

DIAGRAMS MANUAL SUPPLEMENT

MODEL 2100S

MICROPROGRAMMABLE SYSTEMS COMPUTER

(FOR 2100S COMPUTERS WITH 8K OR 12K MEMORY)

Note

This manual is a supplement to the HP 2100S Computer
Diagrams Manual, part no. 02100-90164.

ILLUSTRATIONS

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This manual is a supplement to the HP 2100S Microprogrammable Systems Computer *Diagrams Manual*, part no. 02100-90164 and documents the HP 2100S Computer as it is installed in certain computer systems which utilize 8K or 12K memory size rather than the standard 16K memory.

This manual provides replaceable parts lists, parts location diagrams and schematic diagrams for the 4K core stack/sense amplifier card, part no. 02100-60040 used for 12K memory size and the inhibit driver card, part no. 02100-60008, used for 8K memory size. All other cards used for 8K and 12K memory size are documented in the basic manual.

Table 1 and figure 1 show the loading configurations for 8K and 12K memory size. Tables 2 and 3 and figures 2 and 3 provide parts information and schematic diagrams for the A102 Core Stack/Sense Amplifier and A105 Inhibit Driver Cards installed in the computer for 12K and 8K memory size, respectively.

Table 1. Memory Section Card Part Numbers

CARD	MEMORY SIZE	
	8K	12K
4K Core Stack/Sense Amplifier (02100-60040)	—	A102
8K Core Stack/Sense Amplifier	A103	A103
X-Y Driver/Switch (02100-60012)	A104	A101, A104
Inhibit Driver (02100-60008)	A105	—
Inhibit Driver (02100-60009)	—	A105
Inhibit Driver Load (02100-60010)	A106	A106
Data Control (02100-60011)	A107	A107

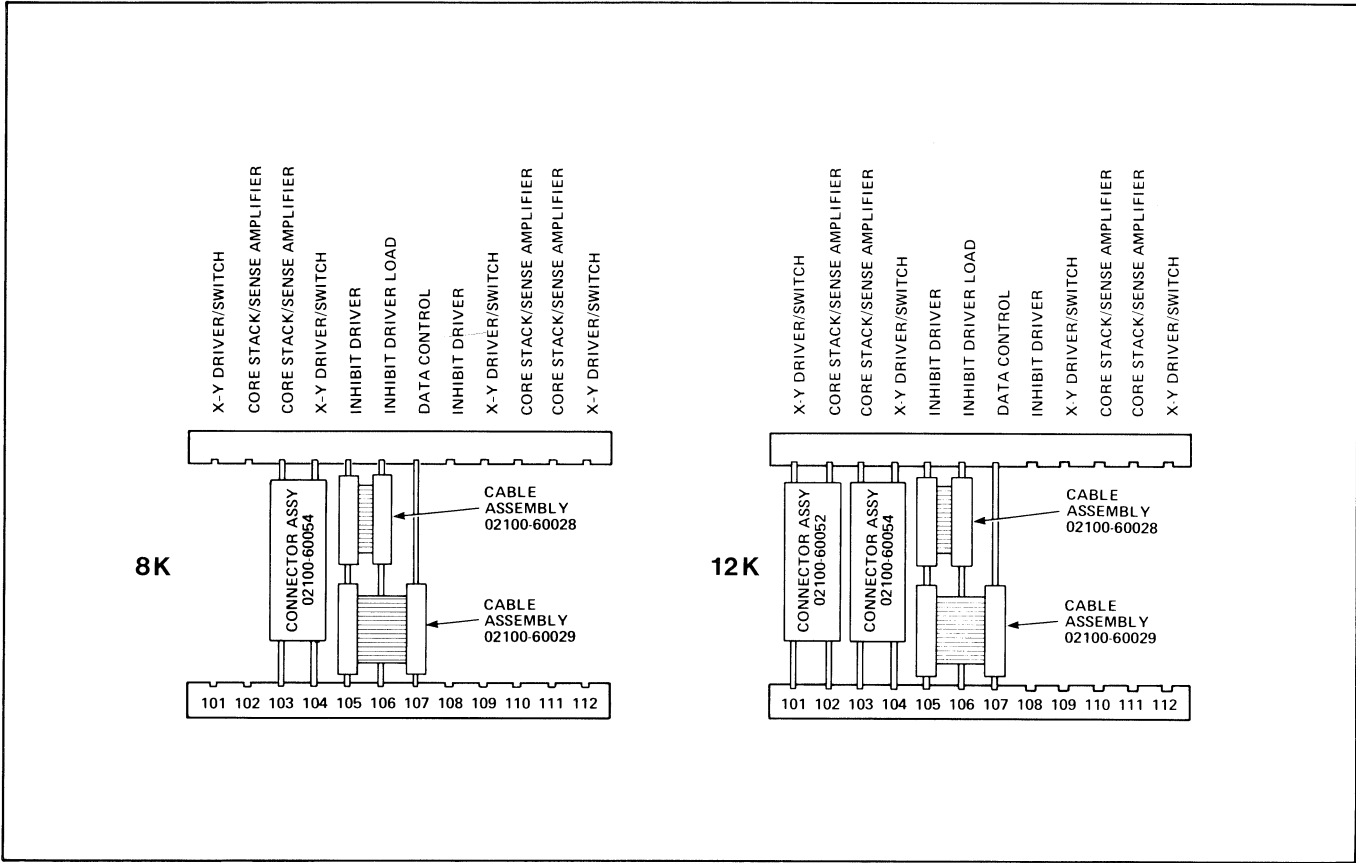


Figure 1. Card Cage Loading Configuration for 8K and 12K Memory Size

Table 2. A102 Core Stack/Sense Amplifier Card (4K), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102	C2100-60040	2	CORE STACK/SENSE AMPL CARD-4K	28480	C2100-60040
A102A1	5087-0002	2	4K CORE STACK ASSY	28480	5087-0002
A102C1	0160-2055	9	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C3	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C4	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C5	0160-0127	9	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C6	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C7	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C8	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C9	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C10	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C15	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A102C16	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C17	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C18	0160-2307	1	C:FXD MICA 47 PF 5%	28480	0160-2307
A102C19 (NOTE1)	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C20 (NOTE1)	0180-0229	3	C:FXD ELECT 33 UF 10% 10VDCW	28480	0180-0229
A102C21 (NOTE1)	0180-0229		C:FXD ELECT 33 UF 10% 10VDCW	28480	0180-0229
A102C22 (NOTE1)	0180-0229		C:FXD ELECT 33 UF 10% 10VDCW	28480	0180-0229
A102CR1	1910-0016	1	DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	02361
A102Q1	1854-0215	18	TSTR:SI NPN	80131	2N3904
A102Q2	1853-0086	35	TSTR:SI PNP	80131	2N5087
A102Q3	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q4	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q5	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q6	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q7	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q8	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q9	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q10	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q11	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q12	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q13	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q14	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q15	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q16	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q17	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q18	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q19	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q20	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q21	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q22	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q23	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q24	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q25	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q26	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q27	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q28	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q29	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q30	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q31	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q32	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q33	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q34	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q35	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q36	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q37	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q38	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q39	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q40	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q41	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q42	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q43	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q44	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q45	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q46	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q47	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q48	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q49	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q50	1854-0215		TSTR:SI NPN	80131	2N3904

NOTES: 1. First used on card rev. 1148.

Table 2. A102 Core Stack/Sense Amplifier Card (4K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102Q51	1853-0C86	34	TSTR:SI PNP	80131	2N5087
A102Q52	1853-0086		TSTR:SI PNP	80131	2N5087
A102Q53	1854-0215		TSTR:SI NPN	80131	2N3904
A102R1	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R2	C757-0290	17	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R3	C698-3447	17	R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R4	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R5	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R6	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R7	0698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R8	C757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R9	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R10	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R11	C757-0290	17	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R12	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R13	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R14	C757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R15	C698-3447	17	R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R16	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R17	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R18	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R19	0698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R20	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R21	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R22	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R23	C757-0290	17	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R24	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R25	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R26	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R27	C698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R28	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R29	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R30	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R31	0698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R32	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R33	C698-3441		R:FXD MET FLM 215 OHM 1% 1/8W	28480	0698-3441
A102R34	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A102R35	0757-0417	1	R:FXD MET FLM 562 OHM 1% 1/8W	28480	0757-0417
A102R36	0757-0420	1	R:FXD MET FLM 750 OHM 1% 1/8W	28480	0757-0420
A102R37	0698-0082	1	R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A102R38	1810-0045	3	RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R39	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R40	2100-2061		R:VAR FLM 200 OHM 10% LIN 1/2W	28480	2100-2061
A102R41	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R42	C698-7310	1	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R43	C698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R44	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R45	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R46	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R47	C698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R48	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R49	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R50	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R51	0698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R52	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R53	C757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R54	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R55	0757-0290	17	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R56	C698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R57	C698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R58	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R59	0698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R60	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R61	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R62	C698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R63	0698-3447	17	R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R64	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R65	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R66	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R67	0757-0290	17	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R68	C698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R69	C698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R70	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R71	0698-7310	17	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R72	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310

Table 2. A102 Core Stack/Sense Amplifier Card (4K), Replaceable Parts (Continued)

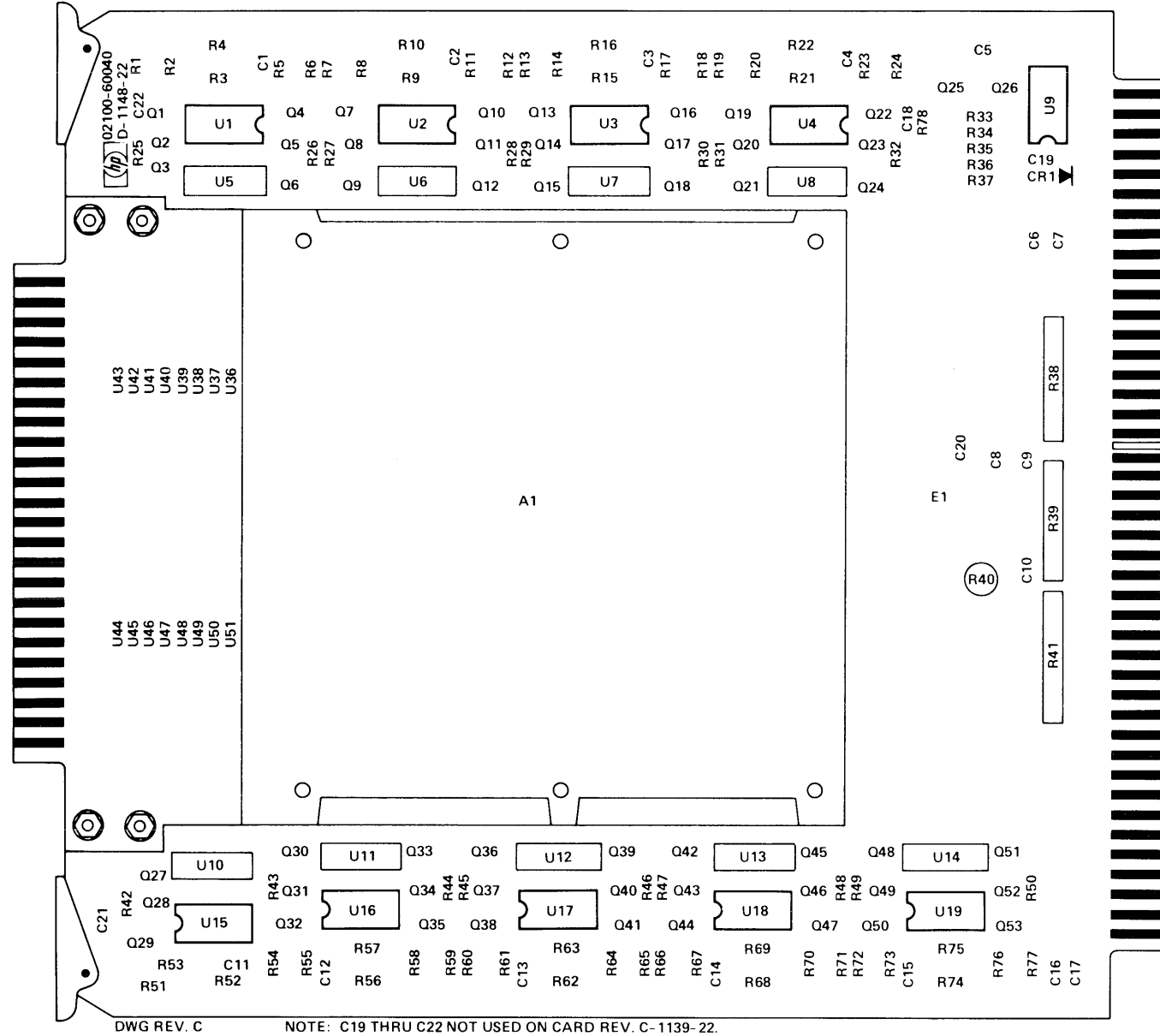
Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102R73	C757-0290	1 9	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R74	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R75	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R76	C757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R77	C698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R78	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A102U1	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U2	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U3	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U4	1858-0C01	1	TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U5	0960-0111		BALUN MODULE	28480	0960-0111
A102U6	0960-0111		BALUN MODULE	28480	0960-0111
A102U7	0960-0111		BALUN MODULE	28480	0960-0111
A102U8	0960-0111		BALUN MODULE	28480	0960-0111
A102U9	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A102U10	0960-0111		BALUN MODULE	28480	0960-0111
A102U11	0960-0111		BALUN MODULE	28480	0960-0111
A102U12	0960-0111		BALUN MODULE	28480	0960-0111
A102U13	0960-0111	16	BALUN MODULE	28480	0960-0111
A102U14	0960-0111		BALUN MODULE	28480	0960-0111
A102U15	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U16	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U17	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U18	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U19	1858-0C01		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U36 THRU A102U51	5087-1013		DIODE MODULE	28480	5087-1013

CAUTION

RETURN THIS CIRCUIT CARD TO THE FACTORY FOR REPAIR. FIELD REPLACEMENT OF ANY COMPONENT WILL VOID THE WARRANTY ON THE CARD.

TO AVOID BREAKING WIRES IN CORE STACK A1, DO NOT PRESS ON THE TOP OR BOTTOM OF THE STACK.

- NOTES:
1. THIS CARD MUST NOT BE REPAIRED IN THE FIELD. FIELD REMOVAL OR REPLACEMENT OF ANY COMPONENT VOIDS THE WARRANTY ON THE CARD.
 2. RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN UF UNLESS OTHERWISE SPECIFIED.
 3. * INDICATES PIN NUMBERS OF 48-PIN CONNECTOR. ALL OTHER PIN NUMBERS ARE FOR 86-PIN CONNECTOR.
 4. NUMERALS WITHIN BRACKETS [] ARE WIRING LIST REFERENCE NUMBERS.
 5. EACH FERRITE CORE SHOWN REPRESENTS 4,096 CORES.
 6. 1 INDICATES SELECTED RESISTOR. R2, R5, AND R8 SELECTED FROM 5.11K, 5.62K, 6.19K, 6.81K, 7.50K, OR 8.25K. R11, R14, R17, R20, R23, R53, R55, R56, R61, R64, R67, R70, R73, R76 SELECTED FROM 5.62K OR 6.19K. NORMAL VALUES SHOWN.
 7. C19 THRU C22 NOT USED ON CARD REV. 1139.



See table 2 for replaceable parts.

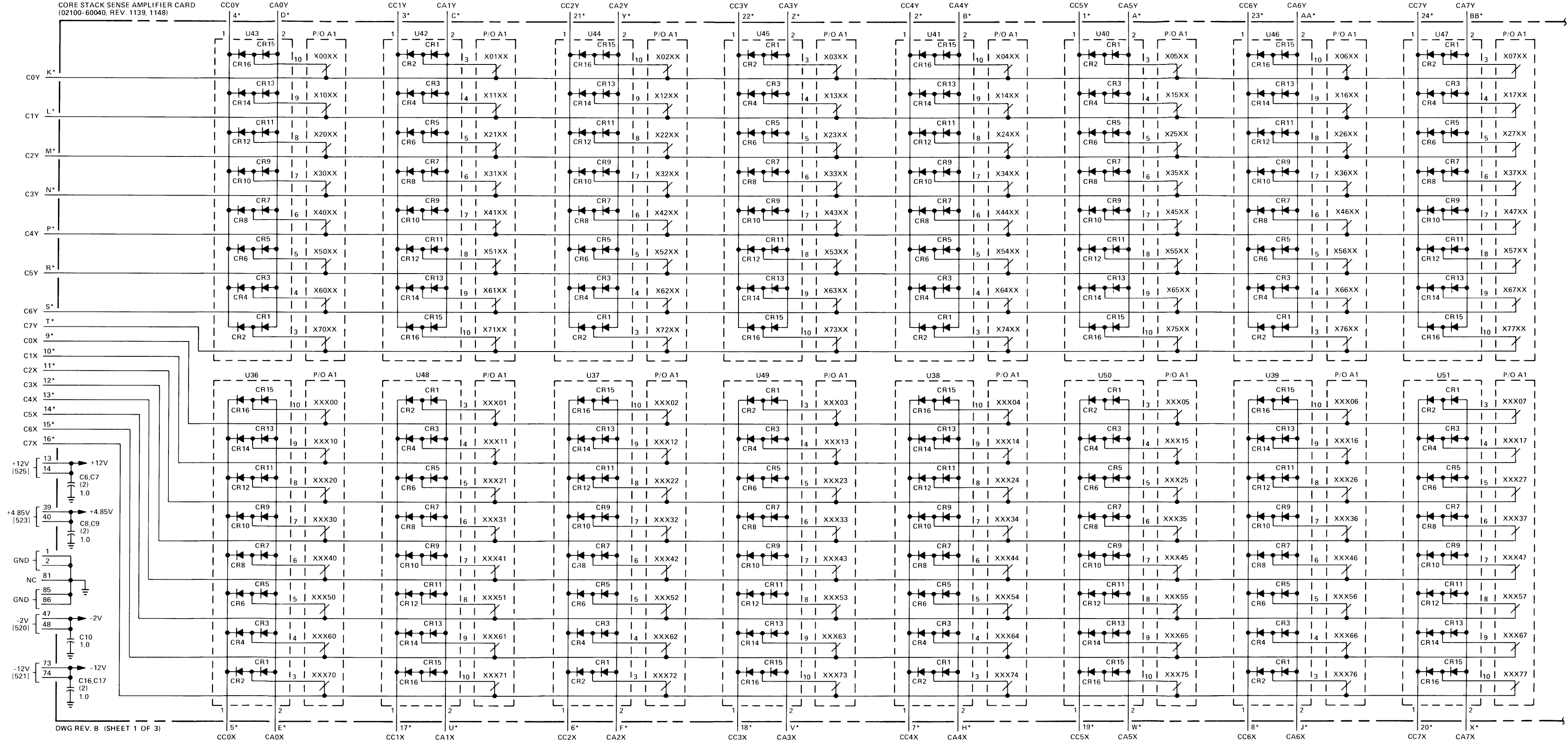
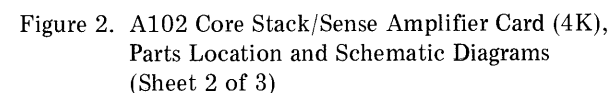


Figure 2. A102 Core Stack/Sense Amplifier Card (4K), Parts Location and Schematic Diagrams (Sheet 1 of 3)



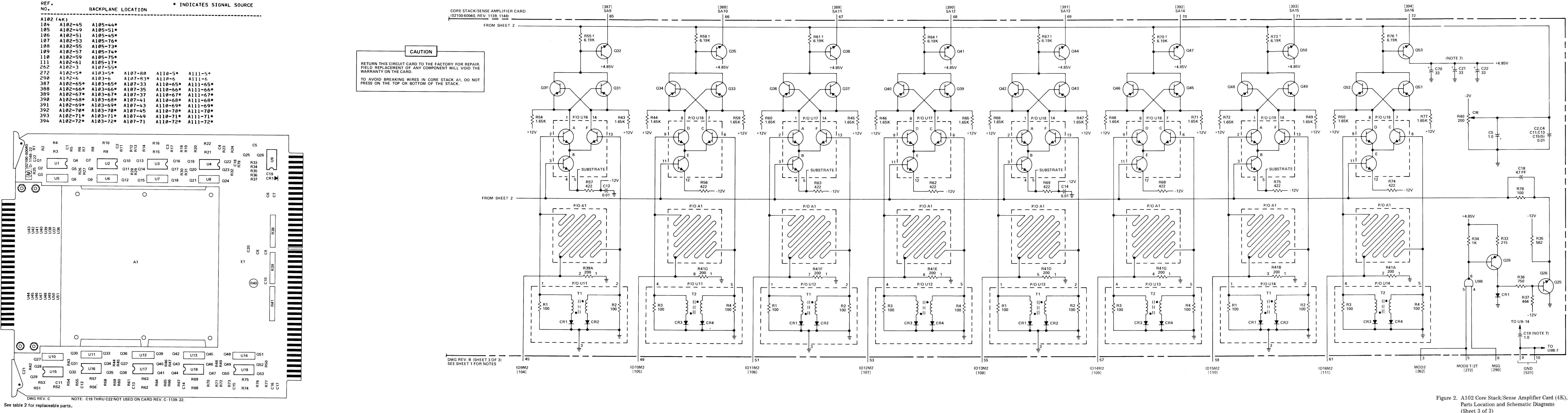


Table 3. A105 Inhibit Driver Card (8K), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105	02100-60008	1	INHIBIT DRIVER CARD-8K	28480	02100-60008
A105C1	0160-0127	10	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C2	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C3	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C4	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C7	0160-0128	3	C:FXD CER 2.2 UF 20% 25VDCW	56289	5C152C2S-CML
A105C8	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C9	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C10	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C14	0180-0116	1	C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X903582-DYS
A105C15	0180-0374	1	C:FXD TANT. 10 UF 10% 20VDCW	56289	150D106X902082-DYS
A105C16	0160-0128		C:FXD CER 2.2 UF 20% 25VDCW	56289	5C152C2S-CML
A105C17	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C18	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C19	0160-0127	34	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C23	0160-0128		C:FXD CER 2.2 UF 20% 25VDCW	56289	5C152C2S-CML
A105CR1	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR2	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR3	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR4	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR5	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR6	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR7	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR8	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR9	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR10	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR21	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR22	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR23	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR24	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR25	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR26	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR27	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR28	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR29	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR30	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR31	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR32	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR45	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR46	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR47	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR48	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR49	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR50	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR51	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR52	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR53	1901-0620	34	DIODE BREAKDOWN	28480	1901-0620
A105CR54	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR55	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR56	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105Q1	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q2	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q3	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q4	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q5	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q11	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q12	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q13	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q14	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q15	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q21	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q22	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q23	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q24	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q25	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q26	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q33	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q34	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q35	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q36	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q37	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q38	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q45	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q46	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q47	1854-0532	34	TSTR:SI NPN	02735	2N5262
			TSTR:SI NPN	02735	2N5262
			TSTR:SI NPN	02735	2N5262
			TSTR:SI NPN	02735	2N5262

Table 3. A105 Inhibit Driver Card (8K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105Q48	1854-0532	18	TSTR:SI NPN	02735	2N5262
A105Q49	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q50	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q57	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q58	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q59	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q60	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q61	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q62	1854-0532		TSTR:SI NPN	02735	2N5262
A105R1	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R2	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R3	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R4	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R5	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R6	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R7	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R8	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R9	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R10	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R11	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R12	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R14	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R15	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R19	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R24	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R29	C757-0394	9	R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R30	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R31	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R32	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R33	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R34	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R35	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R36	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R37	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R38	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R39	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R40	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R41	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R42	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R43	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R44	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R49	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R54	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R59	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R60	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R61	C757-0403	9	R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R62	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R63	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R64	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R65	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R66	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R67	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R68	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R69	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R70	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R71	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R72	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R73	C757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R74	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R79	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R84	C757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105T1	9100-3180		TRANSFORMER	28480	9100-3180
A105T2	9100-3180		TRANSFORMER	28480	9100-3180
A105T3	9100-3180		TRANSFORMER	28480	9100-3180
A105T6	9100-3180		TRANSFORMER	28480	9100-3180
A105T7	9100-3180	1	TRANSFORMER	28480	9100-3180
A105T8	9100-3180		TRANSFORMER	28480	9100-3180
A105T12	9100-3180		TRANSFORMER	28480	9100-3180
A105T13	9100-3180		TRANSFORMER	28480	9100-3180
A105T14	9100-3180		TRANSFORMER	28480	9100-3180
A105U11	1820-0140		IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A105U12	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U13	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U14	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U31	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N

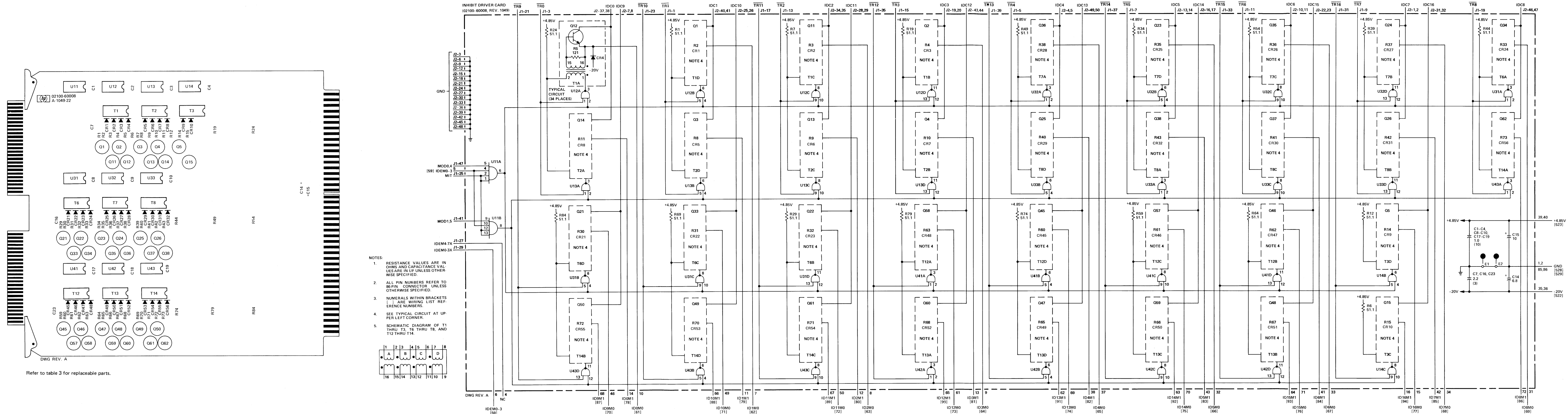
Table 3. A105 Inhibit Driver Card (8K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105U32	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U33	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U41	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U42	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U43	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N

REF. * INDICATES SIGNAL SOURCE
NO. BACKPLANE LOCATION

A105 (8K)

59	A105-5	A105-6
61	A103-25	A105-10*
62	A103-27	A105-7*
63	A103-29	A105-8*
64	A103-31	A105-9*
65	A103-33	A105-37*
66	A103-35	A105-32*
67	A103-37	A105-33*
68	A103-41	A105-34*
69	A103-43	A105-31*
70	A103-45	A105-46*
71	A103-49	A105-49*
72	A103-51	A105-50*
73	A103-53	A105-61*
74	A103-55	A105-69*
75	A103-57	A105-70*
76	A103-59	A105-71*
77	A103-61	A105-15*
78	A103-26	A105-14*
79	A103-28	A105-11*
80	A103-30	A105-12*
81	A103-32	A105-13*
82	A103-34	A105-38*
83	A103-36	A105-43*
84	A103-38	A105-41*
85	A103-42	A105-42*
86	A103-44	A105-72*
87	A103-46	A105-68*
88	A103-50	A105-66*
89	A103-52	A105-67*
90	A103-54	A105-65*
91	A103-56	A105-62*
92	A103-58	A105-63*
93	A103-60	A105-64*
94	A103-62	A105-16*



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Tel: (716) 473-9500
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