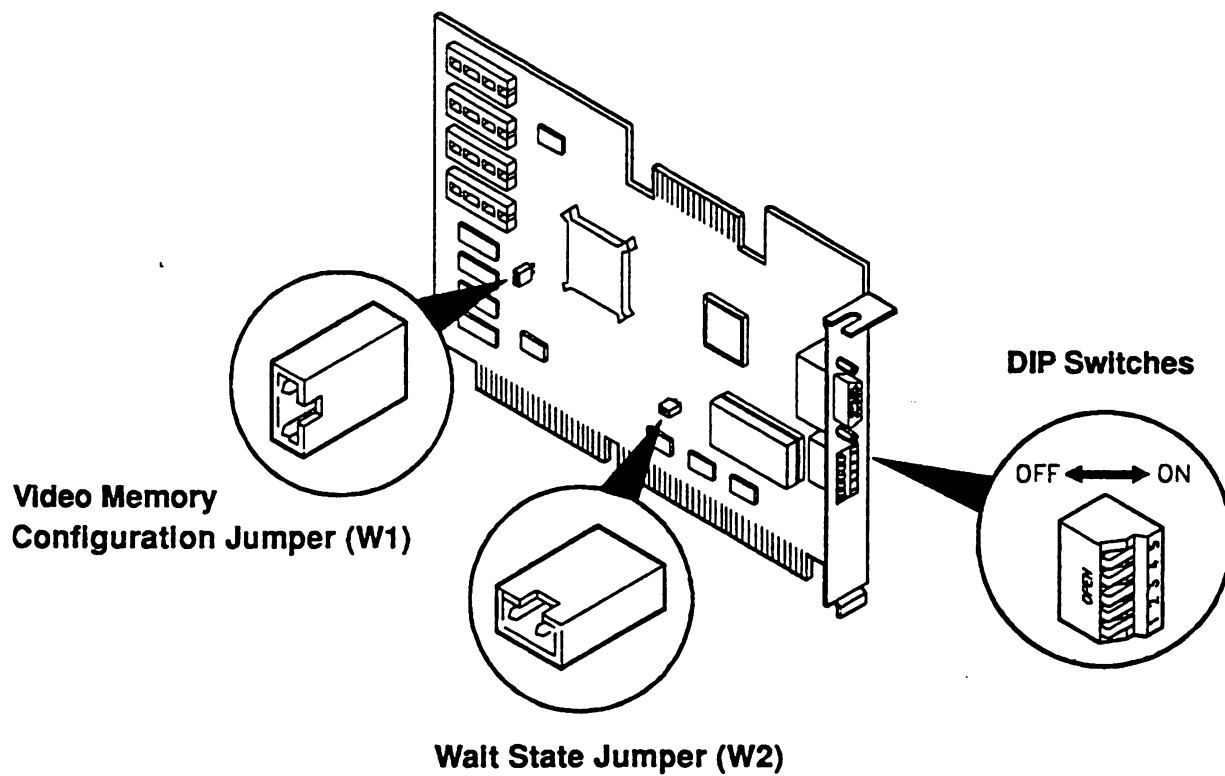


Figure 338. SVGA 1024NI Adapter Board 25-5140

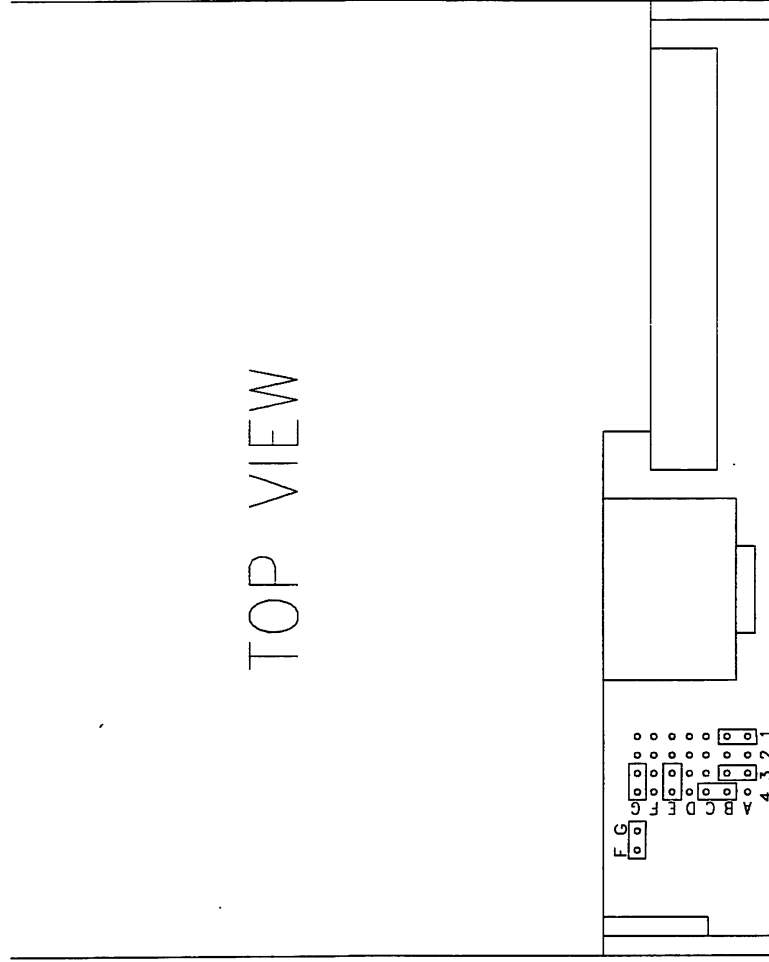


Figure 339. Teac FD-235HF-3106U 1.44 Meg Floppy Drive
Teac FD-235HF-3127 1.44 Meg Floppy Drive

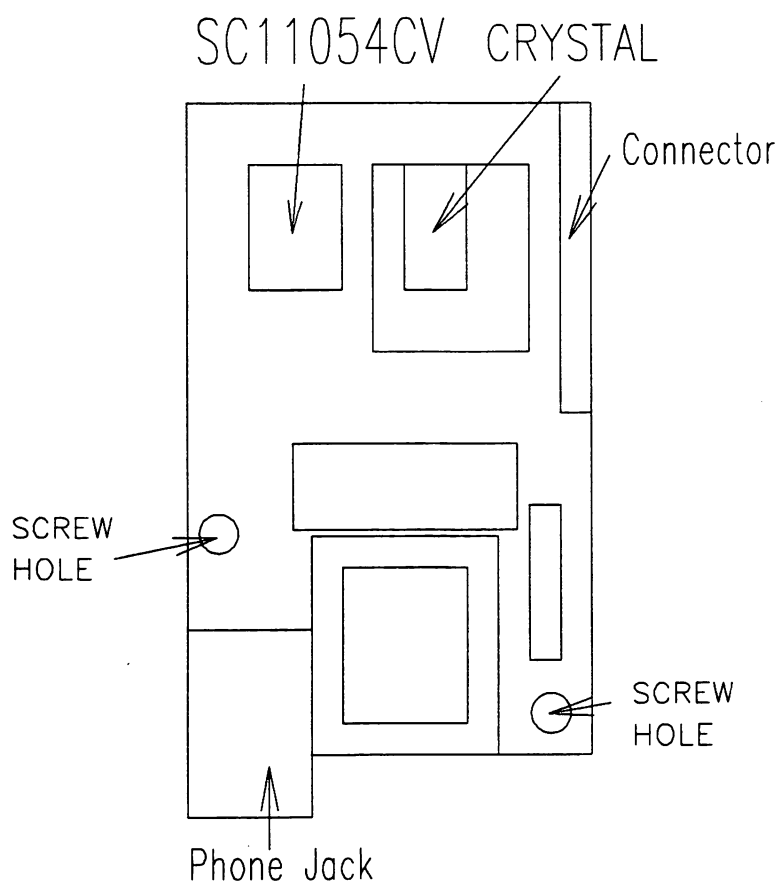
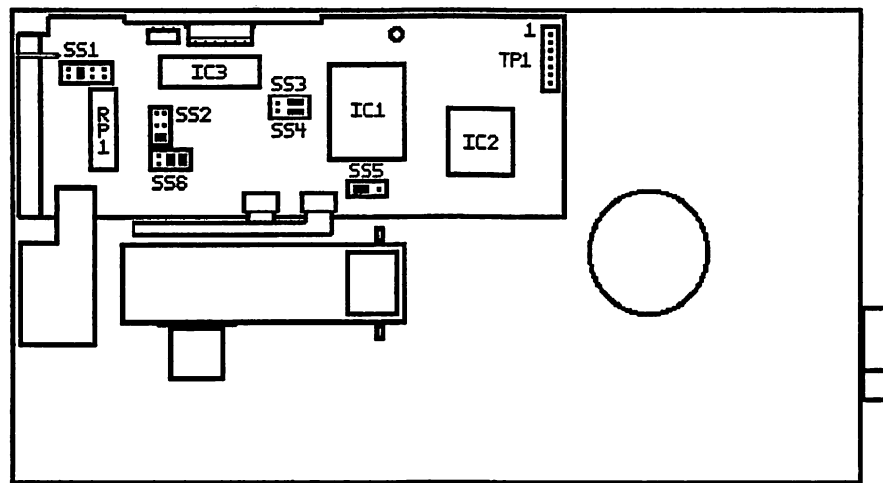


Figure 340. 2400 bps Internal Send FAX/Modem for Tandy 1500/28xx/38xx Series Laptops 25-3509



Top View

Figure 341. 1.2 Meg External Floppy Drive

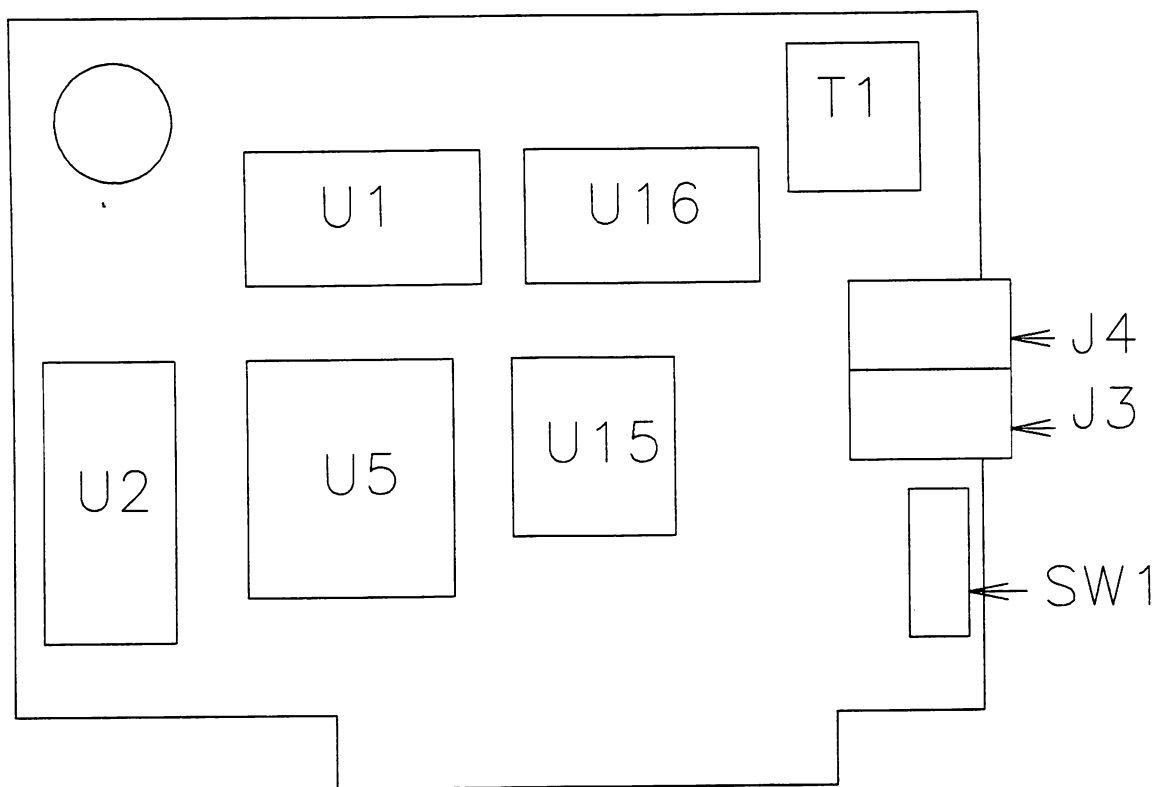


Figure 342. 2400 bps Data-9600 FAX Internal Modem 25-1070

U3/U5 NOT stuffed on the 25-3025

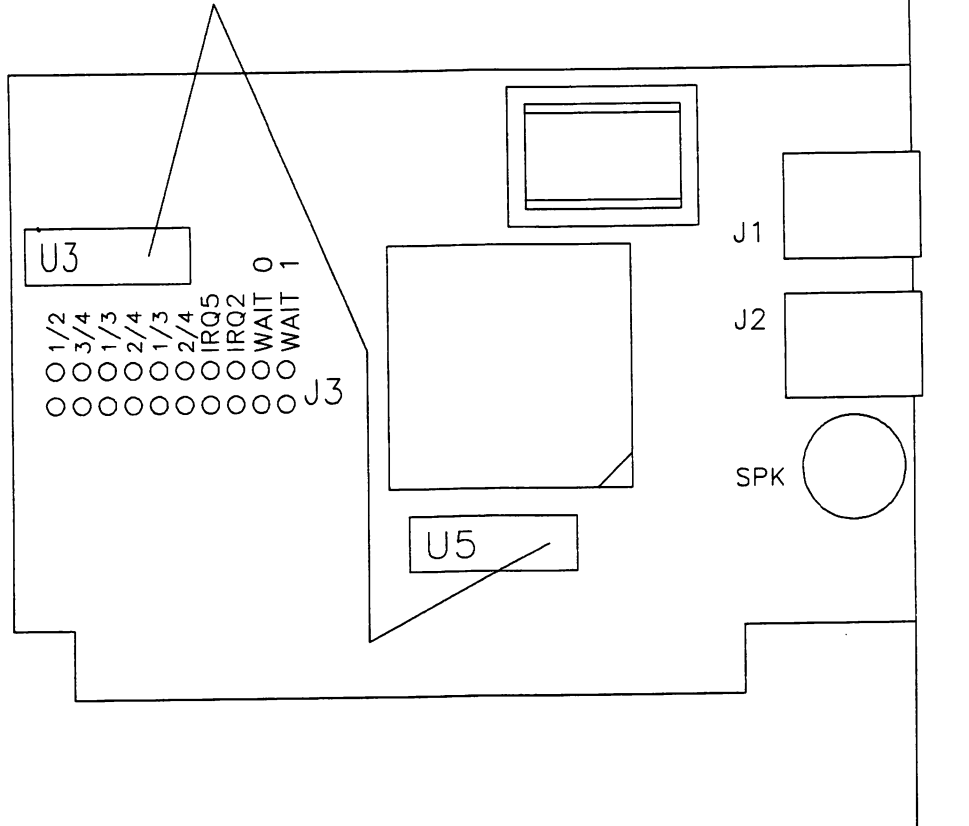


Figure 343. Internal 2400 bps Modem 25-3025

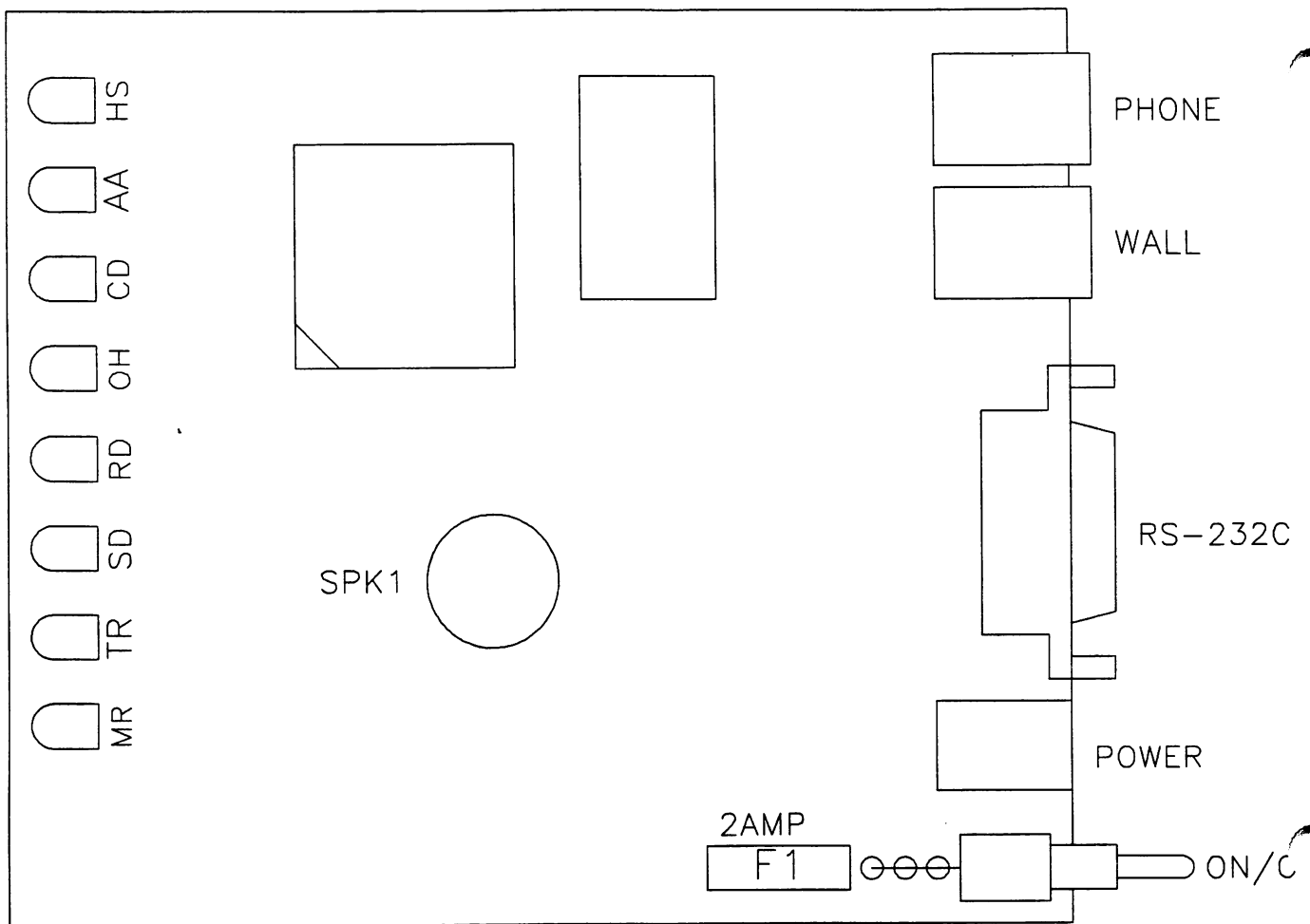


Figure 344. External 2400 bps Modem 25-3026

U3/U5 are present on the 25-3027

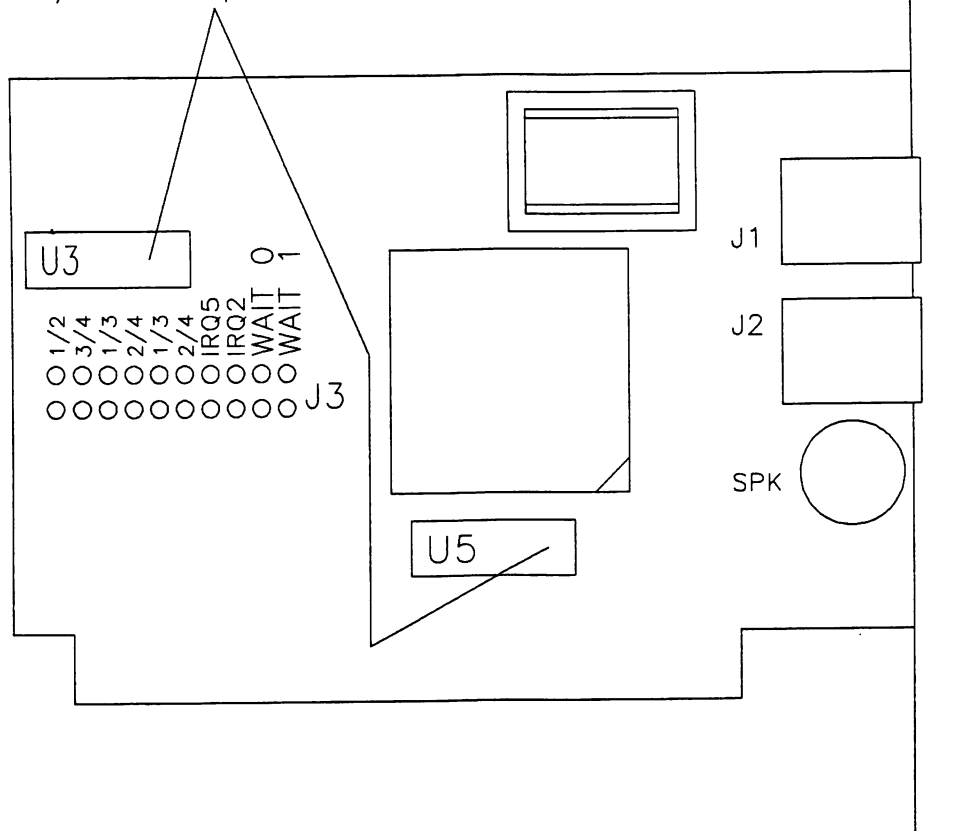


Figure 345. Internal 2400 bps modem/9600 bps FAX 25-3027

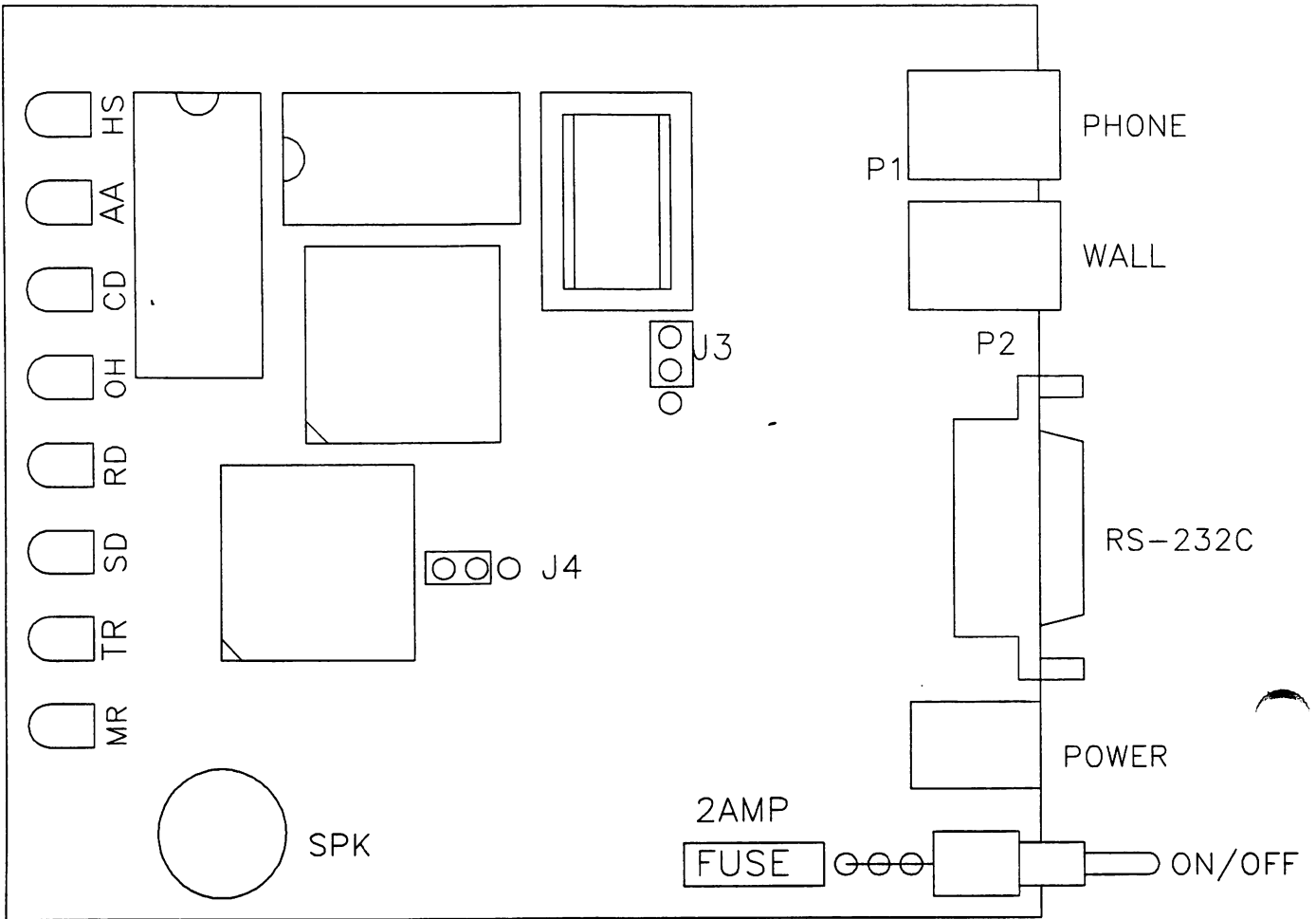


Figure 346. External FAX/Modem 25-3028

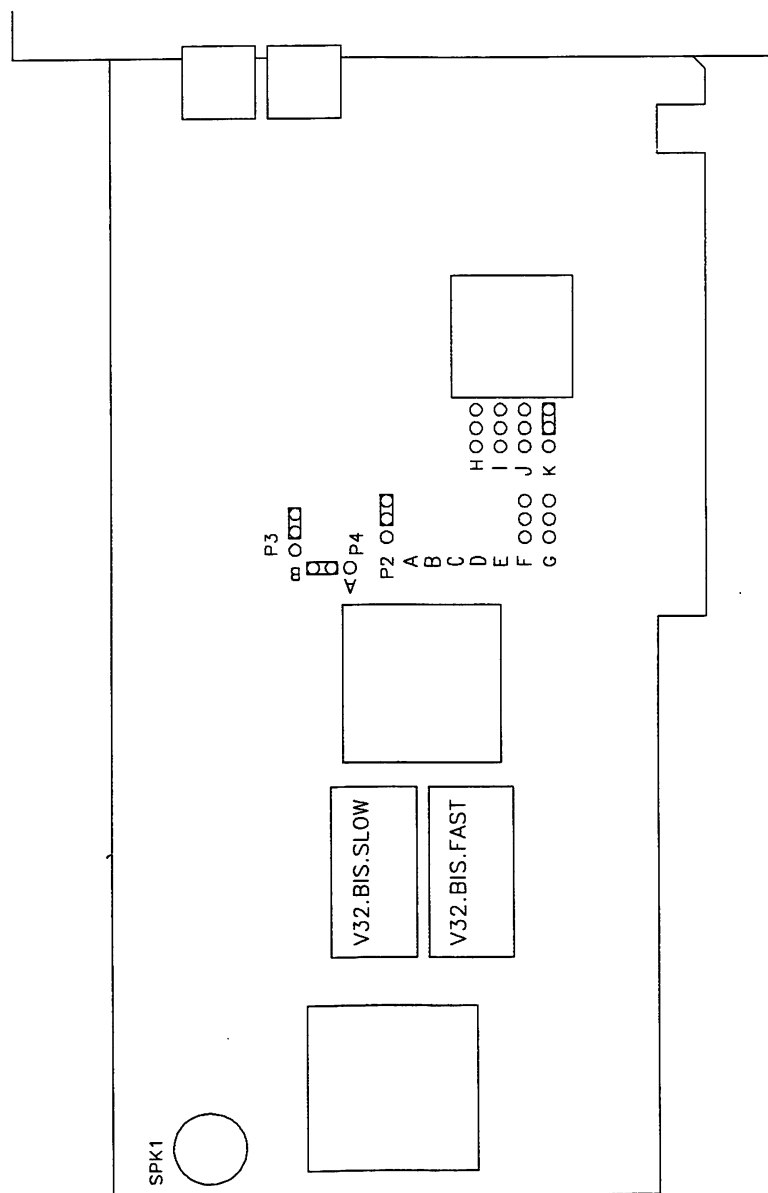


Figure 347. V.32bis Internal FAX/Modem 25-3029

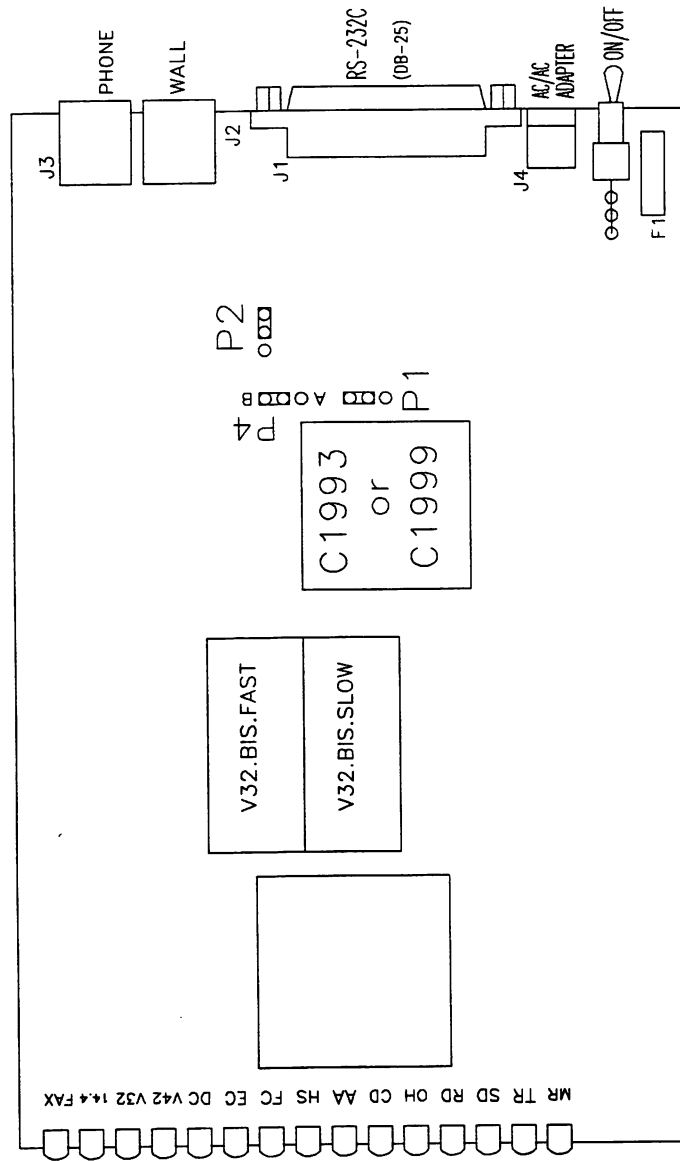


Figure 348. V.32bis External FAX/Modem 25-3030

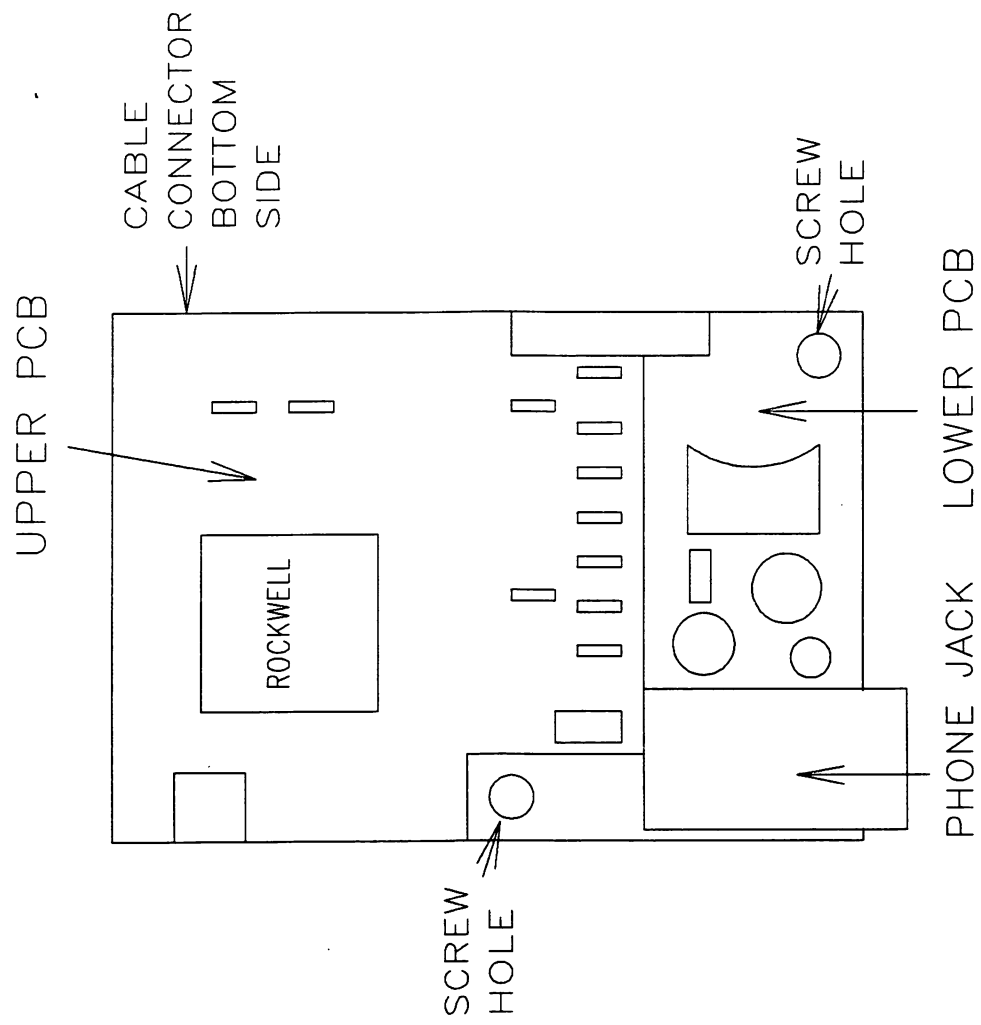


Figure 349. Internal 2400 bps V.42 Data/FAX Modem 25-3532

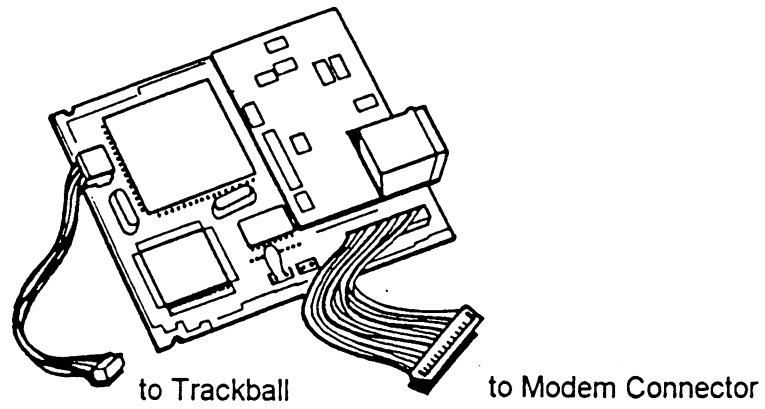


Figure 350. Internal 2400 bps V.42 Data/FAX Modem for 486/486HD 25-3542

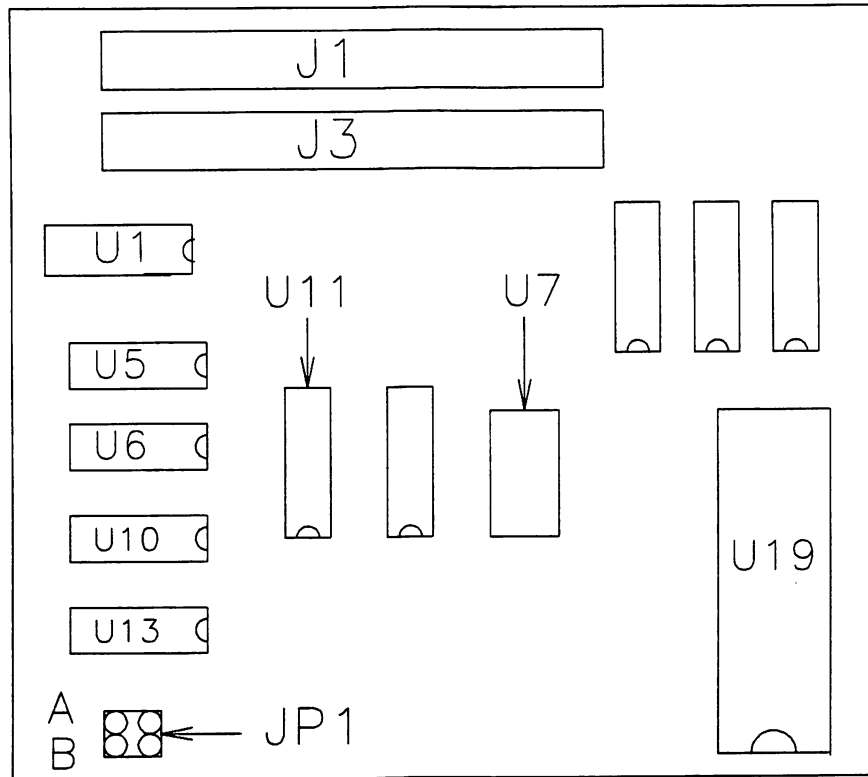


Figure 351. Tandy 1000 EX/HX Memory Plus Adapter 25-2062

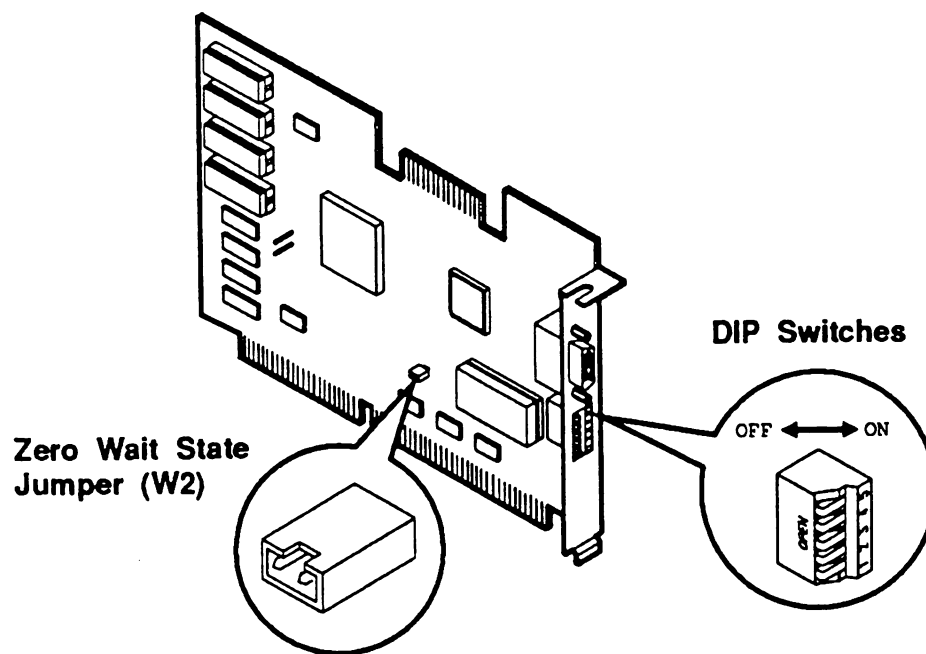


Figure 352. SVGA 1024NI DW Accelerator Board 25-4055

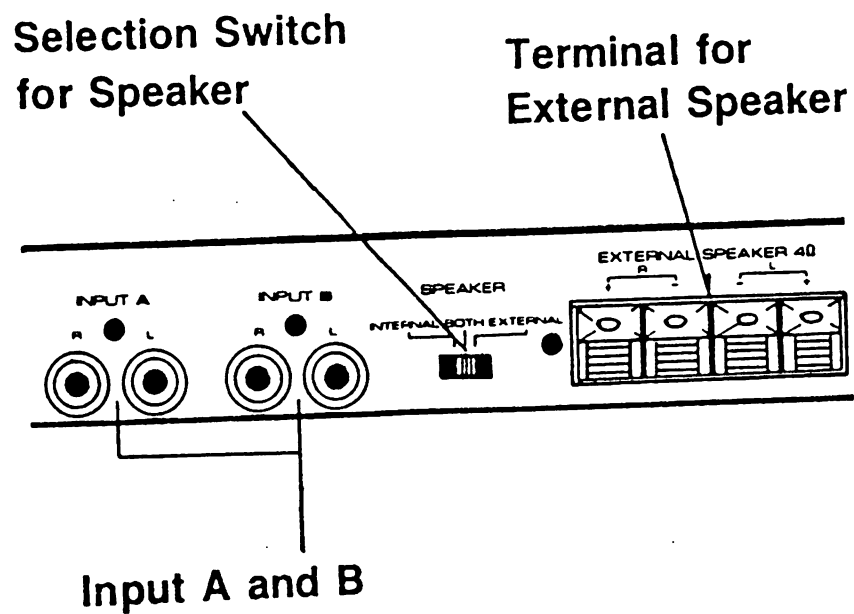
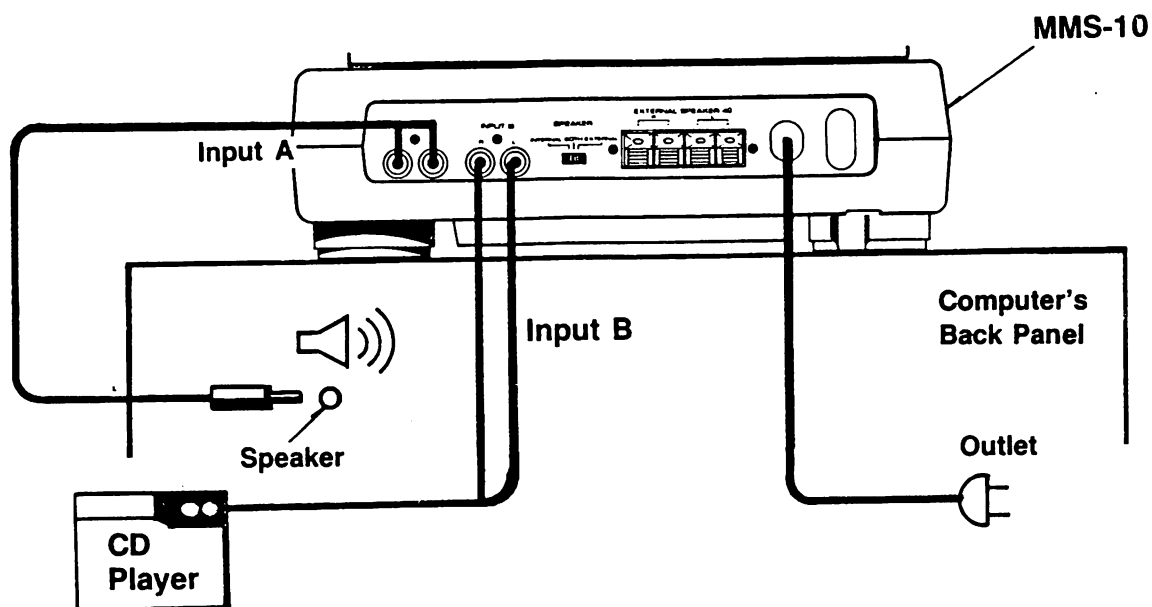


Figure 353. MMS-10 Amplified Speaker System 25-1096

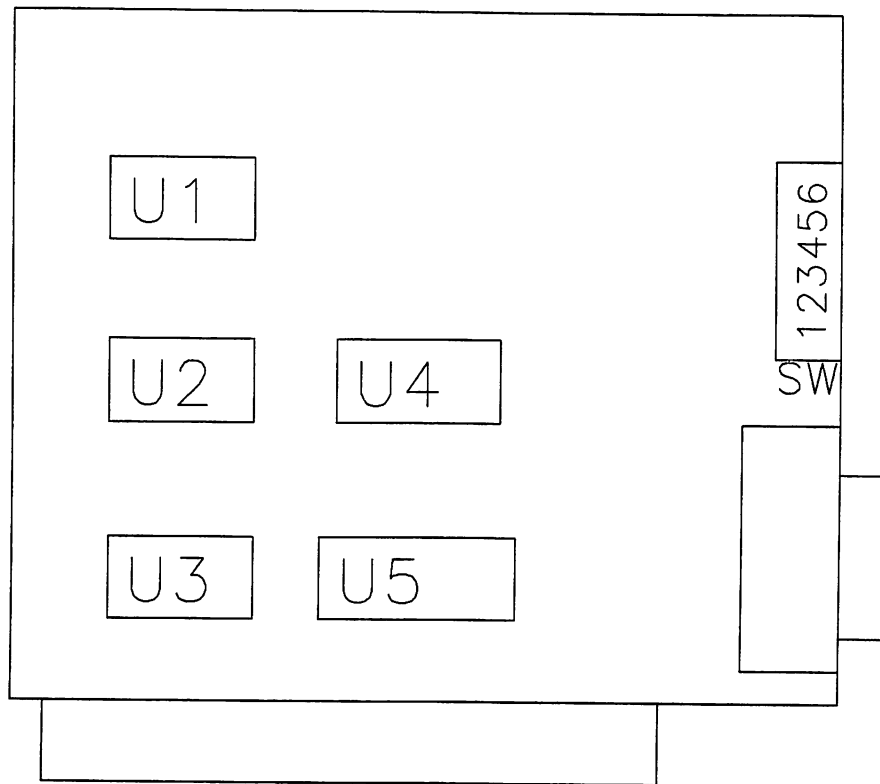


Figure 354. High Speed Game Card 26-0328

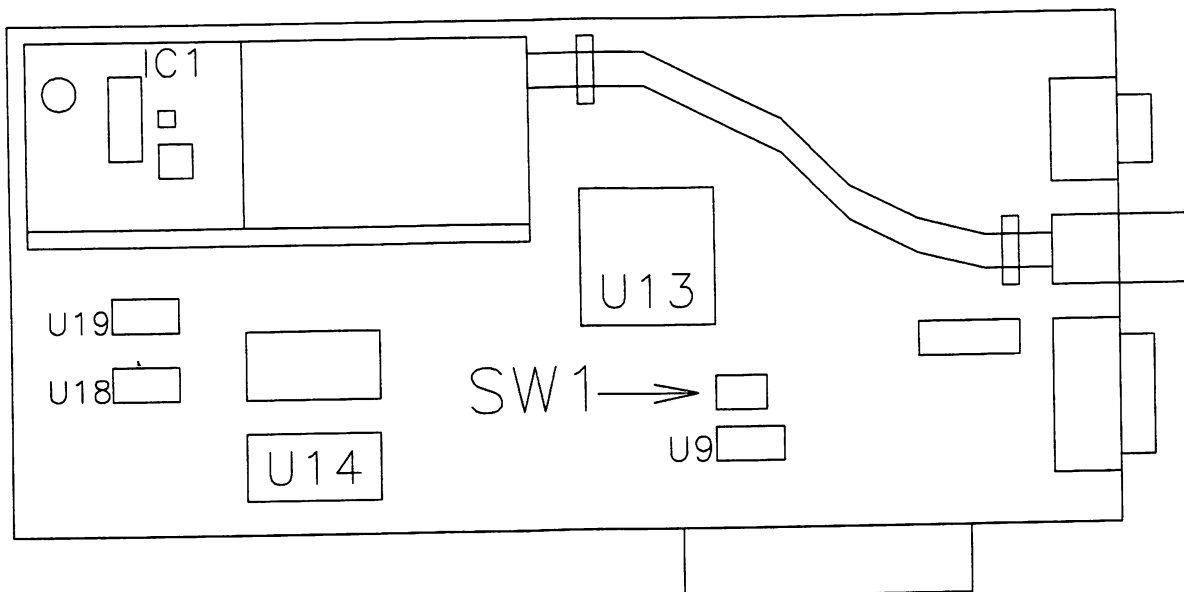


Figure 355. PC/TV Adapter Board 25-1660

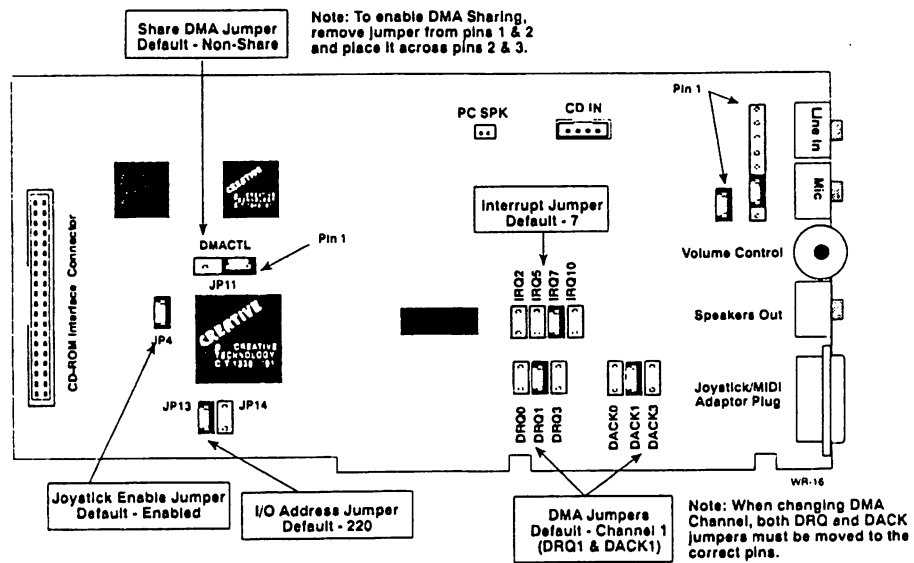


Figure 356. Sound Blaster PRO2 Board 25-1097

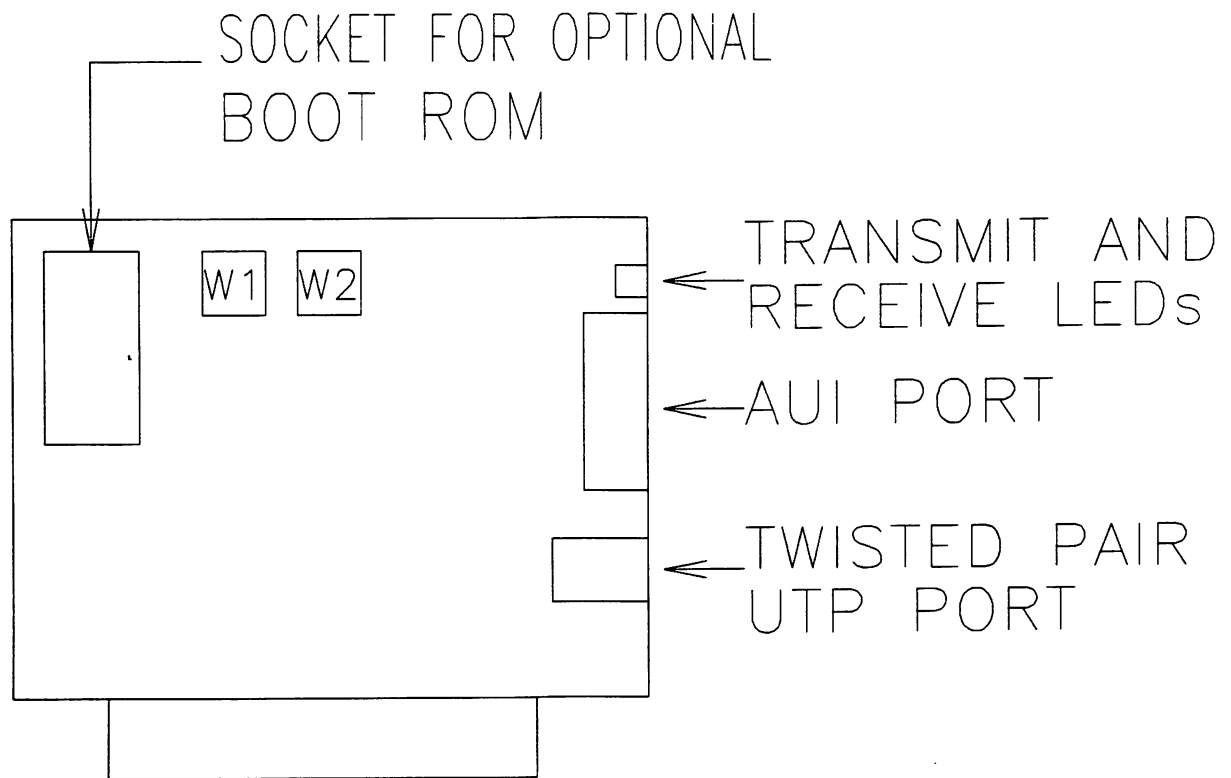


Figure 357. Tandy Ethernet Adapter Twisted Pair 26-5504

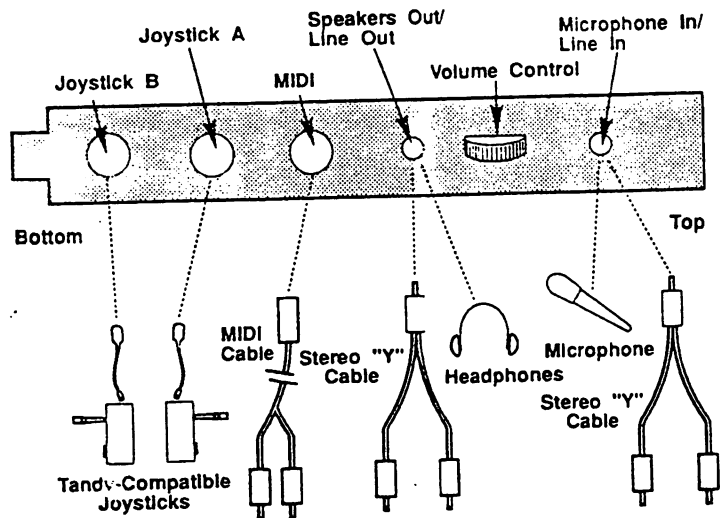
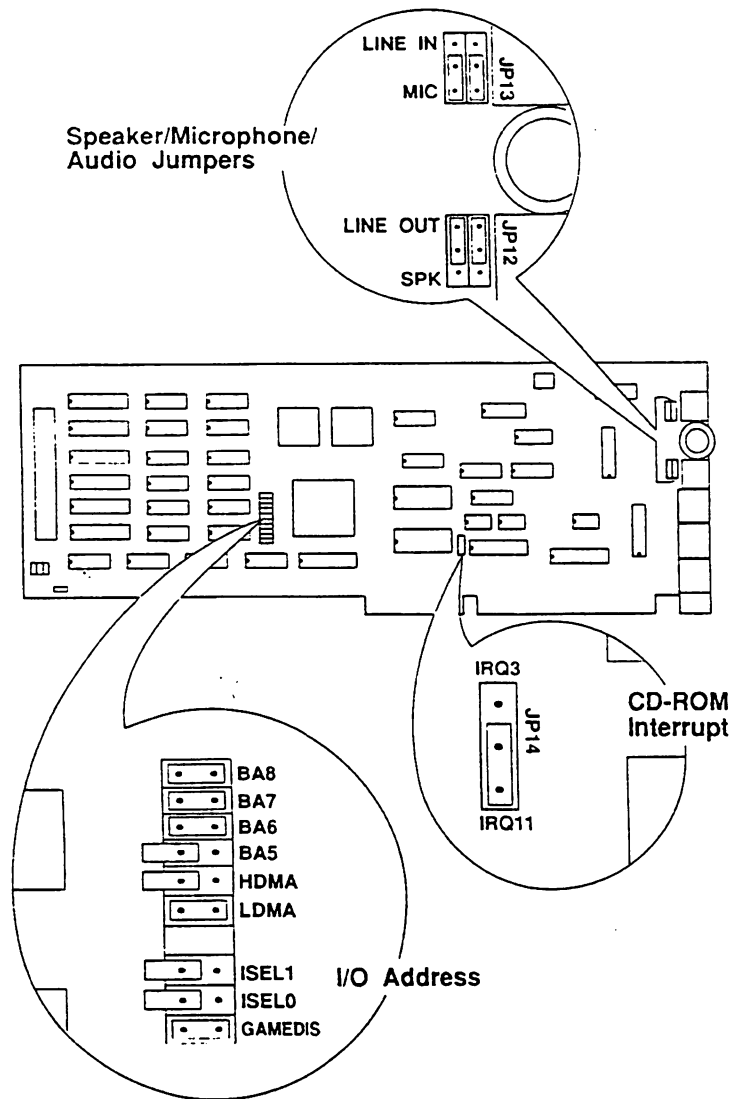


Figure 358. Multimedia adapter board 25-1085
Multimedia adapter board for kit # 25-1090

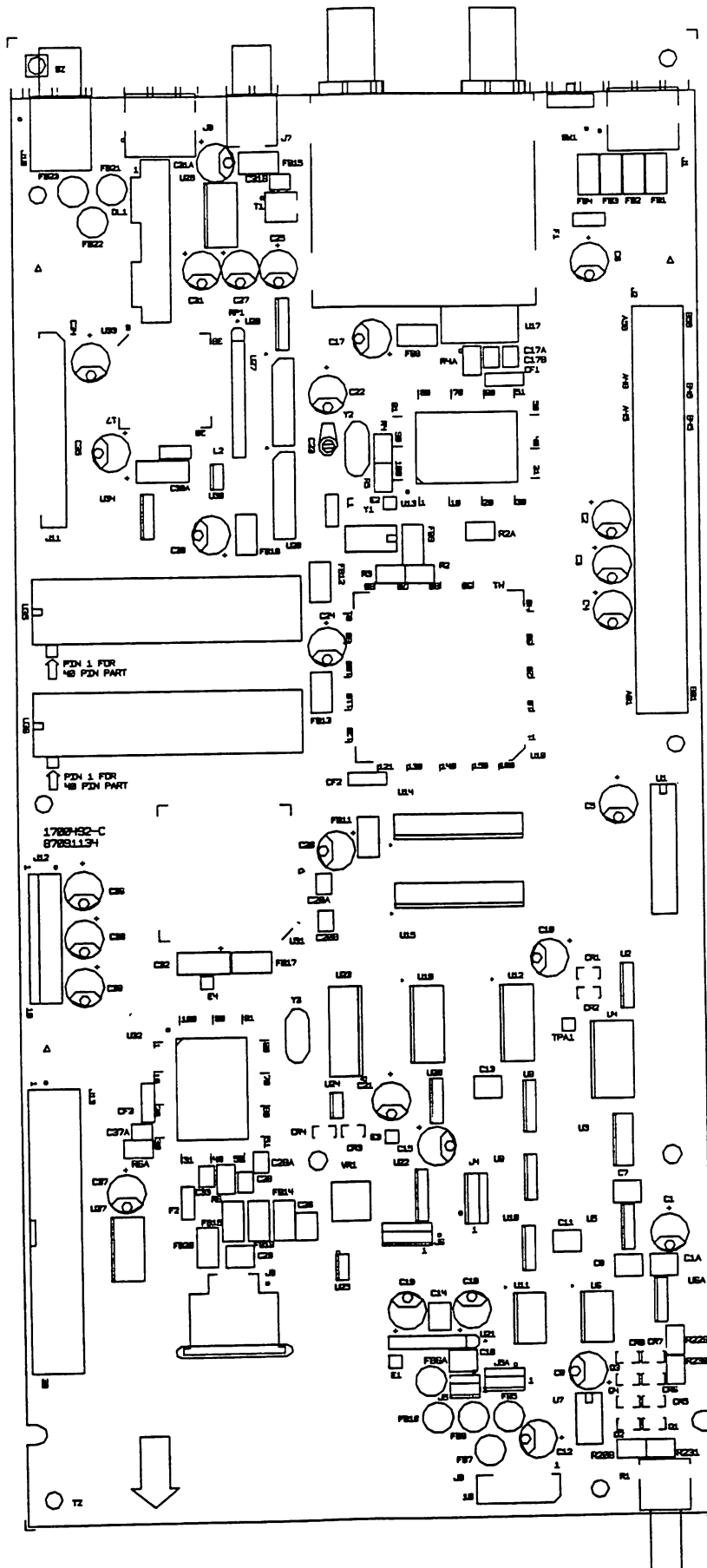


Figure 359. MD 2500 Video Information System 16-376

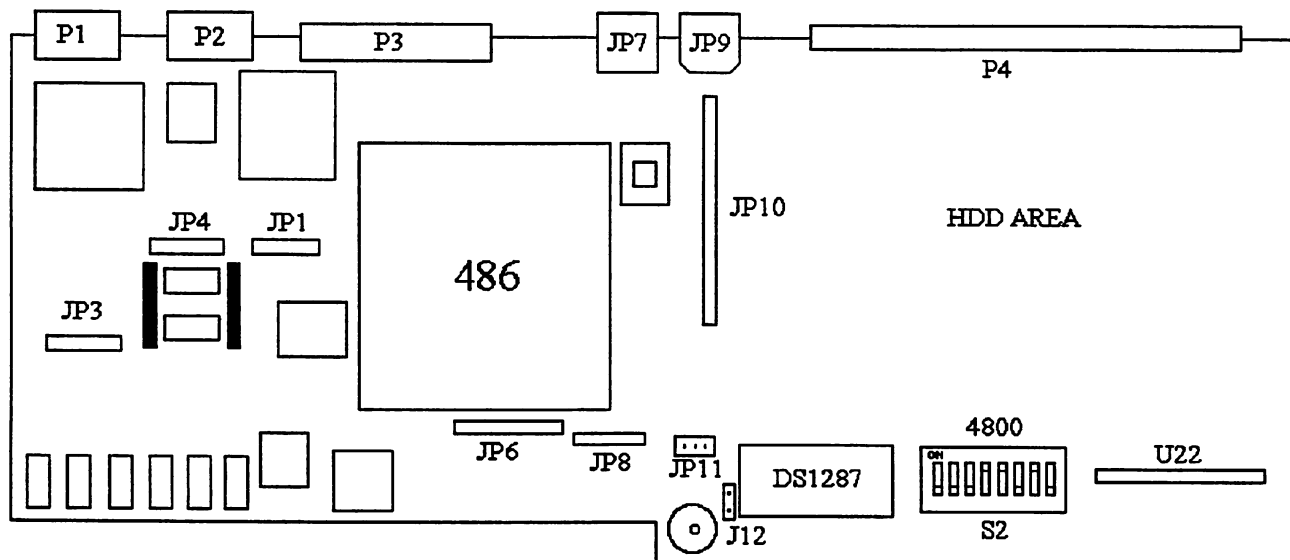


Figure 360. Tandy 4800/4860 Main Logic Board 25-3539/40

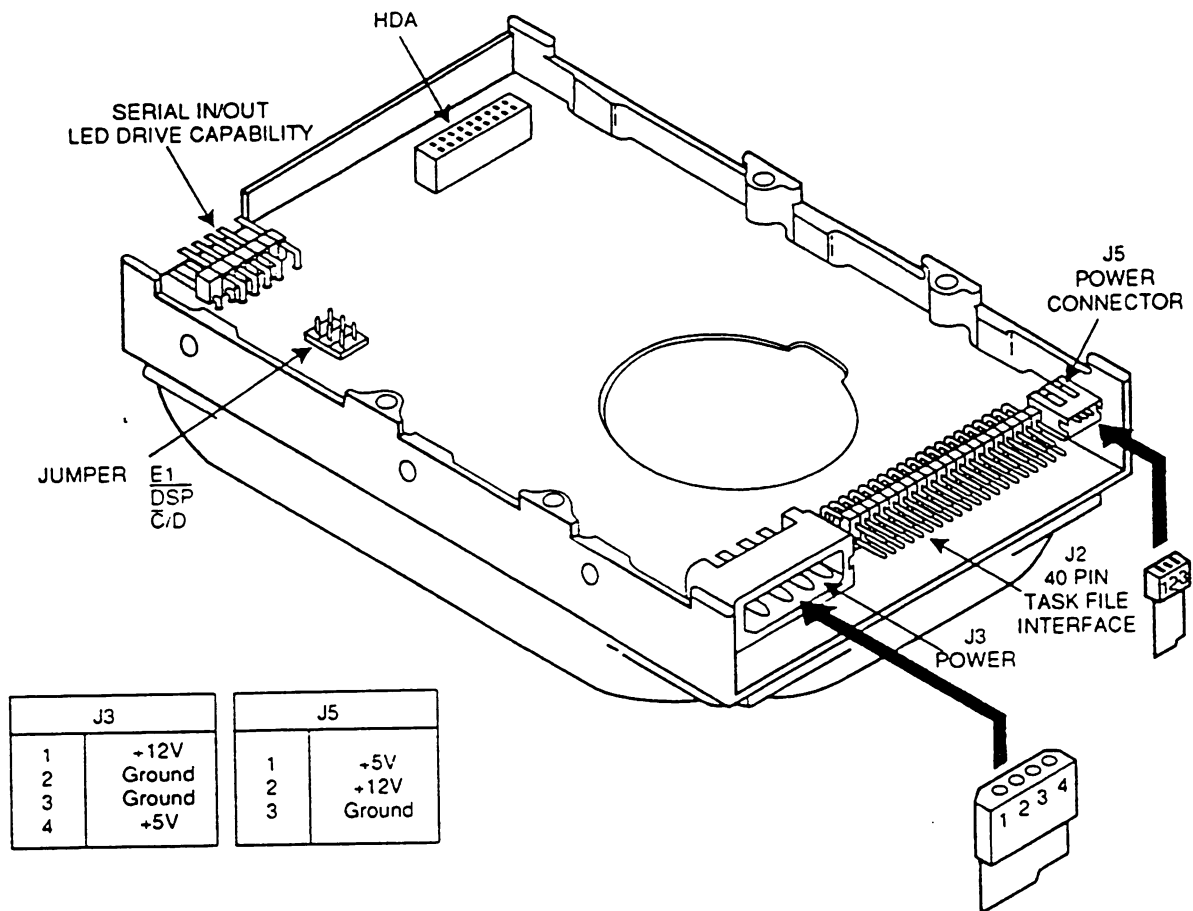


Figure 361. Conner CP30064 60MB IDE Hard Drive

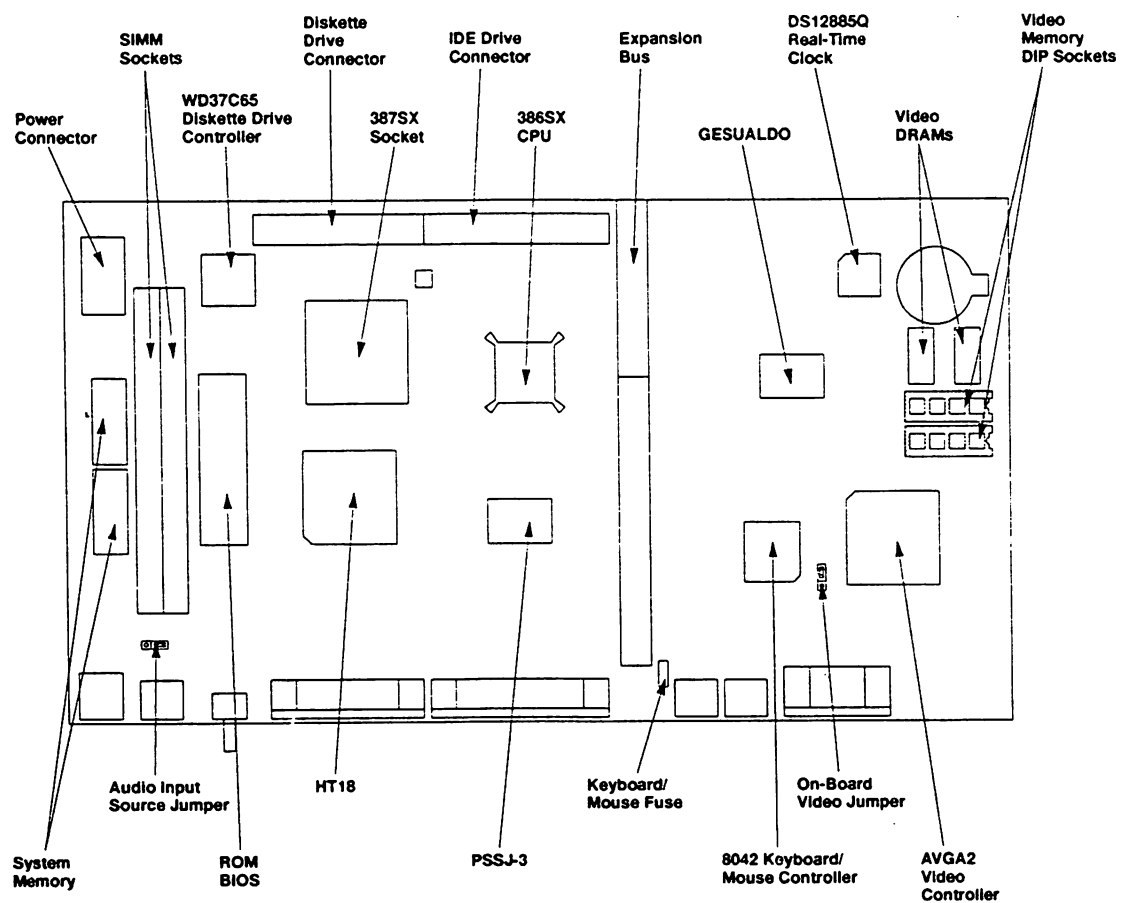


Figure 362. Tandy 1000RSX Main Logic Board 25-1454/55

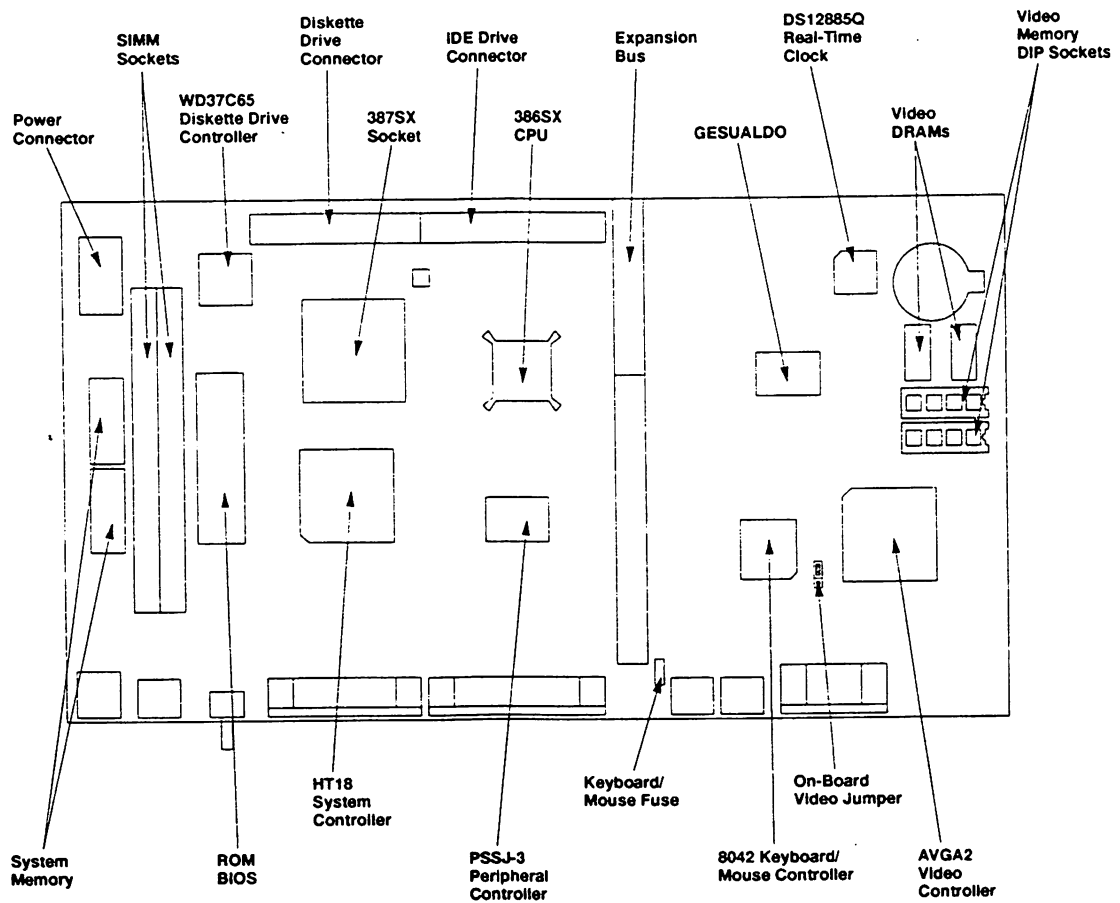


Figure 363. Tandy 2500RSX Main Logic board 25-1620/21

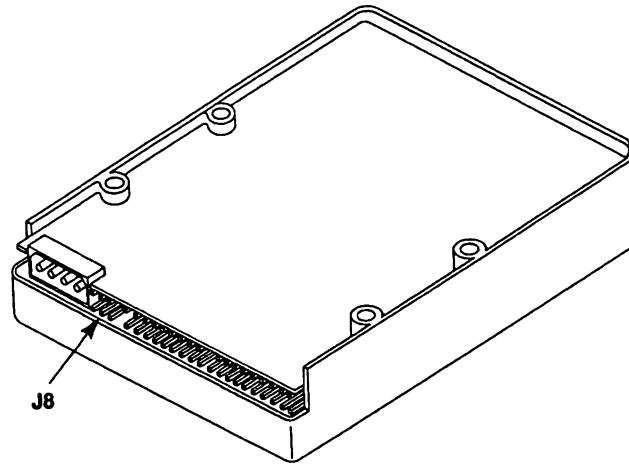


Figure 364. Western Digital AC2120 120MB IDE Hard Drive 25-4127
Western Digital AC2170 170MB IDE Hard Drive 25-7110
Western Digital AC2250 255MB IDE Hard Drive 25-7120
Western Digital AC2340 340MB IDE Hard Drive 25-7130

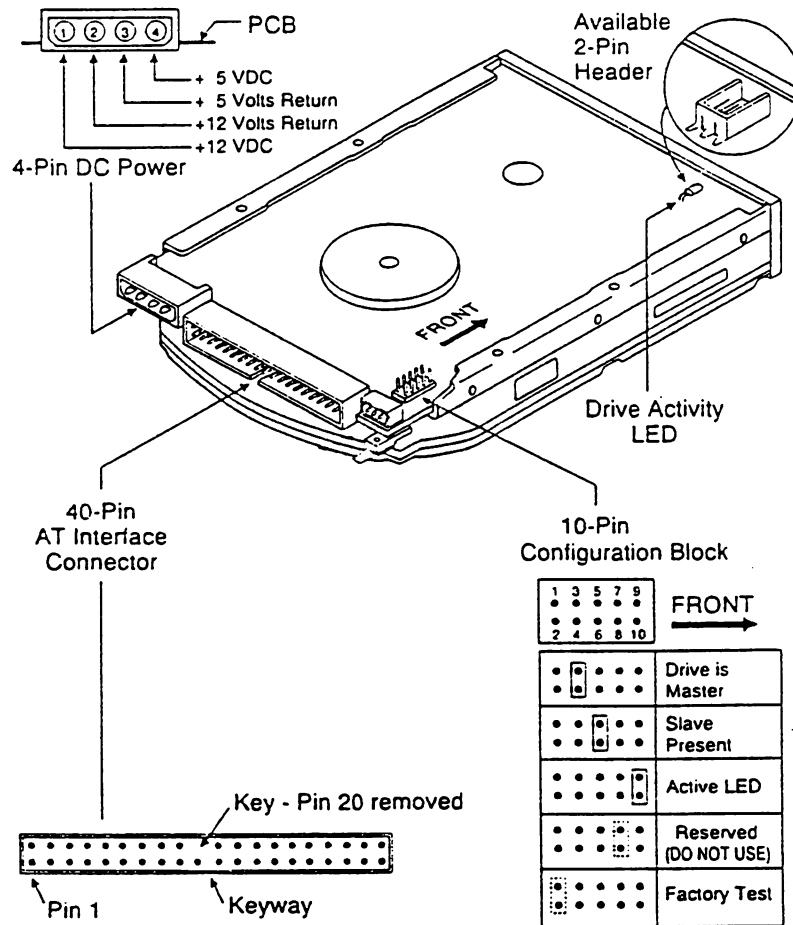


Figure 365. Seagate ST3120A 107MB IDE Hard Drive 25-7100

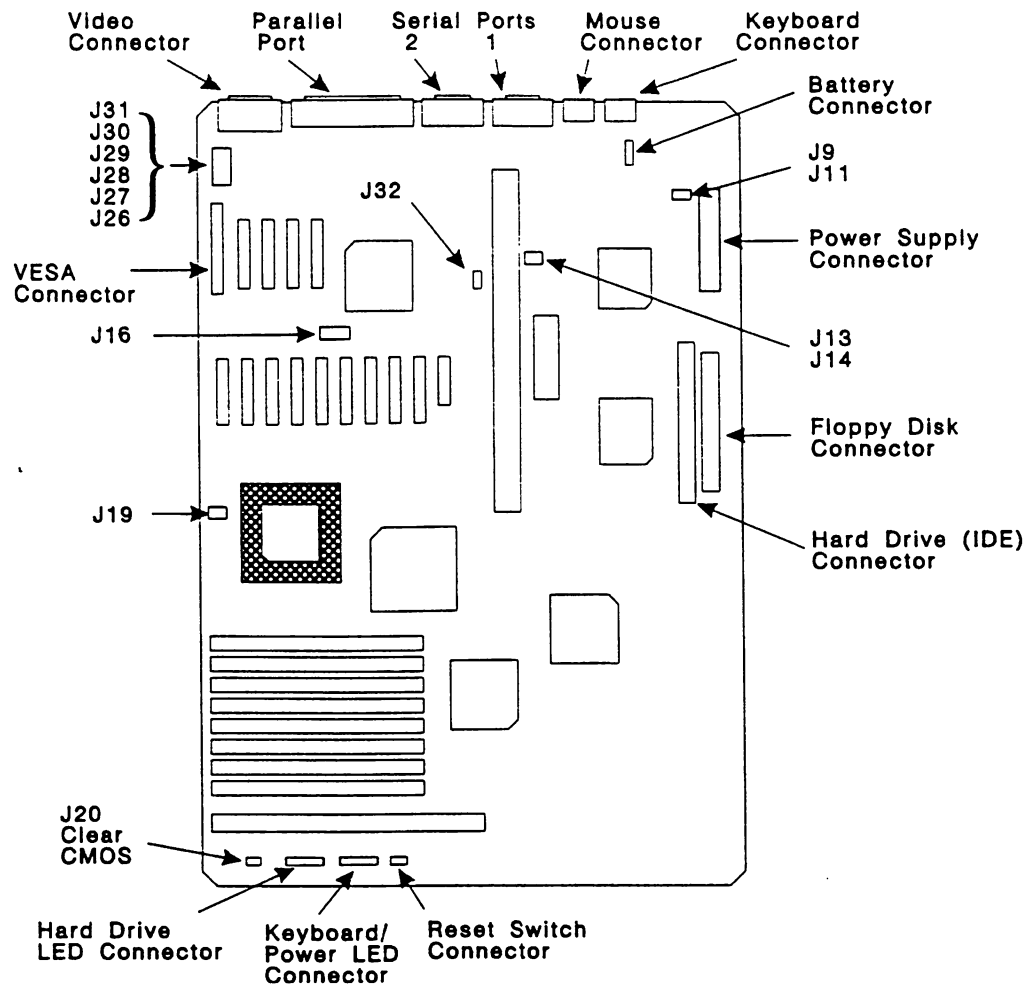


Figure 366. Tandy Omni Profile Series Main Logic Board 25-5146/47/48/49/50

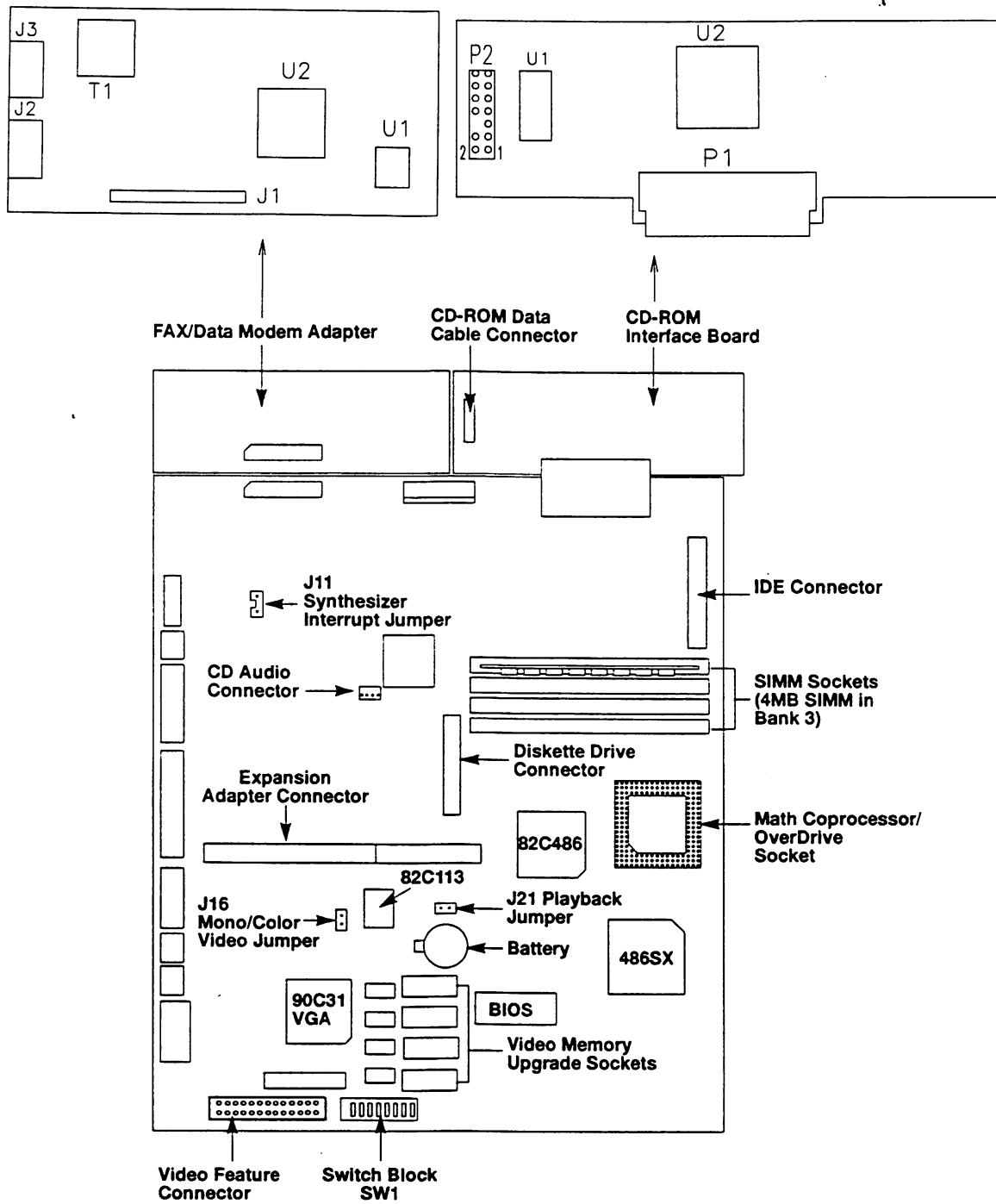
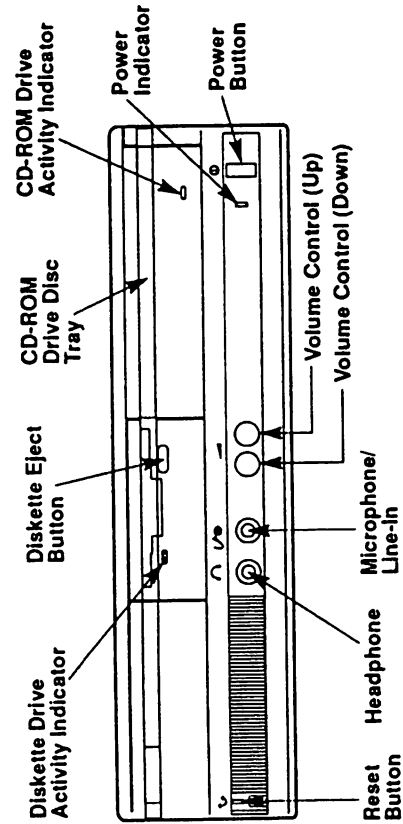
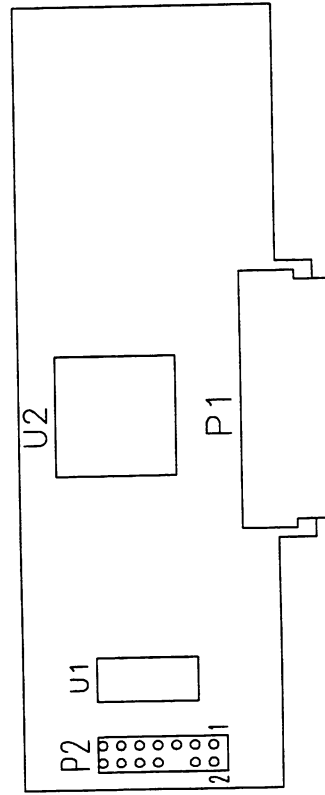


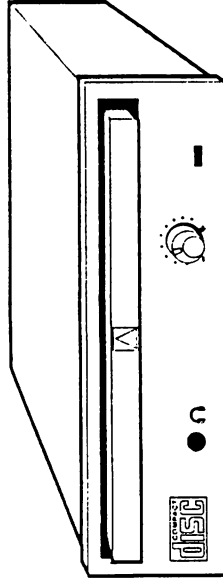
Figure 367. Tandy Sensation! Main Logic Board 25-1650
 FAX/Data Modem Adapter 25-1650
 CD-ROM Interface Board 25-1650



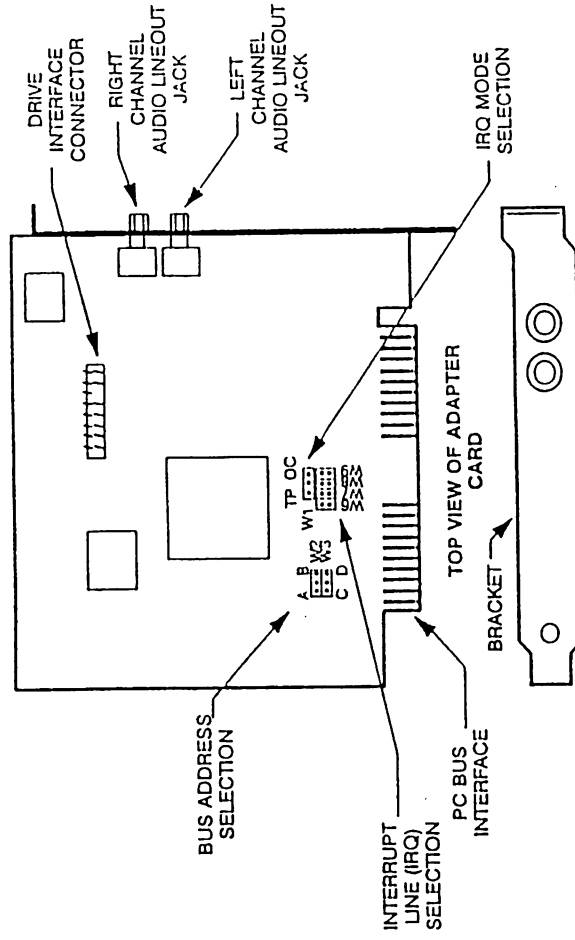
Front view of Sensation! showing the LMS CM-205 CD-ROM (with no external external control)



Interface board for LMS CM-205 CD-ROM internal to the Sensation!



Front view of Internal Stand Alone Version CDR-1100 CD-ROM (with external volume control)



SIDE VIEW OF ADAPTER CARD

Interface board for the Internal Stand Alone Version CDR-1100 CD-ROM 25-1092

Figure 368. LMS CM-205 CDR-1100 CD-ROM Internal Stand Alone Version 25-1092
LMS CM-205 CD-ROM for Sensa 25-1650

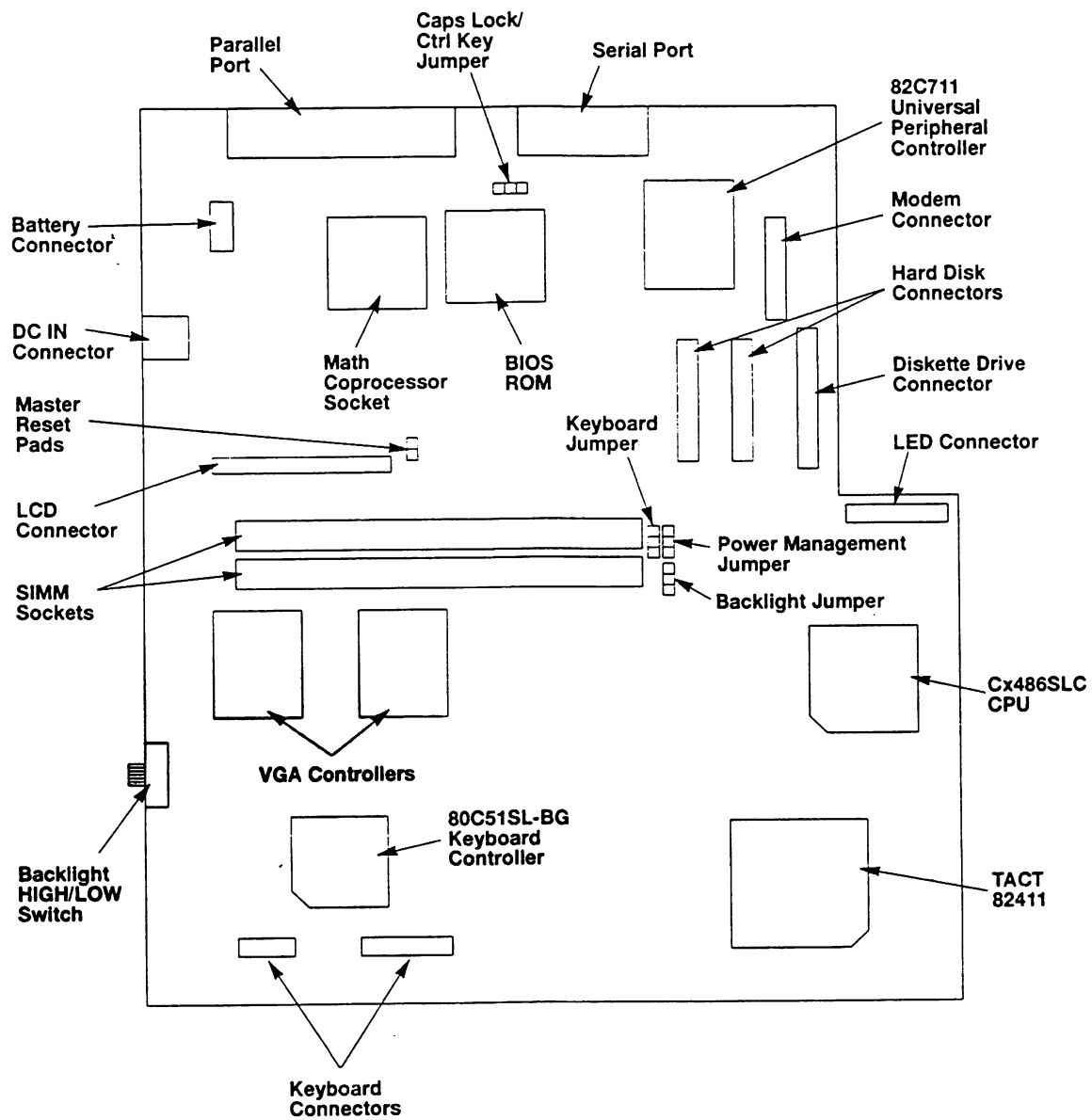


Figure 369. Tandy 3800HD Main Logic Board 25-3533

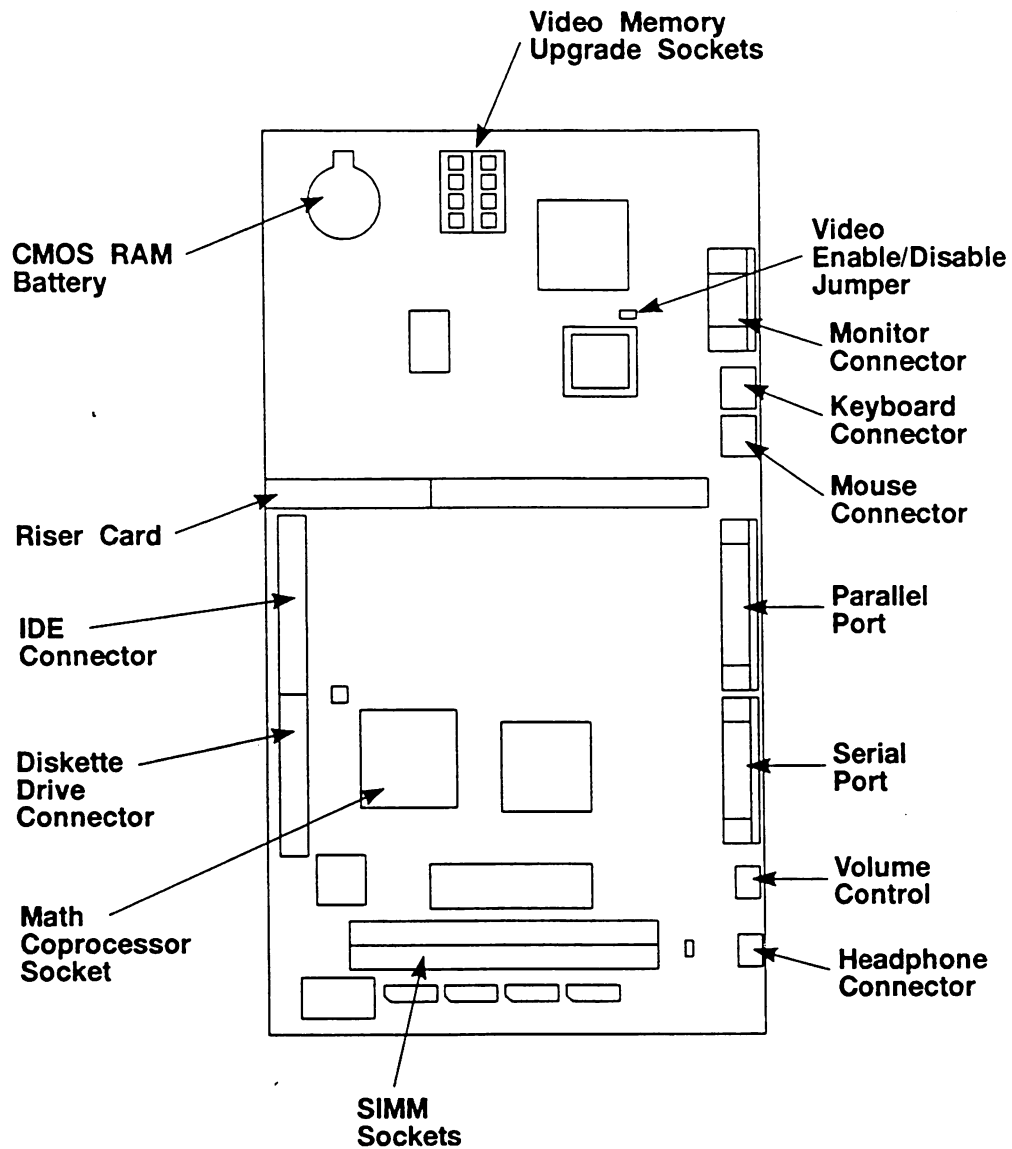
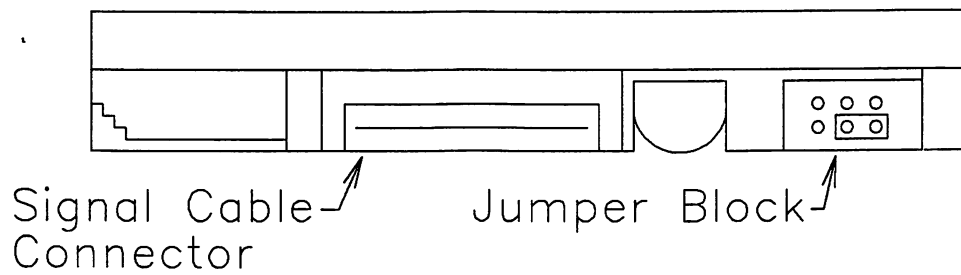


Figure 370. Tandy 2500SX/33 Main Logic Board 25-1623



REAR VIEW

Figure 371. Mitsumi D359C 1.44MB Floppy Drive

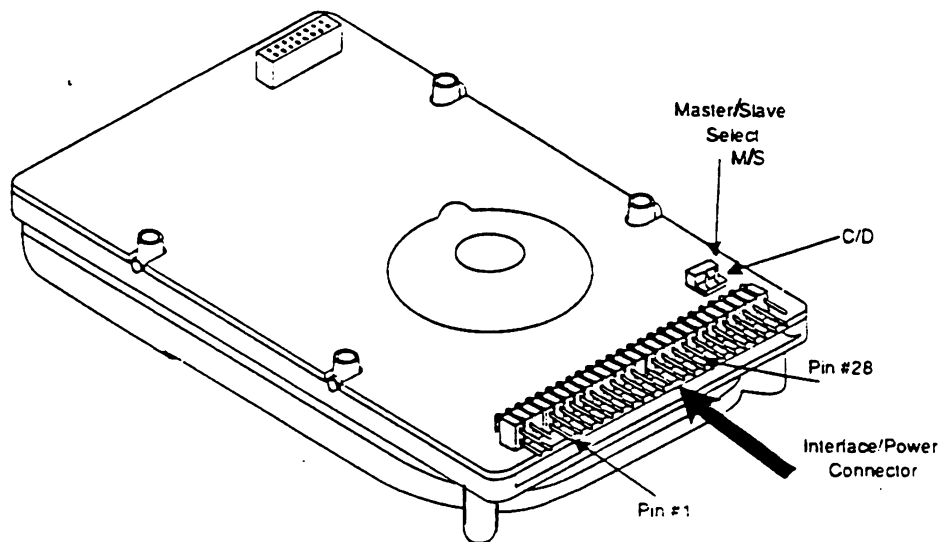


Figure 372. Conner CP2084 80MB IDE Hard Drive

To select this BIOS Address	E1	E2
C800H (default)	off	off
CA00H	on	off
CC00H	off	on
CE00H	on	on

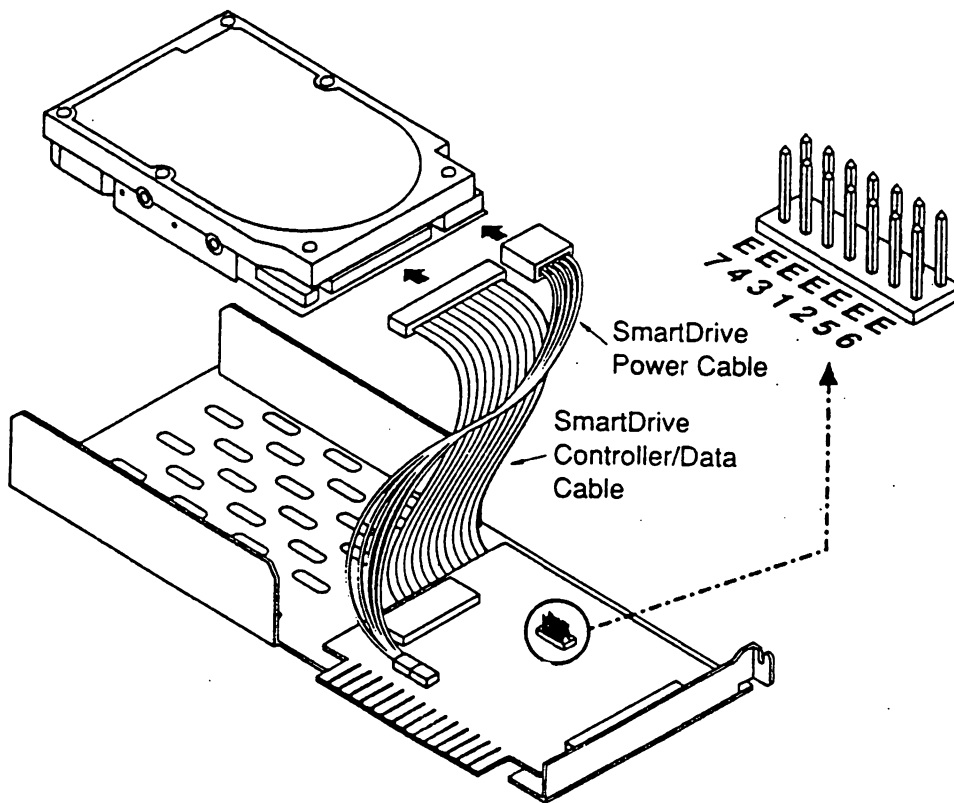
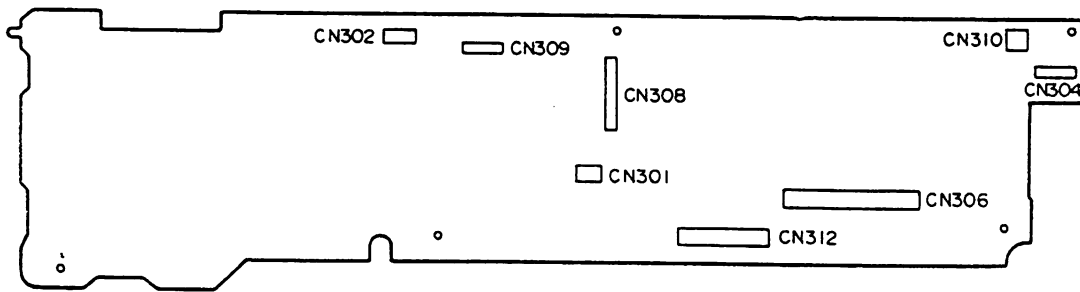
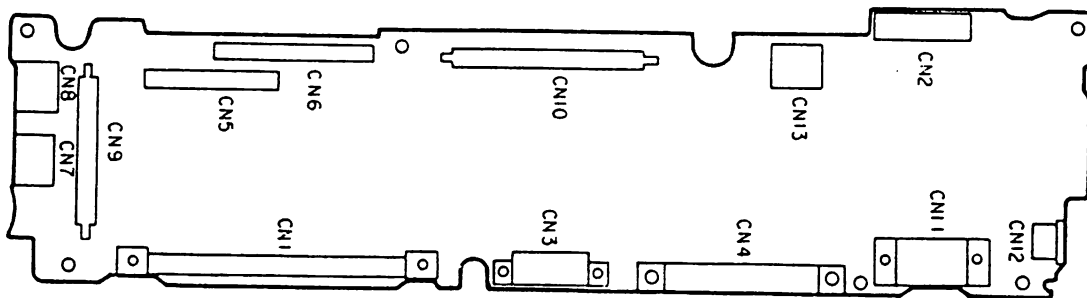


Figure 373. AT-IDE Controller Board 25-1095



Top View of Main P.C.B. (Upper)



Top View of Main PCB (Lower)

Figure 374. Tandy 3830SL Main Logic Board 25-3573
Tandy 3830SLC Main Logic Board 25-3576

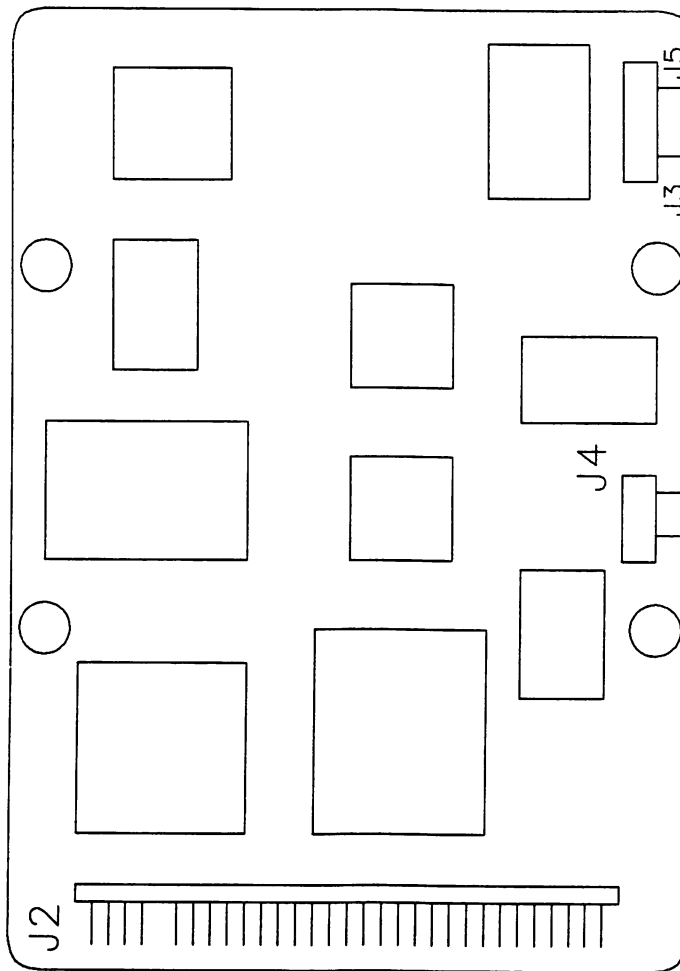


Figure 375. Western Digital WDAH260 Tidbit 60MB IDE Hard Drive
25-3539/40

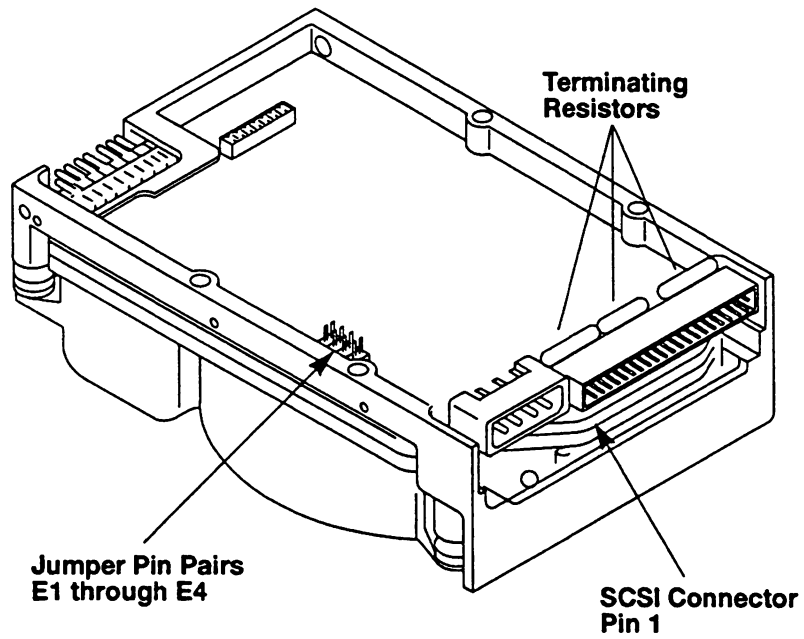


Figure 376. Conner 540MB SCSI Hard Drive 25-4168

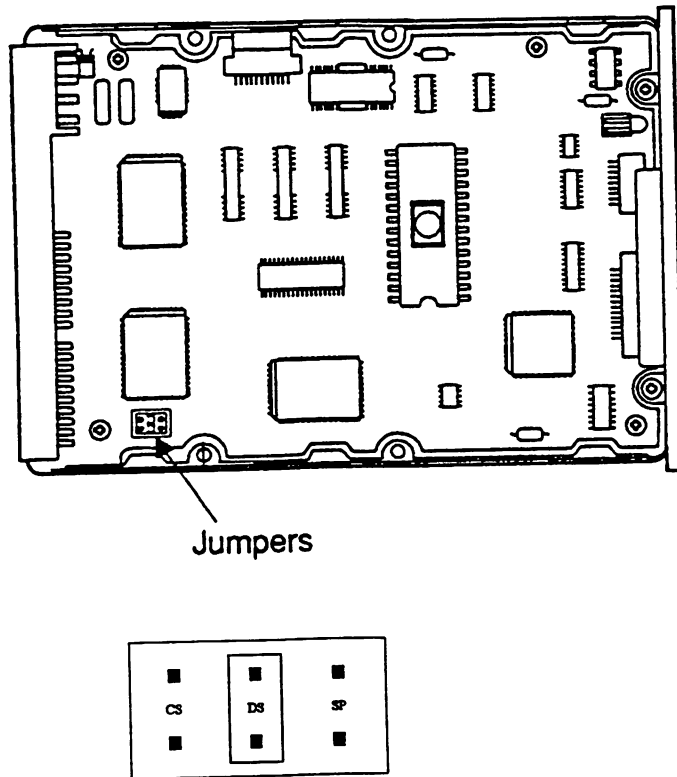
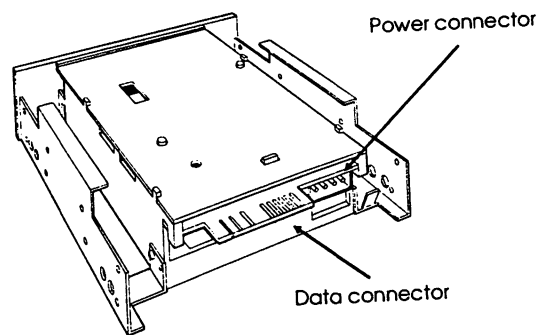
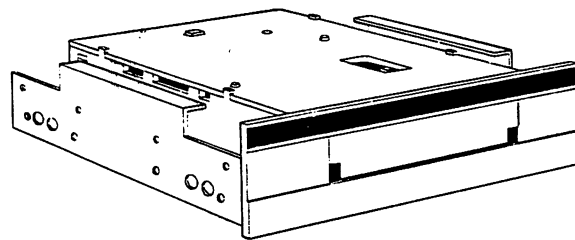


Figure 377. Quantum LPS240AT 240MB IDE Hard Drive 25-4126



Rear View



Front View

Figure 378. 60MB/120MB Internal Tape Drive 25-4079A

10/09 20/09

The Government of the United Kingdom
has received information from the
United States of America that the
United States of America is in the
process of withdrawing its
troops from Vietnam. The
Government of the United Kingdom
is pleased to hear that the
United States of America is
taking steps to bring about
a peaceful settlement of the
Vietnam conflict.

THE GOVERNMENT OF THE UNITED KINGDOM
HAS RECEIVED INFORMATION FROM THE
UNITED STATES OF AMERICA THAT THE
UNITED STATES OF AMERICA IS IN THE
PROCESS OF WITHDRAWING ITS
TROOPS FROM VIETNAM.

NOTES

1. The Government of the United Kingdom
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2. The Government of the United Kingdom
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United States of America is
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a peaceful settlement of the
Vietnam conflict.

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Radio Shack's nationwide network of service facilities provides quick, convenient, and reliable repair services for all of its computer products, in most instances. Warranty service will be performed in accordance with Radio Shack's Limited Warranty. Non-warranty service will be provided at reasonable parts and labor costs.

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