

HP 3245A

Universal Source

Mainframe and Assemblies

Component Level Information Packet

This is the Component Level Information Packet (CLIP) for HP 3245A Mainframe and Assemblies. This packet contains schematics, component locators, and parts lists for the Standard version and for the Option 002 (High-Voltage) version.



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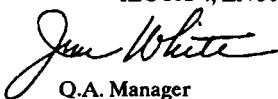
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According to ISO/IEC Guide 22 and EN 45014

The Hewlett-Packard Company declares that the HP 3245A conforms to the following Product Specifications.

Safety:	IEC 1010 CSA 231 UL 1244
EMC:	CISPR 11,EN 55011, Class A IEC 801-2, EN 50082-1, 4kVCD, 8kVAD IEC 801-3, EN 50082-1, 3 V/M IEC 801-4, EN 50082-1, 1kV


Q.A. Manager
December 1991

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Printing History

The Printing History shown below lists all Editions and Updates of this manual and the printing date(s). The first printing of the manual is Edition 1. The Edition number increments by 1 whenever the manual is revised. Updates, which are issued between Editions, contain replacement pages to correct the current Edition of the manual. Updates are numbered sequentially starting with Update 1. When a new Edition is created, it contains all the Update information for the previous Edition. Each new Edition or Update also includes a revised copy of this printing history page. Many product updates or revisions do not require manual changes and, conversely, manual corrections may be done without accompanying product changes. Therefore, do not expect a one-to-one correspondence between product updates and manual updates.

Edition 1 (Part Number 03245-90033) December 1991

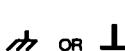
Safety Symbols



Instruction manual symbol affixed to product. Indicates that the user must refer to the manual for specific Warning or Caution information to avoid personal injury or damage to the product.



Indicates the field wiring terminal that must be connected to earth ground before operating the equipment — protects against electrical shock in case of fault.



Frame or chassis ground terminal — typically connects to the equipment's metal frame.



Alternating current (AC).



Direct current (DC).



Indicates hazardous voltages.

WARNING

Calls attention to a procedure, practice, or condition that could cause bodily injury or death.

CAUTION

Calls attention to a procedure, practice, or condition that could possibly cause damage to equipment or permanent loss of data.

WARNINGS

The following general safety precautions must be observed during all phases of operation, service, and repair of this product. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture, and intended use of the product. Hewlett-Packard Company assumes no liability for the customer's failure to comply with these requirements.

Ground the equipment: For Safety Class 1 equipment (equipment having a protective earth terminal), an uninterrupted safety earth ground must be provided from the mains power source to the product input wiring terminals or supplied power cable.

DO NOT operate the product in an explosive atmosphere or in the presence of flammable gases or fumes.

For continued protection against fire, replace the line fuse(s) only with fuse(s) of the same voltage and current rating and type. DO NOT use repaired fuses or short-circuited fuseholders.

Keep away from live circuits: Operating personnel must not remove equipment covers or shields. Procedures involving the removal of covers or shields are for use by service-trained personnel only. Under certain conditions, dangerous voltages may exist even with the equipment switched off. To avoid dangerous electrical shock, DO NOT perform procedures involving cover or shield removal unless you are qualified to do so.

DO NOT operate damaged equipment: Whenever it is possible that the safety protection features built into this product have been impaired, either through physical damage, excessive moisture, or any other reason, REMOVE POWER and do not use the product until safe operation can be verified by service-trained personnel. If necessary, return the product to a Hewlett-Packard Sales and Service Office for service and repair to ensure that safety features are maintained.

DO NOT service or adjust alone: Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.

DO NOT substitute parts or modify equipment: Because of the danger of introducing additional hazards, do not install substitute parts or perform any unauthorized modification to the product. Return the product to a Hewlett-Packard Sales and Service Office for service and repair to ensure that safety features are maintained.

HP 3245A REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
	03245-80000	1	STANDARD KIT	28480	03245-80000
	03245-04102	1	COVER-BNC FRONT PANEL	28480	03245-04102
	6960-0142	1	PLUG-HOLE DOME-HD FOR .562-D-HOLE	28480	6960-0142
LBL1	03245-60201	1	FRONT PANEL ASSEMBLY	28480	03245-60201
MP1	03245-40201	1	PANEL-FRONT	28480	03245-40201
MP2	03245-81901	1	SW-PADS,RUBBER	28480	03245-81901
* A7	03245-69301	1	WINDOW-DISPLAY SS	28480	03245-69301
SCW1	03458-66507	1	DISPLAY LOGIC PRINTED CIRCUIT BOARD	28480	03458-66507
	0624-0681	1	SCREW-TPG 4-20 .25-IN-LG PAN-HD-TORX	28480	0624-0681
	03245-84302	1	LABEL-PANEL,REAR	28480	03245-84302
	03245-00101	1	DECK-SOURCE BRD	28480	03245-00101
	0361-1228	3	RIVET-SEMITUB OVH .146DIA .188LG	28480	0361-1228
	0590-1088	3	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	46384	S-M3-2-ZI
	0590-1298	7	THREADED INSERT-STDF M3 X 0.5 12-MM-LG	46384	BSOS-3.5M3-12
	0590-1720	7	THREADED INSERT-STDF M3 X 0.5 25-MM-LG	46384	BSOS-3.5M3-25
	1400-0617	3	CLIP-SPRING .375-DIA .375-WD PLASTIC	06915	TC-30-1
	7204-0575	2	ALUMINUM SH .08IN 32IN 48IN AA5052-H321	28480	7204-0575
	03245-04101	1	PLATE-BNC TERMINAL	28480	03245-04101
	03245-04701	3	SPACER-BNC MOUNTING	28480	03245-04701
	03245-24701	1	SPACER-HEX F/F M3.0X50MM	28480	03245-24701
	03245-61604	1	3M RIBBON 40P/20P CABLE ASSEMBLY	28480	03245-61604
	03245-90032	1	CUSTOMER QUALITY AUDIT FORM	28480	03245-90032
	0515-0372	27	SCREW-MACHINE ASSEMBLY M3 X 0.5 8MM-LG	28480	0515-0372
	5180-0409	1	SPRING CLIP	28480	5180-0409
	5180-6646	1	CARTON-CORRUGATED	28480	5180-6646
	7124-2083	1	LABEL-WARNING 1-IN-WD 3.5-IN-LG PPR	28480	7124-2083
	8120-1378	1	CABLE ASSEMBLY 18AWG	16428	CH7081
	8160-0470	2	RFI STRIP-FINGERS BE-CU SN-PL .38-IN-WD	30817	97-541-02-X
	9222-1266	1	BAG-STAT-DISS POLYETH FLM ENV 4-IN X 6-IN	28480	9222-1266
	9222-1438	2	BAG-STAT-DISS POLYETH FLM ENV 4-IN X 4-IN	71983	CHIPLOC DP
A1	03245-66511	1	PRINTED CIRCUIT BOARD-INGUARD SOURCE	28480	03245-66511
* A2	03245-66502	1	BACKPLANE PRINTED CIRCUIT ASSEMBLY	28480	03245-66502
* A5	03245-66505	1	OUTGUARD LOGIC PRINTED CIRCUIT ASSEMBLY	28480	03245-66505
* A6	03245-66506	1	OUTGUARD POWER SUPPLY PC ASSEMBLY	28480	03245-66506
B1	03458-68501	1	FAN ASSEMBLY	28480	03458-68501
	1252-1878	2	CONTACT-CONNECTOR U/W-POST-TYPE FEM CRIMP	27264	18-02-0088
	1252-2519	1	CONNECTOR-POST TYPE .100-PIN-SPCG 2-CONTACT	27264	50-57-9402
	3160-0492	1	FAN-TUBEAXIAL 12.4-CFM 12VDC	28480	3160-0492
CVR1	03458-04101	1	COVER, TOP	28480	03458-04101
	7204-0810	4	ALUMINUM SHEET .064IN 24IN 48IN AA5005-H	28480	7204-0810
CVR2	03458-04102	1	COVER, BOTTOM	28480	03458-04102
	7204-0810	4	ALUMINUM SHEET .064IN 24IN 48IN AA5005-H	28480	7204-0810
F1M	2110-0202	1	FUSE .5A 250V 1.25X.25 UL	16428	MDL-1/2
FC2	2110-0565	1	FUSEHOLDER CAP 12A MAX FOR UL	28480	2110-0565
FRM1	03458-00104	1	GUSSET, CENTER	28480	03458-00104
	0361-0015	2	EYELET-FL-FLG .743-OD .177-LG .013-THK	57771	A-610
	0361-0181	2	RIVET-SEMITUB OVH .089DIA .125LG	12014	R3718 X 1/8 TIN
	0361-0231	1	RIVET-SEMITUB OVH .123DIA .218LG	12014	R-3472
	0590-1368	2	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	46384	CLS-M3-2
	1460-1311	1	SPRING, GROUND	28480	1460-1311
	3050-0116	1	WASHER-FL NO. 4 .125-IN-ID .375-IN-OD	28480	3050-0116
	5061-1665	1	CLB 18AWG PVC AMP 41772/AMP 61793-1	28480	5061-1665
	7144-0323	1	STEEL SH .06IN 32IN 48IN AISI 1010	28480	7144-0323
FRM2	03458-00106	1	CHASSIS, MAINFRAME	28480	03458-00106
	0361-0233	2	RIVET-SEMITUB OVH .123DIA .281LG	12014	R-3682
	0590-1086	4	THREADED INSERT-NUT M4 X 0.7 2-MM-LG	46384	S-M4-2-ZI
	0590-1089	1	THREADED INSERT-NUT M2.5 X 0.45 1.5-MM-LG	46384	S-M2.5-2-ZI
	0590-1102	2	THREADED INSERT-NUT M4 X 0.7 1.5-MM-LG	46384	F-M4-1
	0590-1203	2	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	46384	F-M3-1
	0590-1220	3	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	46384	S-M3-1-ZI
	0590-1590	6	THREADED INSERT-STDF M4 X 0.7 10-MM-LG	46384	BSOS-M4-10
	7144-0521	3	STEEL SH .09IN 24IN 55IN AISI 1010	28480	7144-0521
	9135-0187	1	FILTER-LINE CEE-22-TERMS	28480	9135-0187

* IN-DEPTH COMPONENT LOCATOR IN SECTION UNDER INDIVIDUAL HP PART NUMBER.

HP 3245A REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
FRM3	03458-00105 0590-1088 0590-1671 7144-0323	1 3 5 1	CHASSIS, OUTGUARD THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG THREADED INSERT-STDF M3 X 0.5 8-MM-LG STEEL SH .06IN 32IN 48IN AISI 1010	28480 46384 46384 28480	03458-00105 S-M3-2-ZI SOSG-3.5M3-8 7144-0323
HDW1	1510-0038	1	BINDING POST ASSY SGL THD-STUD	74970	111-2223-001
HDW2	2950-0006	1	NUT-HEX-DBL-CHAM 1/4-32-THD .094-IN-THK	73734	9000
HDW3	2190-0027	1	WASHER-LK INTL T 1/4 IN .256-IN-ID	78189	1914-00
HDW4	2190-0119	2	WASHER-FL 15/32 IN .48-IN-ID .75-IN-OD	73734	1499
HDW5-HDW6	2190-0577	2	WASHER-LK NO. 10 .194-IN-ID .294-IN-OD	28480	2190-0577
HDW7-HDW10	2190-0432	4	WASHER-LK 5/16 IN .319-IN-ID .575-IN-OD	28480	2190-0432
HDW11	2190-0119	1	WASHER-FL 15/32 IN .48-IN-ID .75-IN-OD	73734	1499
HDW12	2190-0037	1	WASHER-LK 1/2 IN .512-IN-ID .789-IN-OD	78189	1224-08
HDW13-HDW16	2190-0099	5	WASHER-LK 7/16 IN .472-IN-ID .607-IN-OD	54294	16-886
HDW17-HDW19	2950-0035	5	NUT-HEX-DBL-CHAM 15/32-32-THD	28480	2950-0035
HDW20	2950-0054	1	NUT-HEX-DBL-CHAM 1/2-28-THD .125-IN-THK	28480	2950-0054
HDW21-HDW22	2950-0001	2	NUT-HEX-DBL-CHAM 3/8-32-THD .094-IN-THK	73734	9002
HDW23-HDW24	0360-1632	2	TERMINAL-SOLDER LUG LK-MTG FOR-#3/8-SCR	79963	761-3/8
HDW25	2190-0099	1	WASHER-LK 7/16 IN .472-IN-ID .607-IN-OD	54294	16-886
HDW26-HDW27	2950-0035	1	NUT-HEX-DBL-CHAM 15/32-32-THD	28480	2950-0035
HDW28-HDW29	3050-0604	2	WASHER-FL 7/16 IN .5-IN-ID .75-IN-OD	86928	5710-94-16
HDW30-HDW33	00310-48801	4	INSULATOR	28480	00310-48801
HDW34	3050-0891	1	WASHER-FL 3.0 MM 3.3-MM-ID 6.85-MM-OD	28480	3050-0891
J1-J2	1250-0083	2	CONNECTOR-RF BNC FEM SGL-HOLE FR 50-OHM	24931	28JR130-1
KYC1	5041-0564	1	PB 1/4-COWHT	28480	5041-0564
LBL1	03245-84304	1	LABEL FOR REAR PANEL OPT 02	28480	03245-84304
LBL2	7120-4835	1	LABEL-INFORMATION .75-IN-WD 2-IN-LG PPR	80509	CSA STOCK NO. 8-1113-405
LBL3	03245-84300	1	LABEL-SERIAL NUMBER, 3245A	28480	03245-84300
LBL4	7120-3528	1	LABEL .6-IN-WD 1.8-IN-LG	28480	7120-3528
MNL1	03245-90000	1	USERS MANUAL SET	28480	03245-90000
MP1	03458-01201 0360-1613 0381-0229 0590-1088 7144-0323	1 1 1 8 1	BRACKET, TRANSFORMER TERMINAL-TAB QUICK DISC MALE; 45 DEG RIVET-SEMITUB OVH .123DIA .156LG THREADED INSERT-NUT M4 X 0.7 2-MM-LG STEEL SH .06IN 32IN 48IN AISI 1010	28480 00779 12014 46384 28480	03458-01201 42822-2 R-3472 S-M4-2-ZI 7144-0323
MP4-MP7	03458-24701	4	STANDOFF-HEX, (MALE/FEMALE)	28480	03458-24701
MP8	03458-47901 0590-1666 1390-0793	1 4 4	BENZEL OVERLAY, REAR THREADED INSERT-ULTINST M3.5 X 0.8 FASTENER-CAPTIVE SCREW M4 X 0.7 THD;9.0 MM LG	28480 90201 28480	03458-47901 8075-3.5BR-0038 1390-0793
MP9	03458-84303	1	LABEL, KEYBOARD OVERLAY	28480	03458-84303
MP10	3150-0300	1	FILTER-AIR NYLON 2.3-IN-OD .75-IN-LG	28480	3150-0300
MP11	2190-0586	4	WASHER-LK HLCL 4.0 MM 4.1-MM-ID 7.6-MM-OD	28480	2190-0586
MP12	03458-43701	1	PUSHROD, 186.2 L	28480	03458-43701
MP13-MP15	2190-0586	1	WASHER-LK HLCL 4.0 MM 4.1-MM-ID 7.6-MM-OD	28480	2190-0586
MP16-MP19	0390-0006	4	INSULATOR-FLANGE-BUSHING NYLON	73734	103304
MP20-MP23	3050-0893	4	WASHER-FL 4.0 MM 4.4-MM-ID 8.85-MM-OD	28480	3050-0893
MP24	1250-0161	1	ADAPTER-COAX STRAIGHT F-BNC F-BNC	24931	28AS101-2
MP25-MP28	1400-0249	4	CABLE TIE .062-.625-DIA .091-WD NYLON	59730	TY-23M-8
MP34	1460-1311	1	SPRING, GROUND	28480	1460-1311
MP35-MP36	1460-1345	2	TILT STAND STAINLESS STEEL	28480	1460-1345
MP41-MP42	5001-0538	2	TRIM STRIP SIDE 3 1/2	28480	5001-0538
MP43-MP46	5041-8801	4	FOOT FULL MOD	28480	5041-8801
MP47	5041-8802	1	TRIM STRIP TOP	28480	5041-8802
MP49-MP50	5041-8819	2	HANDLE CAP	28480	5041-8819
MP51-MP52	5041-8820	2	HANDLE CAP	28480	5041-8820
MP53-MP54	5062-3704	2	STRAP HANDLE-18 INCH	28480	5062-3704
MP57-MP58	5180-6650	2	STANDOFF, HEX	28480	5180-6650

HP 3245A
REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
SCW1-SCW4	0515-1404	4	SCREW-MACHINE M4 X 0.7 55MM-LG PAN-HD	28480	0515-1404
SCW5-SCW8	0515-0433	4	SCREW-MACHINE ASSY M4 X 0.7 8MM-LG PAN-HD	28480	0515-0433
SCW11-SCW16	0515-0372		SCREW-MACHINE ASSY M3 X 0.5 8MM-LG PAN-HD	28480	0515-0372
SCW17	0515-0367	1	SCREW-MACHINE ASSY M2.5 X 0.45 8MM-LG PAN-HD	28480	0515-0367
SCW21-SCW24	0515-1132	4	SCREW-MACHINE M3 X 0.8 10MM-LG FLAT-HD	28480	0515-1132
SCW41-SCW42	0624-0530	2	SCREW-TPG 8-16 .375-IN-LG PAN-HD-TORX	28480	0624-0530
T1	9100-4749	1	TRANSFORMER-POWER 100/120/220/240V	05216	PX4881
W1	03458-61601 1251-5007 1251-7584 8120-1779	1 2 2 0	CABLE ASSEMBLY - 20 PIN PULL TAB-POST 20/28 CONNECTOR CONNECTOR-POST TYPE .100-PIN-SPCG 20-CONTACT CABLE-FLAT-RIBBON 28AWG 20-CNDCT GRA-INSUL	28480 76381 18873 76381	03458-61601 3490-2 66900-220 3365-20
W3	03458-61602 1251-3476 1251-7111	1 4 1	EXT I/O 4 WIRE CABLE CONTACT-CONNECTOR U/W-POST-TYPE FEM CRIMP CONNECTOR-POST TYPE .100-PIN-SPCG 4-CONTACT	28480 27264 27264	03458-61602 08-50-0113 22-01-3047

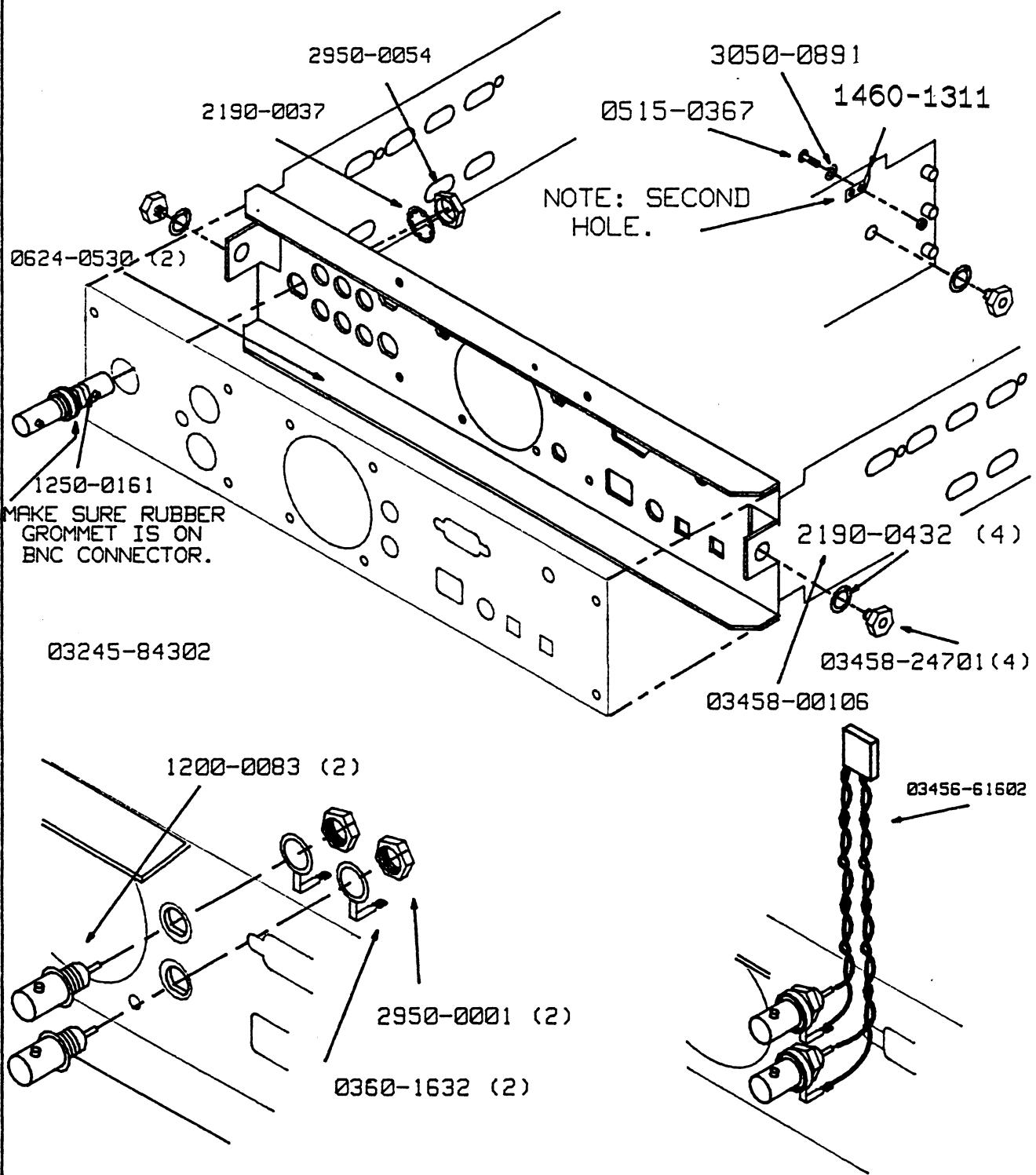
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List of Manufacturers - HP 3245A MAINFRAME

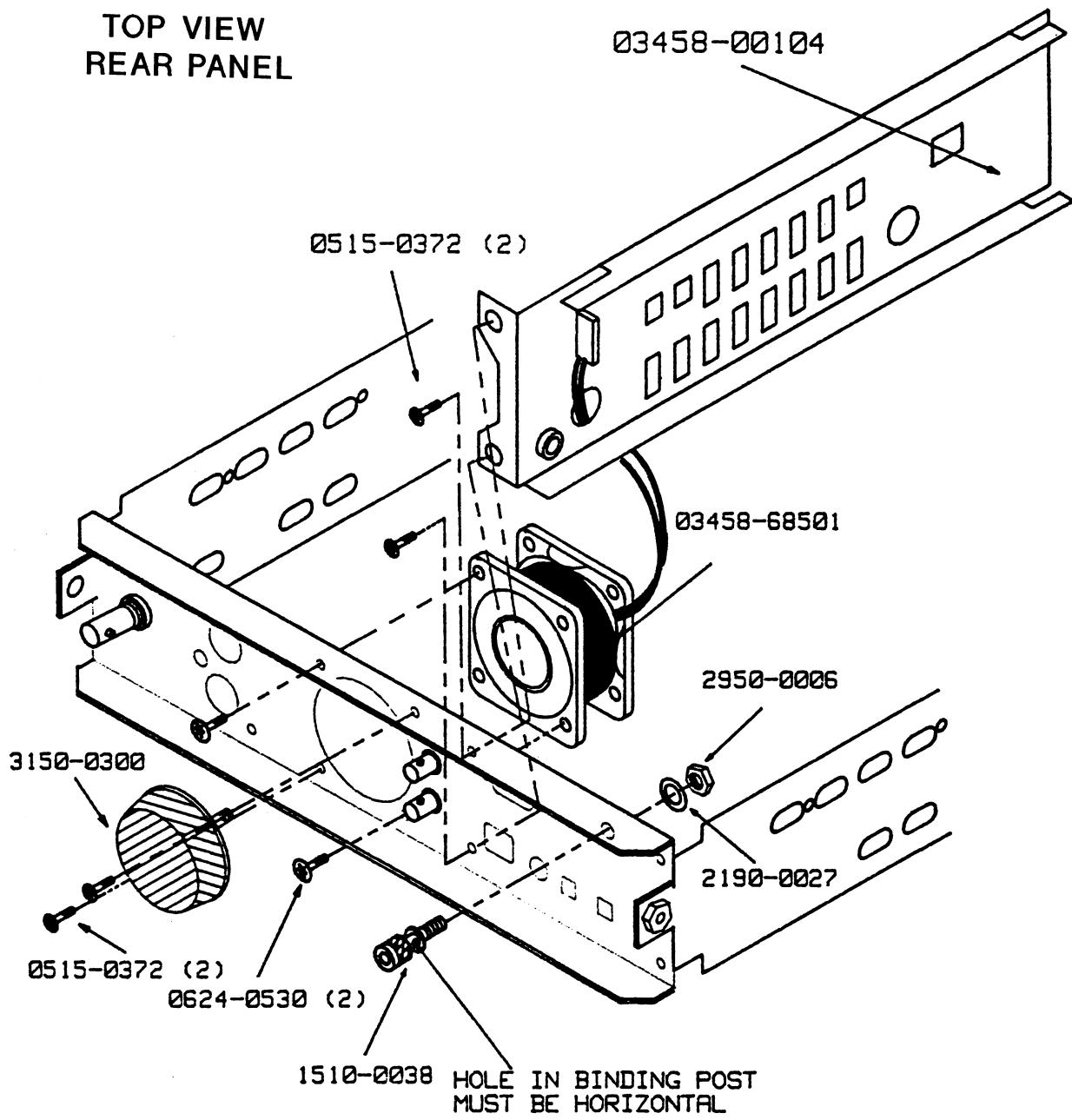
Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
00779	AMP INC	HARRISBURG PA US	17111
05216	PHOENIX TRANSFORMER CO	PHOENIX AZ US	85040
06915	RICHCO PLASTIC CO	CHICAGO IL US	60646
12014	CHICAGO RIVET & MACHINE CO	NAPERVILLE IL US	60540
16428	COOPER INDUSTRIES INC	HOUSTON TX US	77210
18873	DUPONT E I DE NEMOURS & CO	WILMINGTON DE US	19801
24931	SPECIALTY CONNECTOR CO	FRANKLIN IN US	46131
27264	MOLEX INC	LISLE IL US	60532
28480	HEWLETT PACKARD COMPANY - CORPORATE	PALO ALTO CA US	94304
30817	INSTRUMENT SPECIALTIES CO INC	DEL WATER GAP PA US	07424
46384	PENN ENGINEERING & MFG CORP	DOYLESTOWN PA US	18901
54294	SHALLCROSS INC	NORTHBROOK IL US	60062
57771	STIMPSON EDWIN B CO INC	BROOKLYN NY US	11705
59730	THOMAS & BETTS CORP	RARITAN NJ US	08869
71983	DOW CHEMICAL CO	MIDLAND MI US	48674
73734	FEDERAL SCREW PRODUCTS CO	CHICAGO IL US	60618
74970	EF JOHNSON CO	WASECA MN US	56093
76381	3M CO	ST PAUL MN US	55144
78189	ILLINOIS TOOL WORKS INC SHAKEPROOF	ELGIN IL US	60126
79963	ZIERICK MFG CO	MT KISCO NY US	10549
80509	AVERY LABEL CO	MONROVIA CA US	91016
86928	SEASTROM MFG CO	GLENDALE CA US	91201
90201	EMHART CORP	FARMINGTON CT US	06032

TOP VIEW
REAR PANEL

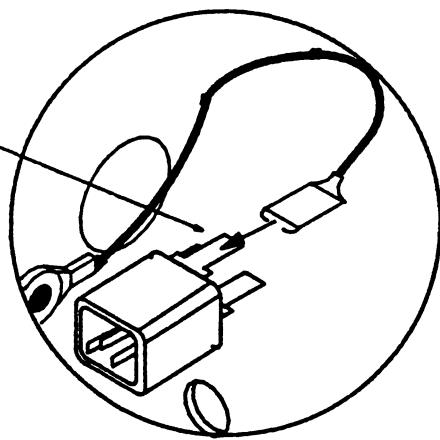
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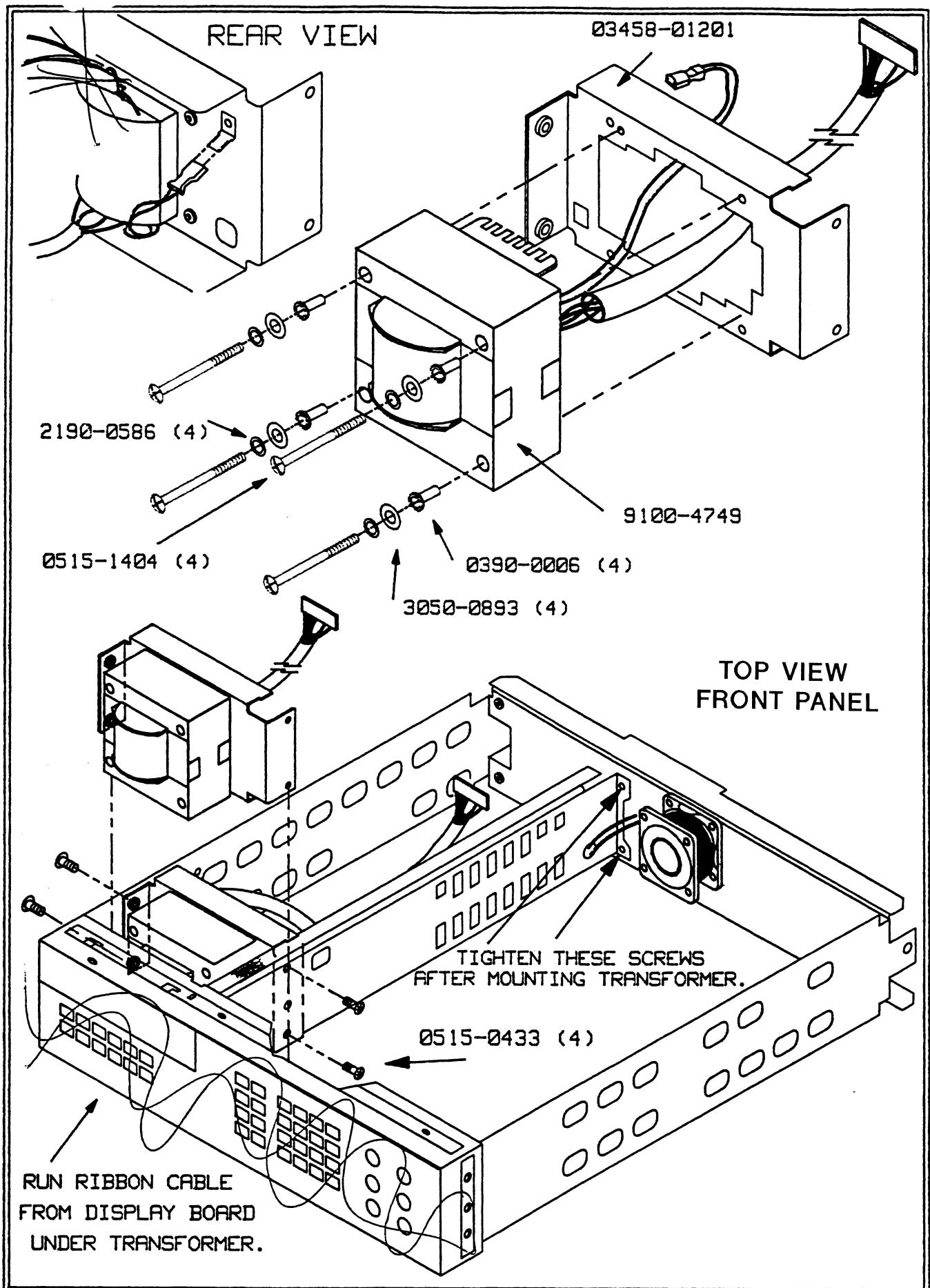


TOP VIEW
REAR PANEL

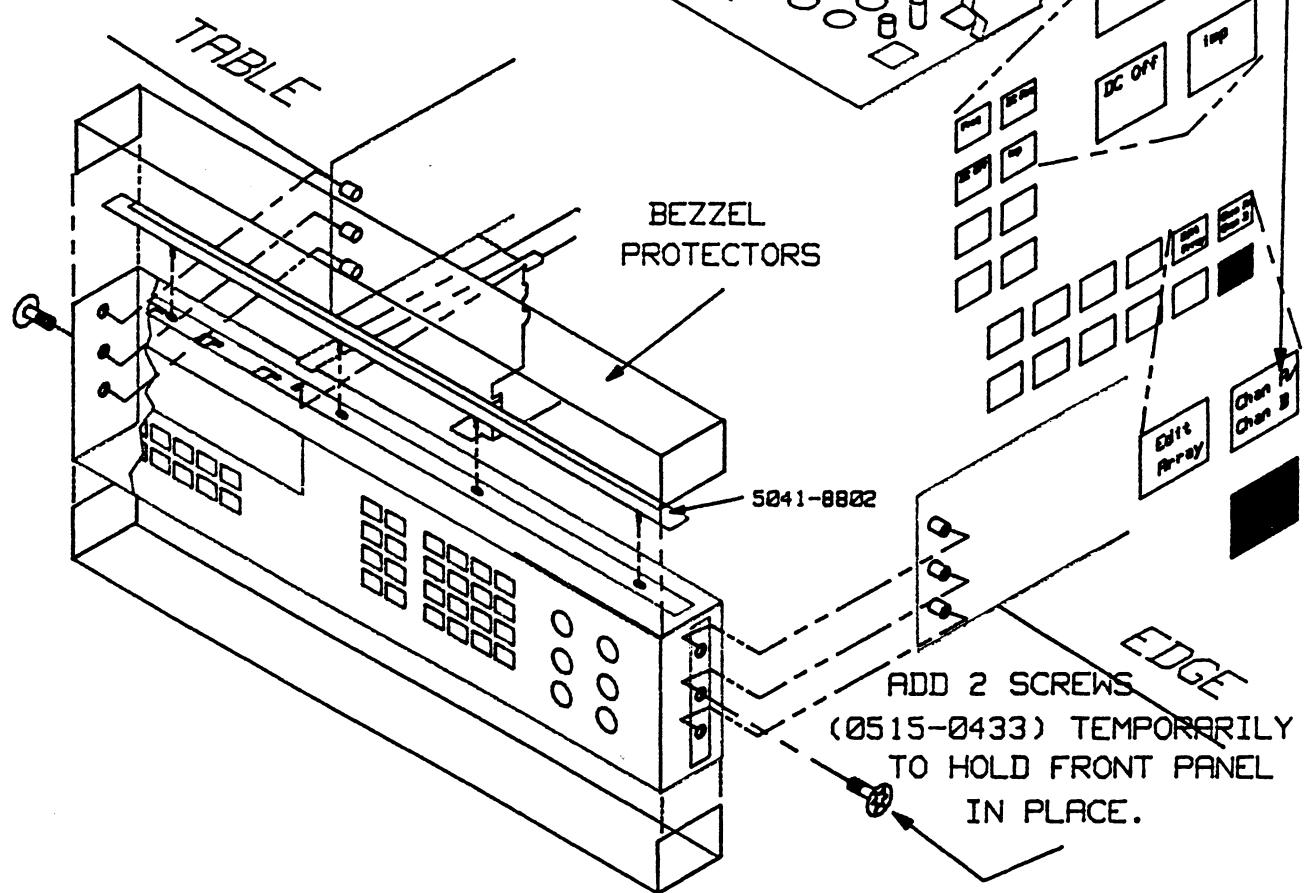
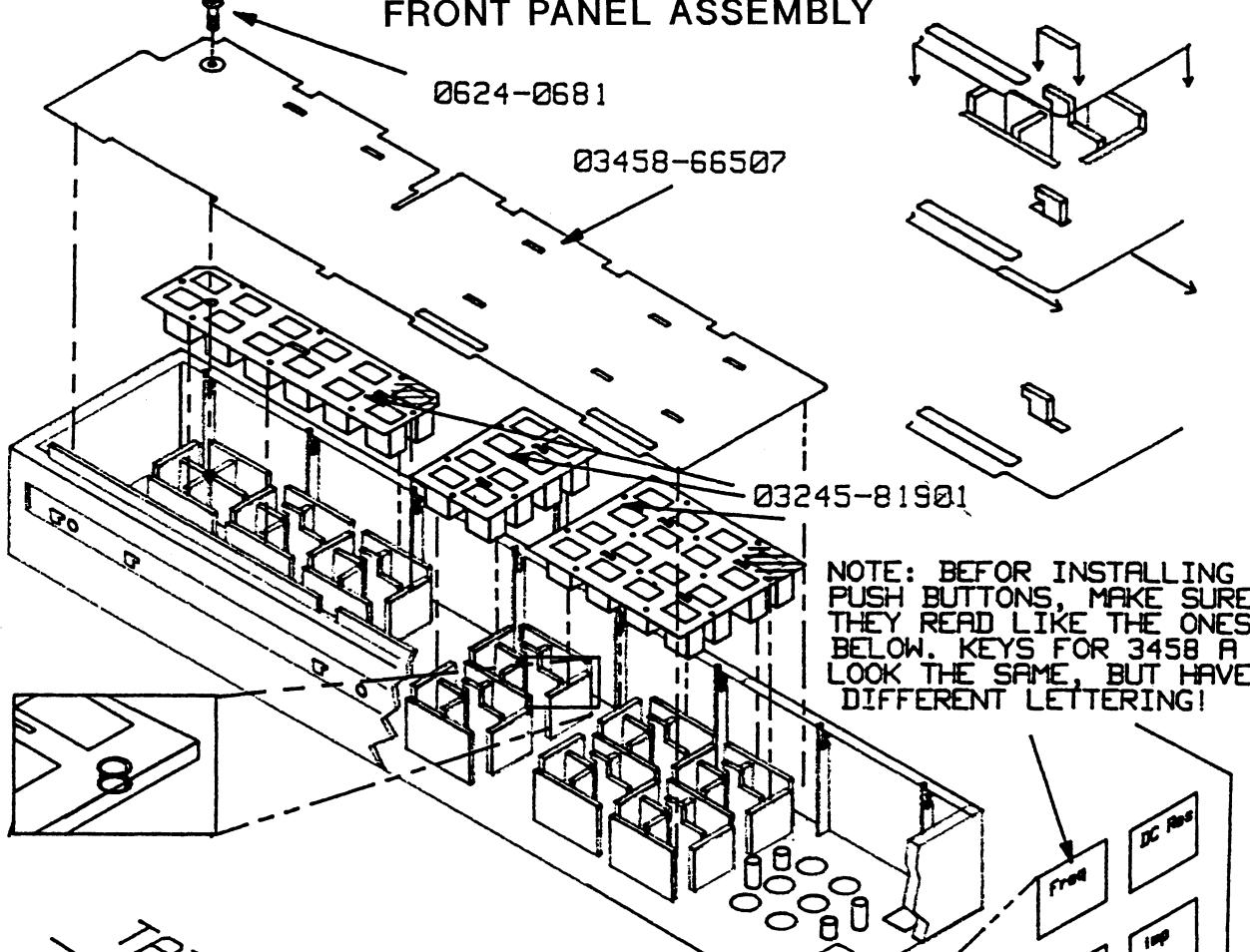


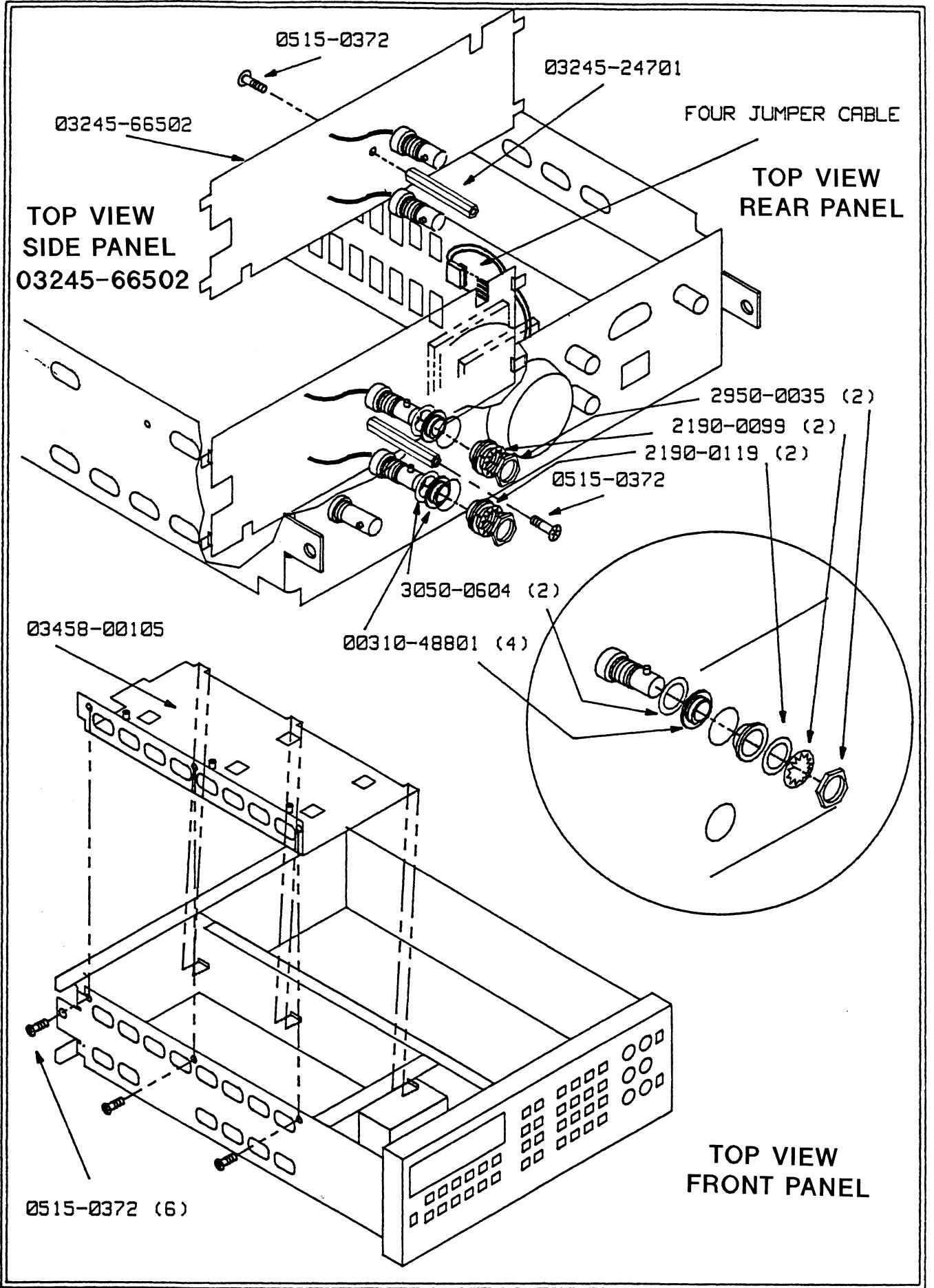
SOLDER THIS CONNECTION
AFTER PLUGGING IT IN.

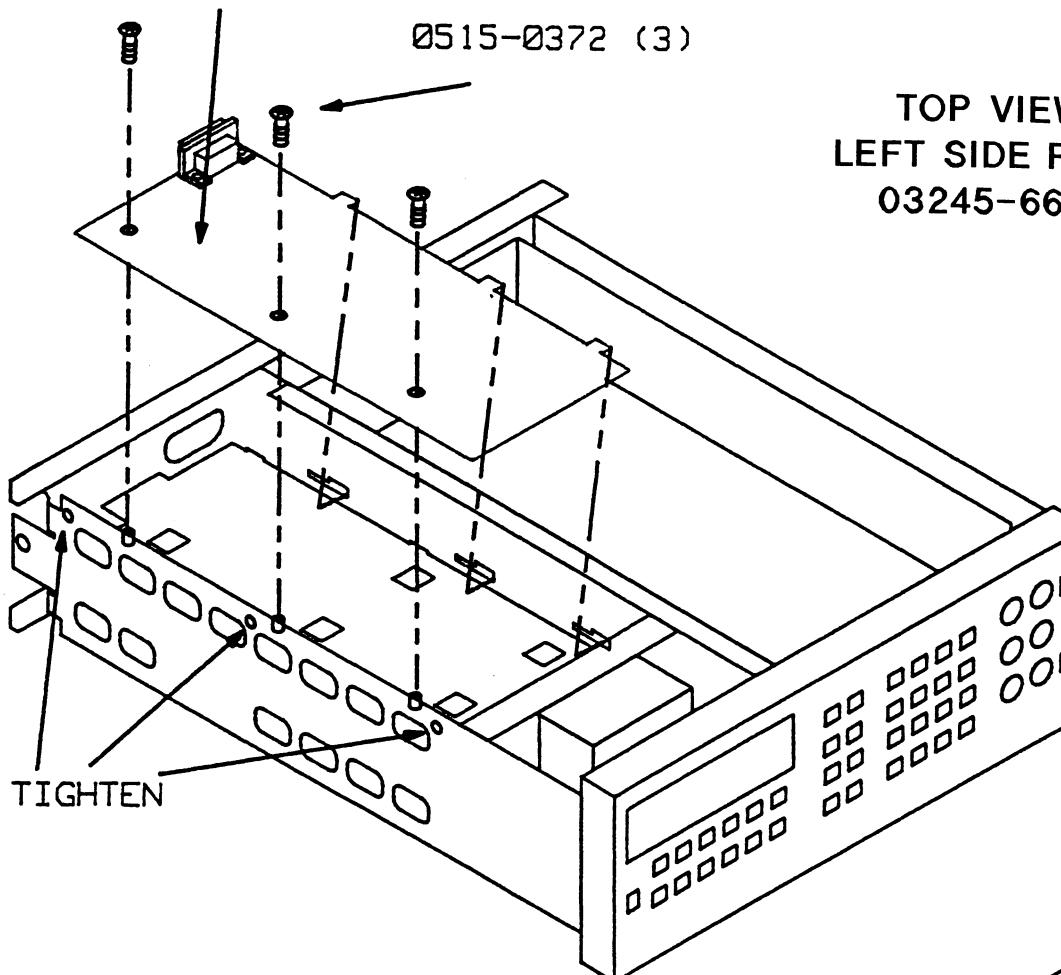




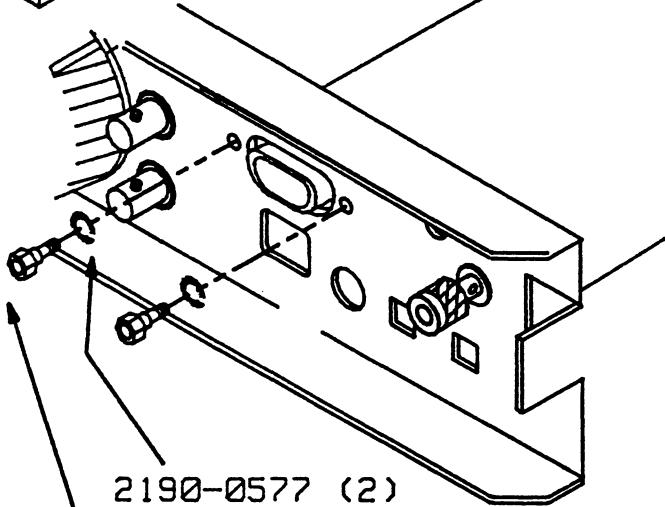
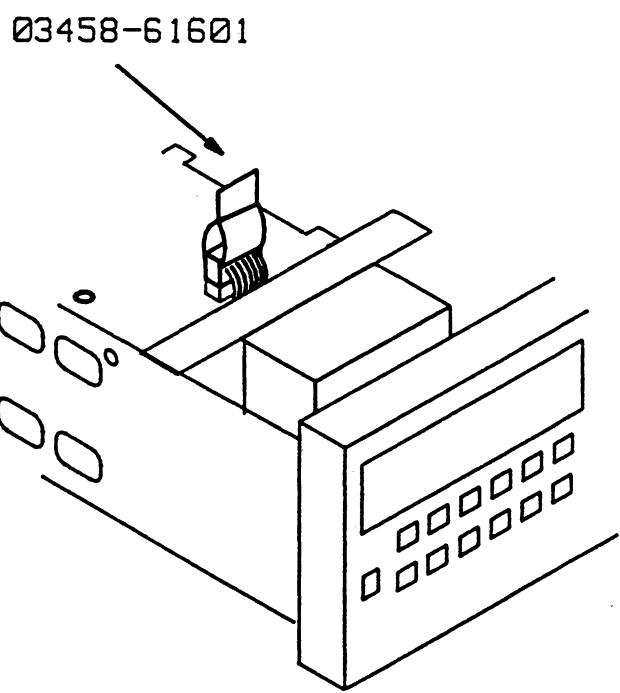
FRONT PANEL ASSEMBLY



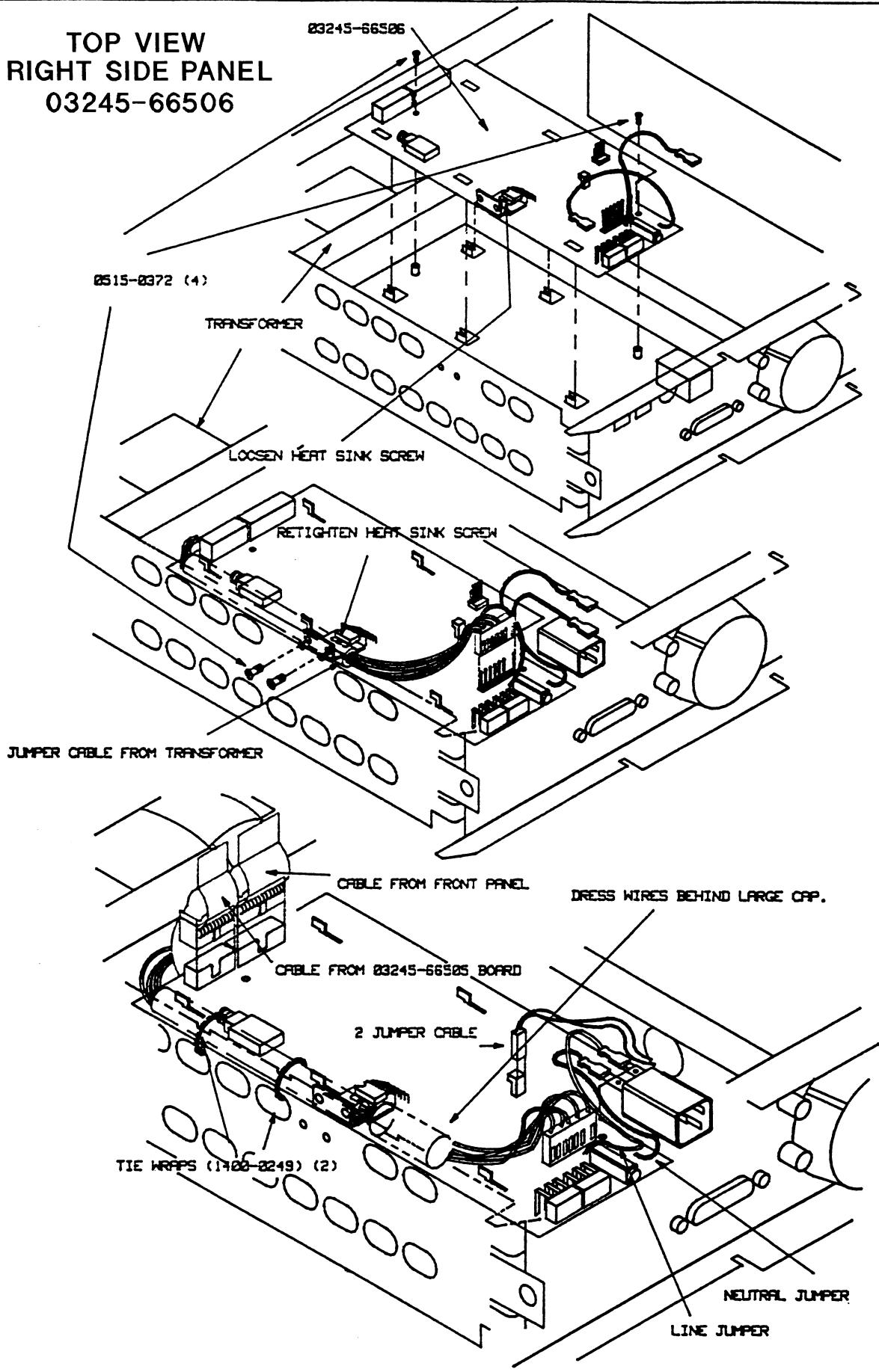




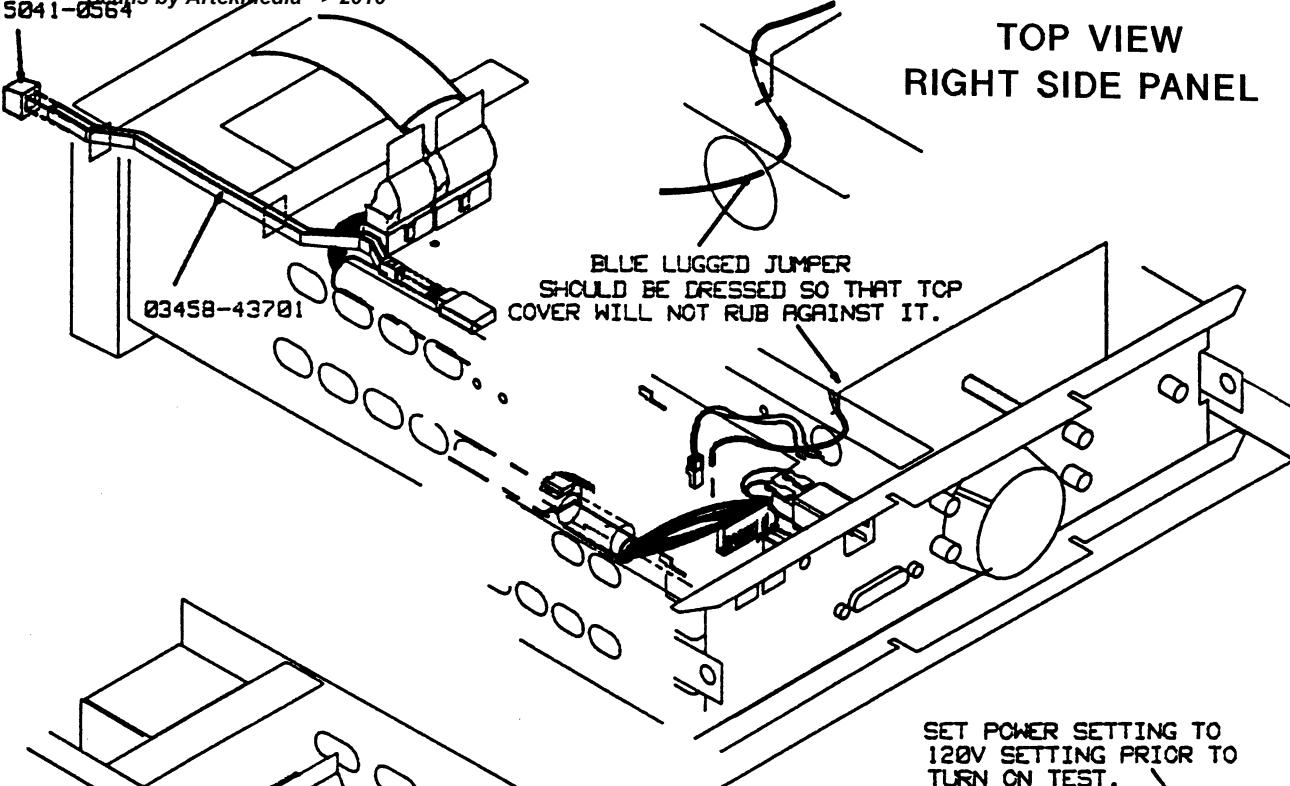
TOP VIEW
LEFT SIDE PANEL
03245-66505



**TOP VIEW
RIGHT SIDE PANEL
03245-66506**



TOP VIEW
RIGHT SIDE PANEL



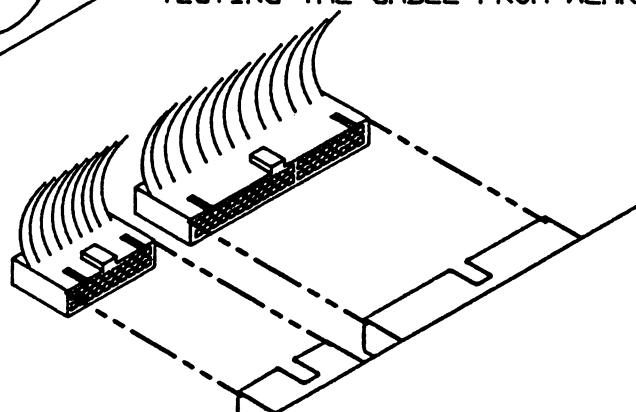
TOP VIEW
REAR PANEL

SET POWER SETTING TO
120V SETTING PRIOR TO
TURN ON TEST.

03245-61604

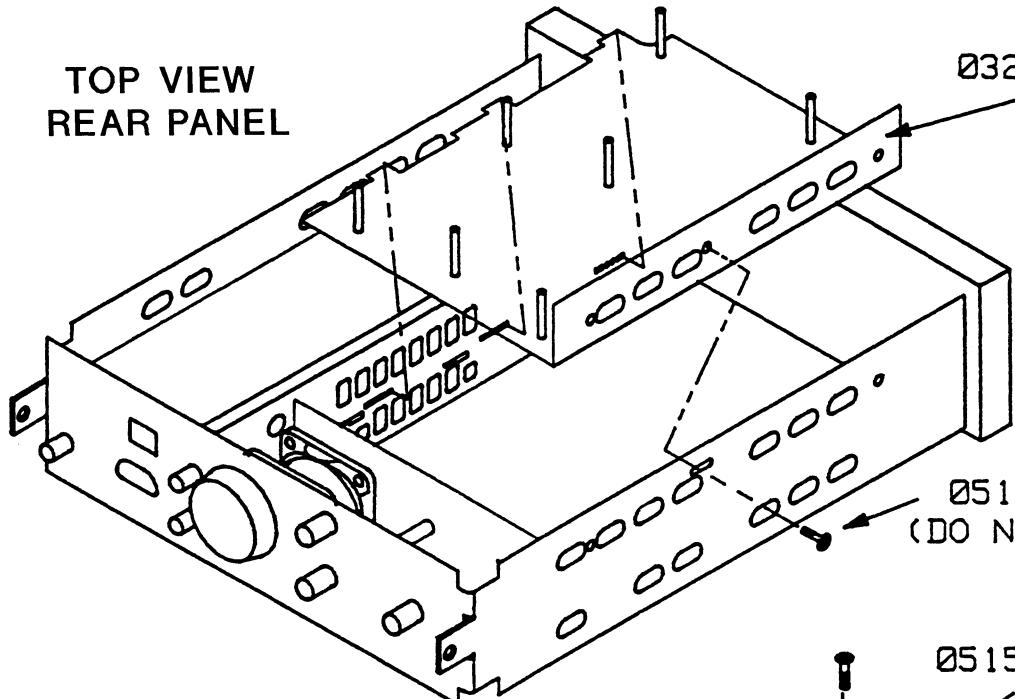
120
240
220
100

NOTE: TAPE HOLDING
CABLE (03245-61604)
TOGETHER MUST BE IN THE
AREA SO THAT IT FITS UNDER
THE NOTCH IN THE CHASSIS PRO-
TECTING THE CABLE FROM WEAR.



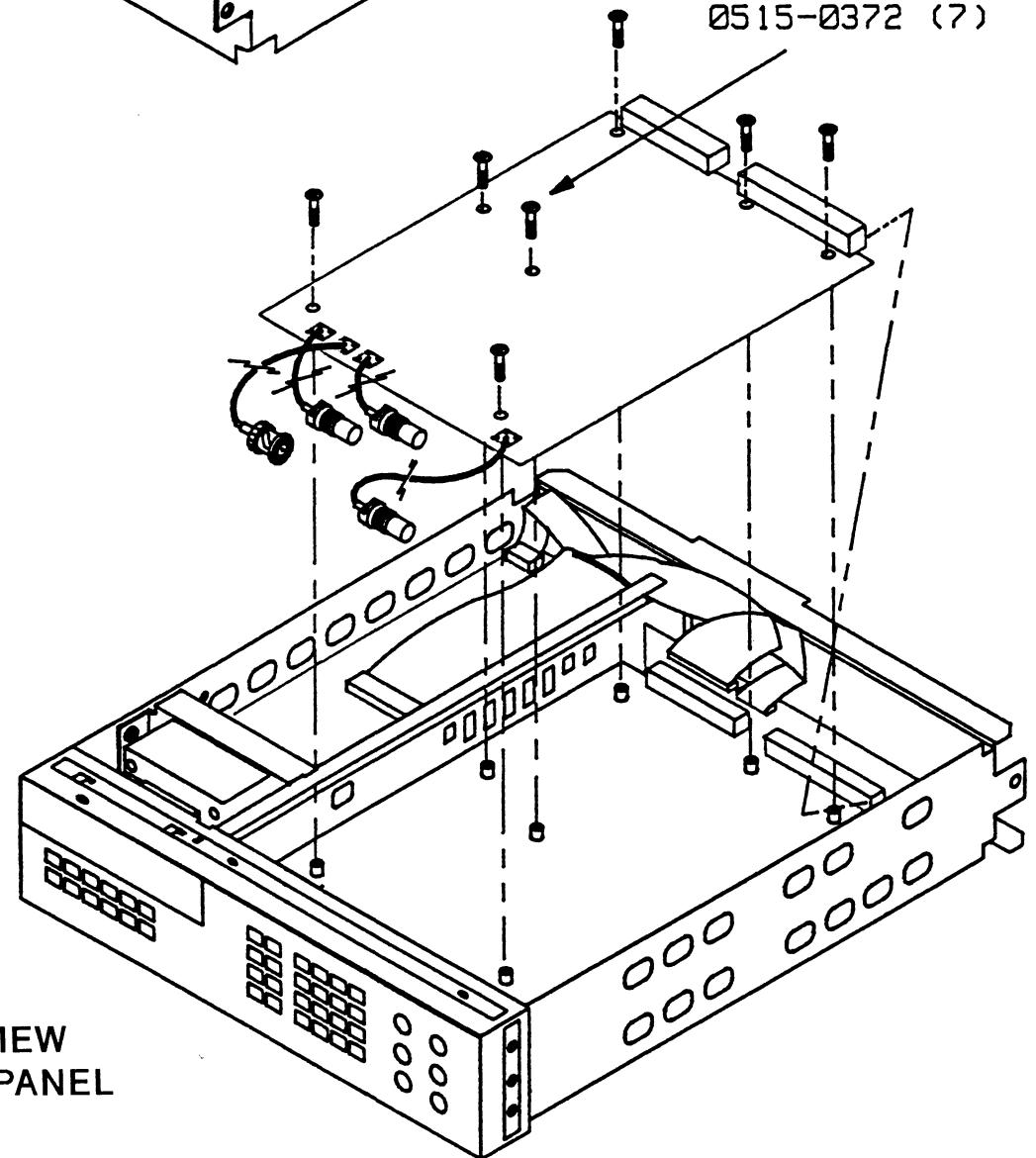
TOP VIEW
REAR PANEL

03245-00101



0515-0372 (1)
(DO NOT TIGHTEN.)

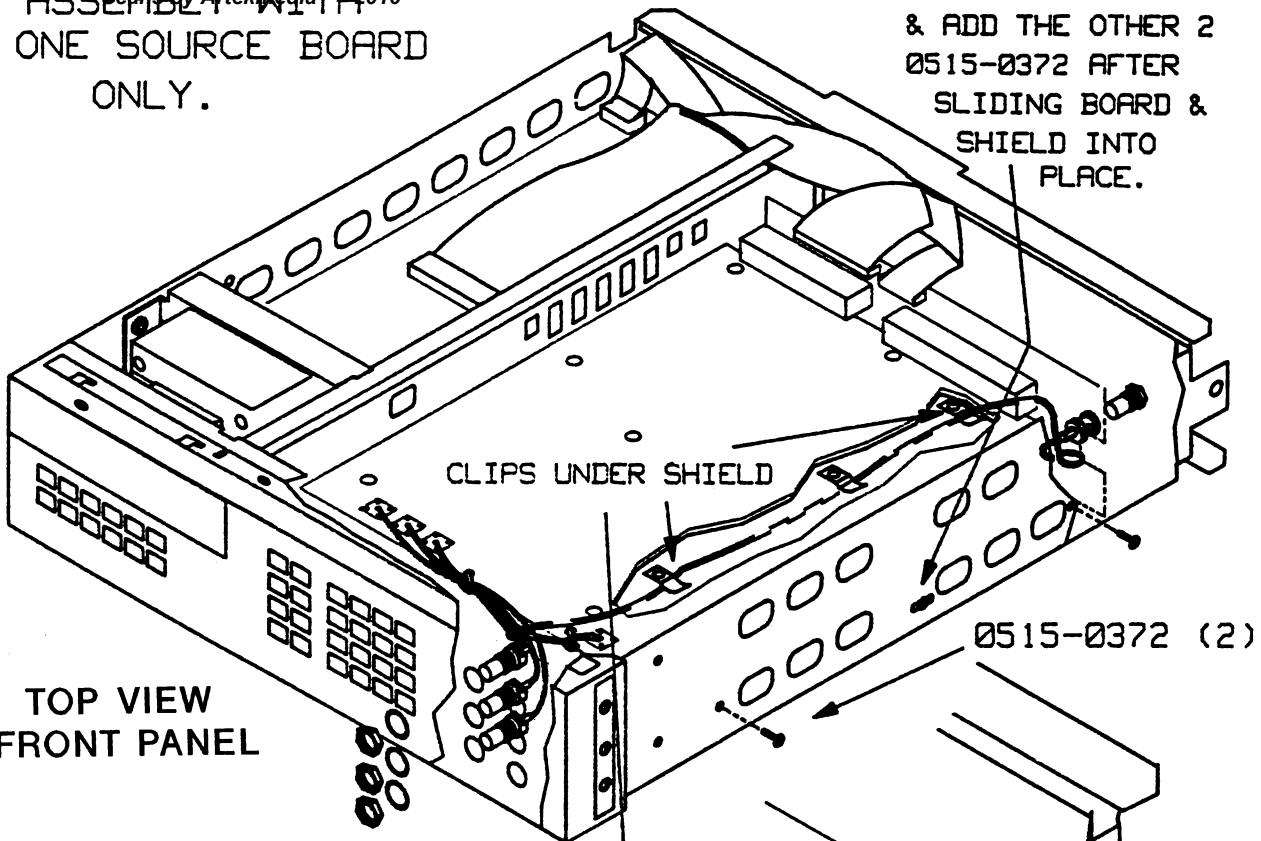
0515-0372 (7)



TOP VIEW
FRONT PANEL

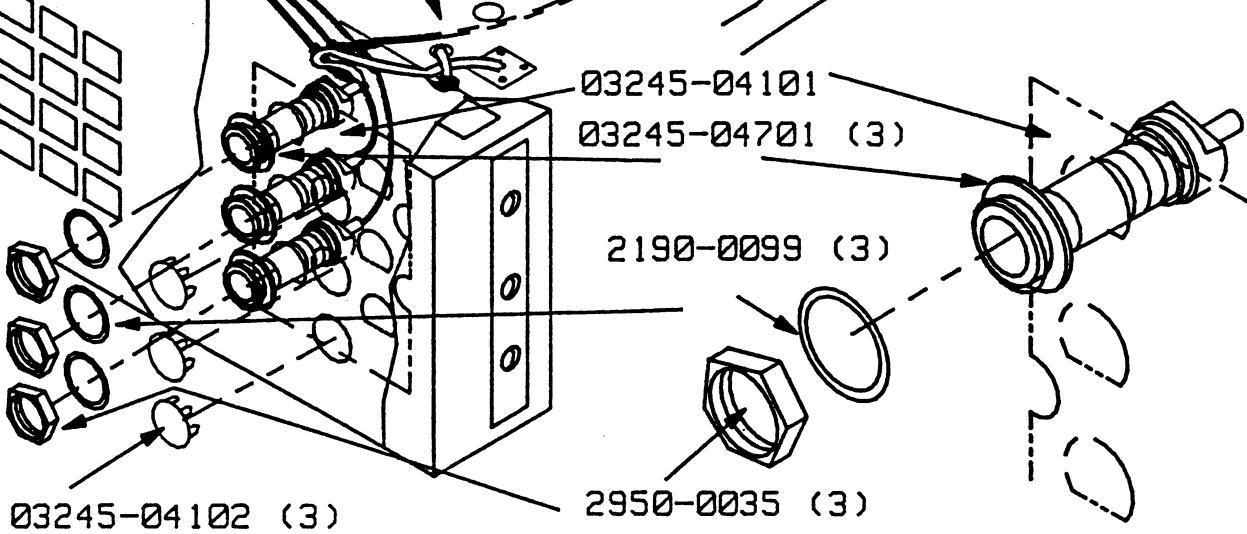
ASSEMBLY WITH
ONE SOURCE BOARD
ONLY.

TIGHTEN THIS SCREW
& ADD THE OTHER 2
0515-0372 AFTER
SLIDING BOARD &
SHIELD INTO
PLACE.



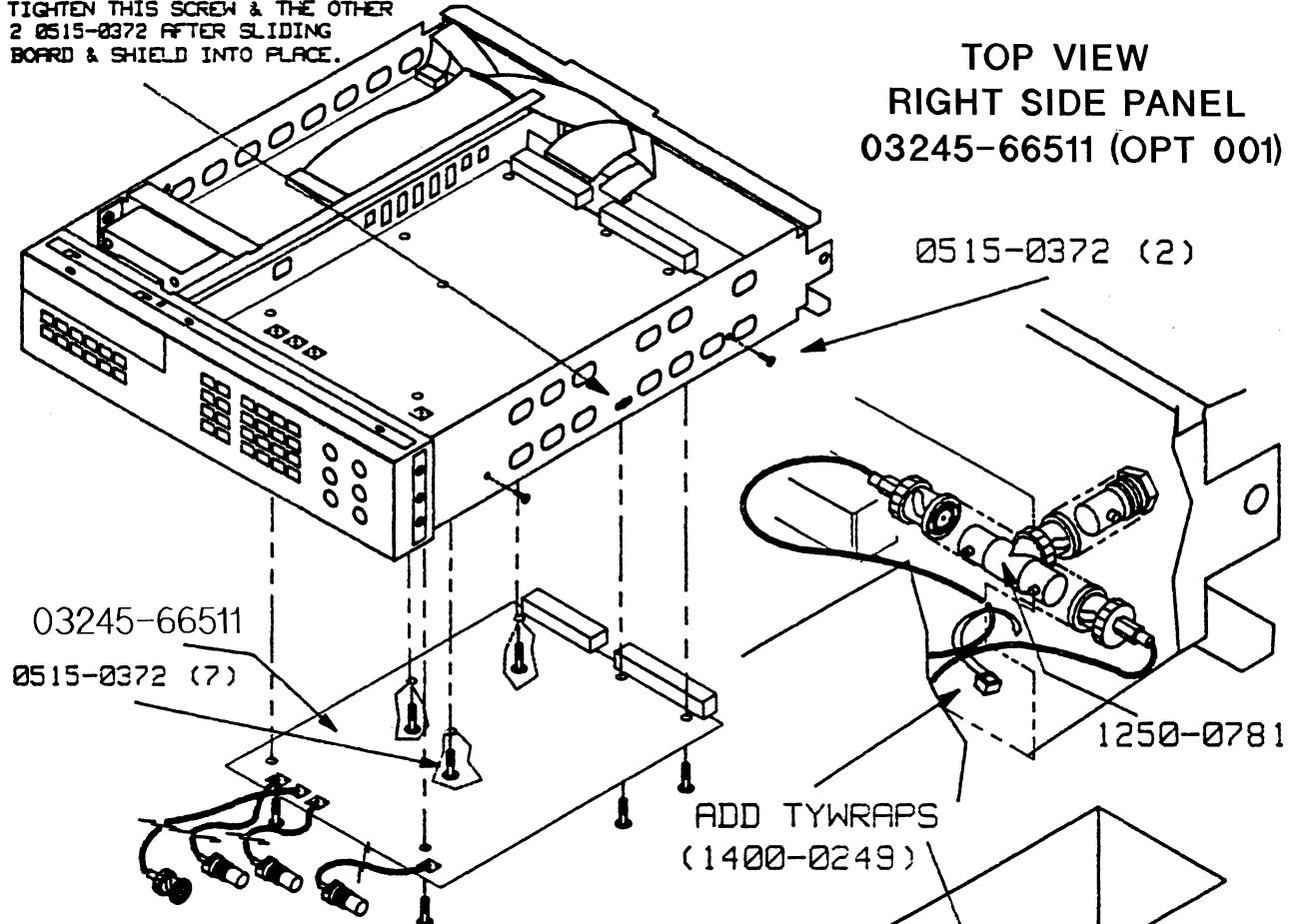
LONGEST CABLE GOES TO BACK OF
INSTRUMENT. OTHER 3 ARE AS FOLLOWS:
LONGEST TO MIDDLE. SHORTEST TO
TOP. MEDIUM TO BOTTOM.

NOTE: WIRES ARE SHOWN IN
COLOR FOR CLARITY ONLY.
ALL 3 ARE ACTUALLY BLACK
white



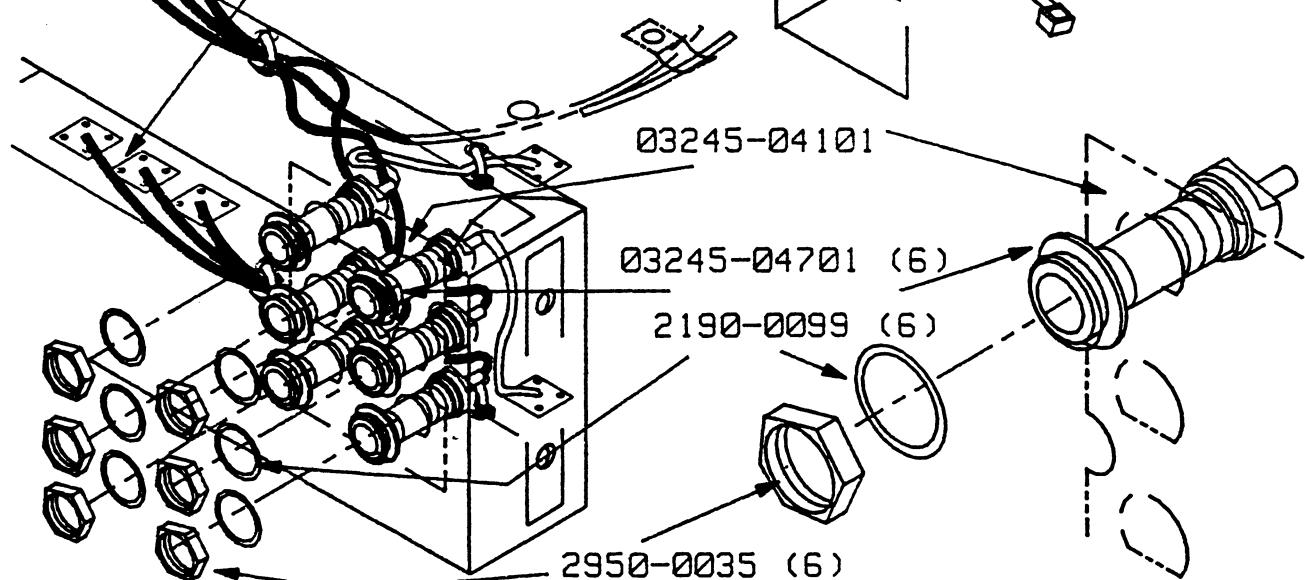
TIGHTEN THIS SCREW & THE OTHER
2 0515-0372 AFTER SLIDING
BOARD & SHIELD INTO PLACE.

TOP VIEW
RIGHT SIDE PANEL
03245-66511 (OPT 001)



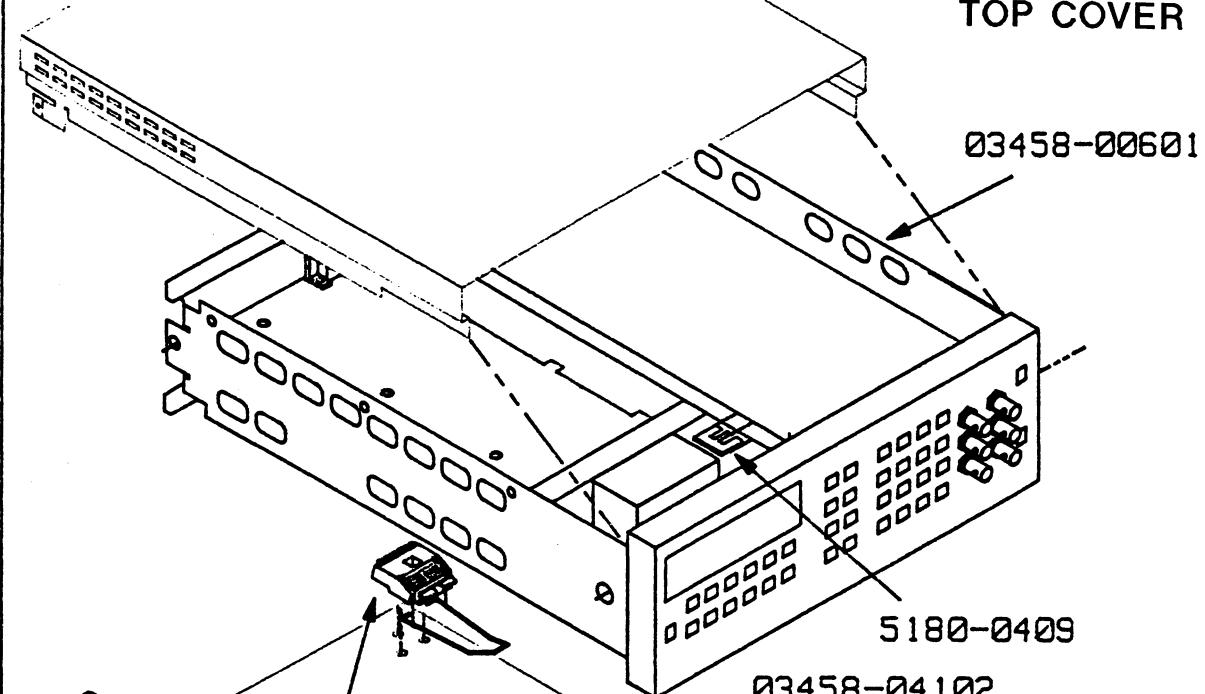
LONGEST CABLE GOES TO BACK
OF INSTRUMENT. REMAINING 3 ARE
AS FOLLOWS: LONGEST TO MIDDLE
SHORT TO TOP. MEDIUM TO
BOTTOM.

NOTE: WIRES ARE SHOWN IN
COLOR FOR CLARITY ONLY.
ALL 6 ARE ACTUALLY BLACK



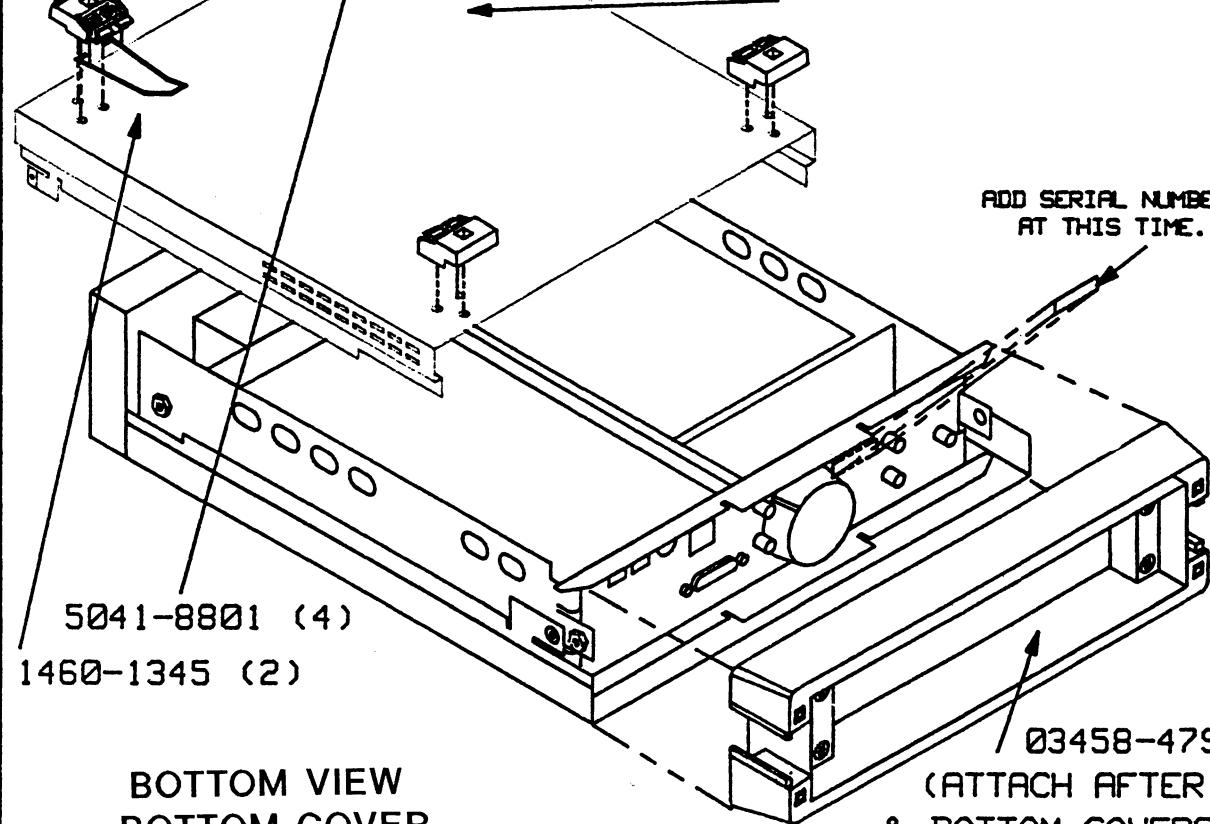
03458-04101

TOP VIEW
TOP COVER



03458-04102

ADD SERIAL NUMBER
AT THIS TIME.



BOTTOM VIEW
BOTTOM COVER

03245-66502
REPLACEMENT PARTS

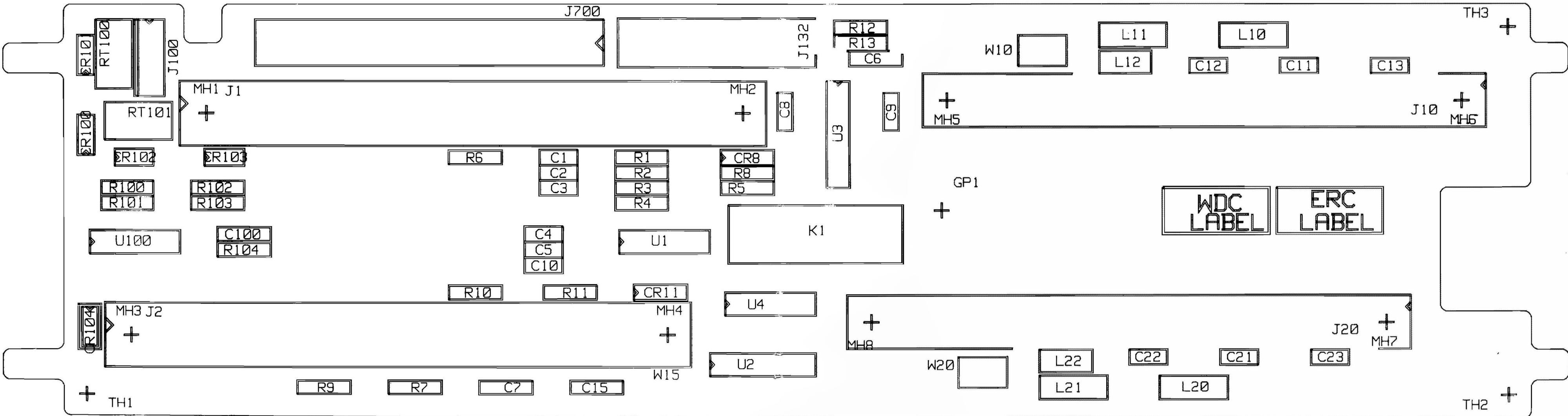
Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A2	03245-66502 0361-0236 0361-1222 0160-4805 0160-4809 0160-4571 0160-4805 0160-4809 0160-4571	1 4 4 10 4 4 4 4 1	PRINTED CIRCUIT ASSEMBLY - BACKPLANE RIVET-SEMITUB OVH .123DIA .406LG RIVET-SEMITUB OVH .099DIA .218LG CAPACITOR-FXD 47pF +-5% 100 V CER COG CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U CAPACITOR-FXD 47pF +-5% 100 V CER COG CAPACITOR-FXD 390pF +-5% 100 V CER COG CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U CAPACITOR-FXD 47pF +-5% 100 V CER COG CAPACITOR-FXD 390pF +-5% 100 V CER COG CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	28480 28480 28480 04222 04222 04222 04222 04222 04222	03245-66502 0361-0236 0361-1222 SA102A470JAAH SA105E104ZAAH SA102A470JAAH SA101A391JAAH SA105E104ZAAH SA102A470JAAH SA101A391JAAH SA105E104ZAAH
A2C1-C5 A2C6-C7 A2C8-C11 A2C12-C13 A2C15 A2C21 A2C22-C23 A2C100	0160-4805 0160-4571 0160-4805 0160-4809 0160-4571 0160-4805 0160-4809 0160-4571	10 4 4 4 4 4 4 1	CAPACITOR-FXD 47pF +-5% 100 V CER COG CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U CAPACITOR-FXD 47pF +-5% 100 V CER COG CAPACITOR-FXD 390pF +-5% 100 V CER COG CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U CAPACITOR-FXD 47pF +-5% 100 V CER COG CAPACITOR-FXD 390pF +-5% 100 V CER COG CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222 04222 04222 04222 04222 04222 04222 04222	SA105E104ZAAH SA102A470JAAH SA101A391JAAH SA105E104ZAAH SA102A470JAAH SA101A391JAAH SA105E104ZAAH
A2CR8 A2CR11 A2CR100-CR103 A2CR104	1902-0958 1902-0950 1901-0743 1902-1291	1 1 4 1	DIODE-ZENER 10V 5% PD=.4W TC=+.075% IR=10U DIODE-ZENER 4.7V 5% PD=.4W TC=+.025% IR=2U DIODE-POWER RECTIFIER 1N4004 400V 1A DO-41 DIODE-ZENER 1N5338B 5.1V 5% PD=5W IR=1UA	28480 28480 71744 04713	1902-0958 1902-0950 1N4004 1N5338B
A2J1-J2 A2J10 A2J20 A2J100 A2J132 A2J700	1252-1590 5180-8213 5180-8213 1252-0293 1251-8106 1251-8828	2 2 2 1 1 1	CONNECTOR-POST TYPE 5.08-PIN-SPCG 48-CONTACT CONNECTOR-2X9F> NO KEY CONNECTOR-2X9F> NO KEY CONNECTOR-POST TYPE .100-PIN-SPCG 4-CONTACT CONNECTOR-POST TYPE .100-PIN-SPCG 20-CONTACT CONNECTOR-POST TYPE .100-PIN-SPCG 40-CONTACT	09922 28480 28480 27264 76381 76381	P196B35R00A0N9 5180-8213 5180-8213 22-11-2042 2520-6002UB 2540-6002UB
A2K1	0490-1423	1	RELAY-REED 1C 250MA 28VDC 5VDC-COIL 3VA	71707	7001-5077
A2L10-L11 A2L12 A2L20-L21 A2L22	9100-2486 9170-1368 9100-2486 9170-1368	4 2 2 2	INDUCTOR RF-CHOKE-MOLDED 330NH +-5% CORE-SHIELDING BEAD INIT PERMEABILITY INDUCTOR RF-CHOKE-MOLDED 330NH +-5% CORE-SHIELDING BEAD INIT PERMEABILITY	01961 19701 01961 19701	15M330J 11426-4A6 15M330J 11426-4A6
A2LBL1 A2LBL2	9320-5333 7121-7148	1 1	LBL-LNE-PTR; .625-IN-WD X .25-IN-LG LABEL-INFORMATION .25-IN-WD .9-IN-LG	28480 28480	9320-5333 7121-7148
A2PCB1	03245-26502	1	PC BOARD-BLANK	28480	03245-26502
A2R1-R6 A2R7 A2R8 A2R9-R11 A2R12-R13 A2R100 A2R101 A2R102 A2R103-R104	0757-0407 0757-0280 0757-0427 0757-0280 0757-0407 0698-4126 0757-0280 0698-4126 0757-0280	8 7 1 1 1 2 2 2 2	RESISTOR 200 +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 1.5K +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 200 +-1% .125W TF TC=0+-100 RESISTOR 35.7 +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 35.7 +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100	24546 24546 24546 24546 24546 28480 24546 28480 24546	CT4-1/8-T0-201-F CT4-1/8-T0-1001-F CT4-1/8-T0-1501-F CT4-1/8-T0-1001-F CT4-1/8-T0-201-F 0698-4126 CT4-1/8-T0-1001-F 0698-4126 CT4-1/8-T0-1001-F
A2RT100-RT101	0837-0223	2	THERMISTOR DISC 10-OHM	75263	RL400811040PT2
A2U1 A2U2 A2U3 A2U4 A2U100	1820-1568 1820-3466 1820-3796 1820-3537 1820-1568	2 1 1 1 2	IC DRIVER TTL/LS BUS QUAD IC FF TTL/ALS D-TYPE POS-EDGE-TRIG COM IC DCDR CMOS/74HCT 2-TO-4-LINE DUAL IC FF CMOS/74HCT D-TYPE POS-EDGE-TRIG IC DRIVER TTL/LS BUS QUAD	01295 01295 27014 18324 01295	SN74LS125AN SN74ALS175N MM74HCT139N 74HCT74N SN74LS125AN
A2W10	03245-61603 1250-0050 1250-0051 1250-0252 1250-0960 8120-1848	2 2 2 2 0	CABLE-PCB/F BNC 135MM LONG NUT-RF CONNECTOR BNC SERIES; CLAMP NUT CONTACT-RF CONNECTOR SER BNC; FEMALE BODY-RF CONNECTOR SERIES BNC; STRAIGHT SLEEVE-RF CONNECTOR SERIES BNC/TNC CABLE-COAX 600V WHITE	28480 24931 24931 24931 24931 92194	03245-61603 NS101-2 C182-1 28JS108-1 T101-13 2834
A2W15	8120-3933	1	JUMPER ASSEMBLY 22-AWG 1-COND 225-MM-LG	28480	8120-3933
A2W20	03245-61603		CABLE-PCB/F BNC 135MM LONG	28480	03245-61603

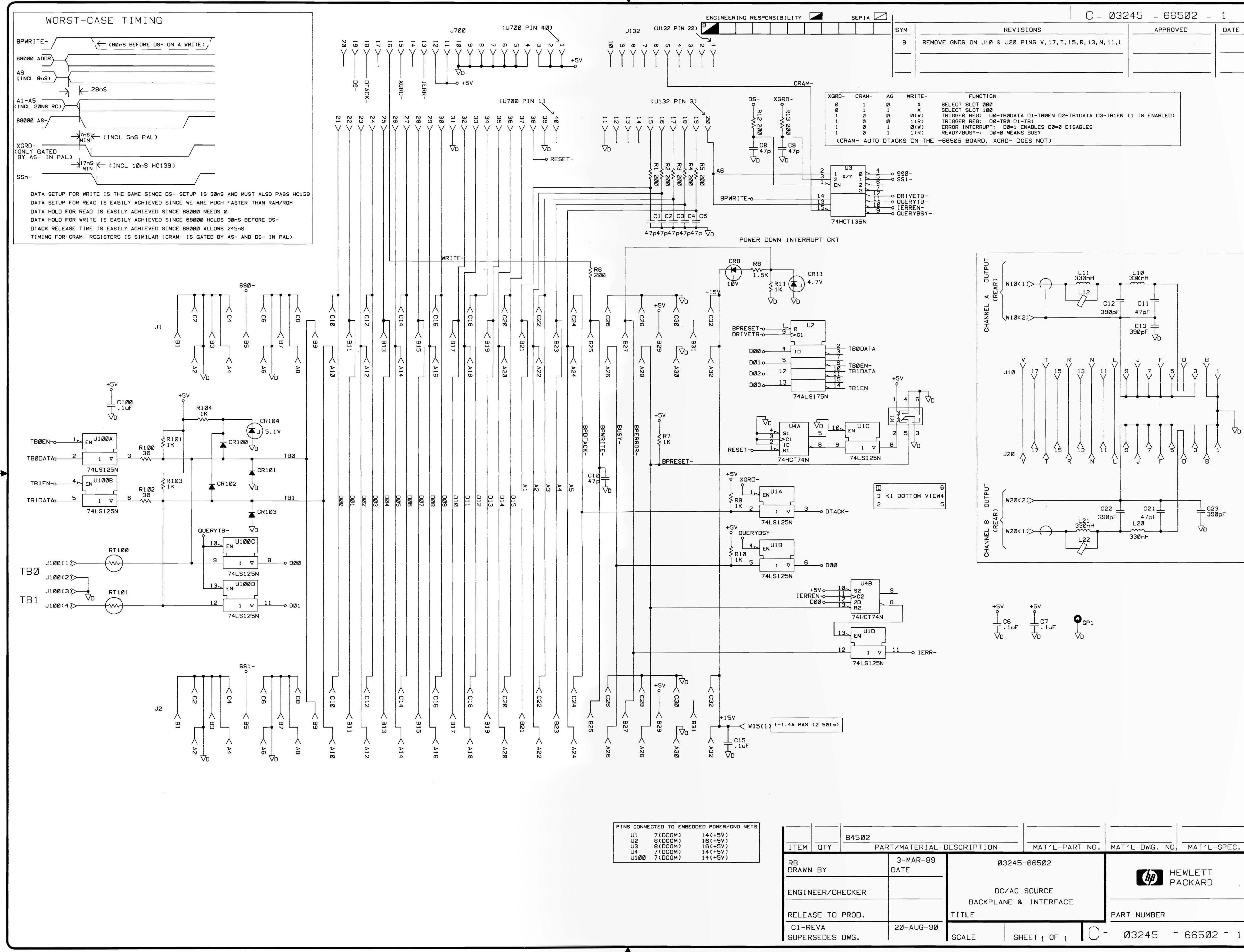
Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
01295	TEXAS INSTRUMENTS INC	DALLAS TX US	75265
01961	PULSE ENGINEERING INC	SAN DIEGO CA US	92111
04222	AVX CORP	GREAT NECK NY US	11021
04713	MOTOROLA INC	ROSELLE IL US	60195
09922	BURNDY CORP	NORWALK CT US	06856
12014	CHICAGO RIVET & MACHINE CO	NAPERVILLE IL US	60540
18324	SIGNETICS CORP	SUNNYVALE CA US	94086
19701	NORTH AMERICAN PHILIPS CORP	NEW YORK NY US	10017
24546	CORNING GLASS WORKS	CORNING NY US	14830
24931	SPECIALTY CONNECTOR CO	FRANKLIN IN US	46131
27014	NATIONAL SEMICONDUCTOR CORP	SANTA CLARA CA US	95052
27264	MOLEX INC	LISLE IL US	60532
28480	HEWLETT PACKARD COMPANY - CORPORATE	PALO ALTO CA US	94304
71707	COTO WABASH	PROVIDENCE RI US	02907
71744	GENERAL INSTRUMENT CORP	CLIFTON NJ US	07012
75263	KEYSTONE CARBON CO INC	ST MARY PA US	15857
76381	3M CO	ST PAUL MN US	55144
92194	ALPHA WIRE CORP	ELIZABETH NJ US	07207

DRILL SIDE

03245-26502 10-17-90 REV C EGS-200 V2.1

R





03245-66505
REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A5	03245-66505 0361-0232 9320-5780 0160-4832 0160-4832 0180-0291 0160-4844 0160-4791 0160-4832	1 2 0 30 6 1 1 1	PRINTED CIRCUIT ASSEMBLY-OUTGRD LOGIC RIVET-SEMITUB OVH .123DIA .25LG LBL-LNE-PTR; .9-IN-WD X .25-IN-LG CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R CAPACITOR-FXD 1uF +-10% 35 V TA CAPACITOR-FXD 1uF +80% -20% 50 V CER Z5U CAPACITOR-FXD 10pF +-5% 100 V CER COG CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R	28480 28480 85480 04222 04222 56289 04222 04222 04222	03245-66505 0361-0232 DAT-50-652 SA101C103KAAH SA101C103KAAH 150D105X9035A2-DYS SA305E105ZAA SA102A100JAAH SA101C103KAAH
A5C100-C119 A5C122-C130 A5C150-C155 A5C700 A5C701 A5C801	0160-4832 0160-4832 0180-0291 0160-4844 0160-4791 0160-4832	30 6 1 1	CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R CAPACITOR-FXD 1uF +-10% 35 V TA CAPACITOR-FXD 1uF +80% -20% 50 V CER Z5U CAPACITOR-FXD 10pF +-5% 100 V CER COG CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R	04222 56289 04222 04222 04222	SA101C103KAAH SA101C103KAAH SA305E105ZAA SA102A100JAAH SA101C103KAAH
A5J100 A5J900	1251-8106 5180-8228	1 1	CONNECTOR-POST TYPE .100-PIN-SPCG 20-CONTACT CONNECTOR-HPIB	76381 28480	2520-6002UB 5180-8228
A5JM600 A5JM600A	1251-4682 1258-0141	1 1	CONNECTOR-POST TYPE .100-PIN-SPCG 3-CONTACT JUMPER-REMOVABLE FOR .025 IN SQ PINS	26742 18873	1102-1-103-02 65474-004
A5L801	9170-1368	1	CORE-SHIELDING BEAD INIT PERMEABILITY	19701	11426-4A6
A5LBL1 A5LBL2	9320-5333 7121-7148	1 1	LBL-LNE-PTR; .625-IN-WD X .25-IN-LG LABEL-INFORMATION .25-IN-WD .9-IN-LG	28480 28480	9320-5333 7121-7148
A5PCB1	03458-26505	1	PRINTED CIRCUIT BOARD - BLANK	28480	03458-26505
A5R100 A5R101-R103 A5R200 A5R208-R209 A5R400 A5R502 A5R600 A5R601 A5R700 A5R701-R702 A5R703 A5R704-R705 A5R800 A5R801 A5R900	0757-0401 0757-0280 0757-0280 0757-0427 0757-0442 0757-0280 0757-0442 0757-0442 0757-0401 0757-0442 0757-0401 0757-0442 0757-0401 0757-0442 0757-0433 0757-0442	5 6 6 2 6 5 6 6 6 6 6 6 6 6 6 6 1	RESISTOR 100 +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 1.5K +-1% .125W TF TC=0+-100 RESISTOR 10K +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 10K +-1% .125W TF TC=0+-100 RESISTOR 1K +-1% .125W TF TC=0+-100 RESISTOR 10K +-1% .125W TF TC=0+-100 RESISTOR 100 +-1% .125W TF TC=0+-100 RESISTOR 10K +-1% .125W TF TC=0+-100 RESISTOR 100 +-1% .125W TF TC=0+-100 RESISTOR 10K +-1% .125W TF TC=0+-100 RESISTOR 3.32K +-1% .125W TF TC=0+-100 RESISTOR 10K +-1% .125W TF TC=0+-100	24546 24546 24546 24546 24546 24546 24546 24546 24546 24546 24546 24546 24546 24546 24546 24546	CT4-1/8-T0-101-F CT4-1/8-T0-1001-F CT4-1/8-T0-1001-F CT4-1/8-T0-1501-F CT4-1/8-T0-1002-F CT4-1/8-T0-1001-F CT4-1/8-T0-1002-F CT4-1/8-T0-1001-F CT4-1/8-T0-1002-F CT4-1/8-T0-101-F CT4-1/8-T0-1002-F CT4-1/8-T0-101-F CT4-1/8-T0-1002-F CT4-1/8-T0-3321-F CT4-1/8-T0-1002-F
A5RP100-RP103 A5RP105-RP107	1810-0286 1810-0338	4 3	NETWORK-RES 16-DIP 10.0K OHM X 15 NETWORK-RES 16-DIP 100.0 OHM X 8	11236 11236	761-1-R10K 761-3-R100
A5U100 A5U101-U102 A5U103-U104 A5U105 A5U106 A5U107 A5U110 A5U111 A5U112 A5U113 A5U121-U122 A5U123-U126 A5U130 A5U131 A5U134 A5U135 A5U140 A5U141 A5U200 A5U400 A5U401	1820-5700 1820-3378 1820-3121 03458-88803 03458-88804 1820-3378 03245-88820 03245-88821 03245-88822 03245-88823 1818-4336 1818-3981 1820-3537 1820-4949 1820-3664 1820-4948 1820-4721 1820-4643 1820-4948 1820-5875 1820-3664	1 3 3 1 1 1 1 1 1 1 2 4 4 2 2 2 2 2 2 2 3 1 1 1 1 1	IC-16-BIT MPU, 8MHZ, CMOS IC LATCH TTL/ALS TRANSPARENT OCTL IC TRANSCEIVER TTL/ALS BUS OCTL PAL-PROGRAMMED (1820-5817) 8L14ACN PAL-PROGRAMMED (1820-5817) 8L14ACN IC LATCH TTL/ALS TRANSPARENT OCTL EPROM-PROGRAMMED (1818-4368) 27C512-2 EPROM-PROGRAMMED (1818-4368) 27C512-2 EPROM-PROGRAMMED (1818-4368) 27C512-2 EPROM-PROGRAMMED (1818-4368) 27C512-2 IC CMOS 262144 (256K) STAT RAM 150-NS IC CMOS 262144 (256K) STAT RAM 120-NS IC FF CMOS/74HCT D-TYPE POS-EDGE-TRIG IC CNTR CMOS/74HCT BIN ASYNCHRO IC GATE CMOS/HCT NAND QUAD 2-INP IC CNTR CMOS/74HCT BIN ASYNCHRO IC GATE CMOS/74HCT OR QUAD 2-INP IC GATE CMOS/74HCT NOR QUAD 2-INP IC CNTR CMOS/74HCT BIN ASYNCHRO IC-PROGRAMMABLE TIMER MODULE; 6MHZ IC GATE CMOS/HCT NAND QUAD 2-INP	04713 27014 01295 28480 28480 27014 28480 28480 28480 28480 28480 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 18324 28480 27014	MC68HC000P8 DM74ALS373N SN74ALS245AN 03458-88803 03458-88804 DM74ALS373N 03245-88820 03245-88821 03245-88822 03245-88823 1818-4336 1818-3981 74HCT74N 74HCT4020N MM74HCT00N 74HCT393N 74HCT32N 74HCT02N 74HCT393N 1820-5875 MM74HCT00N

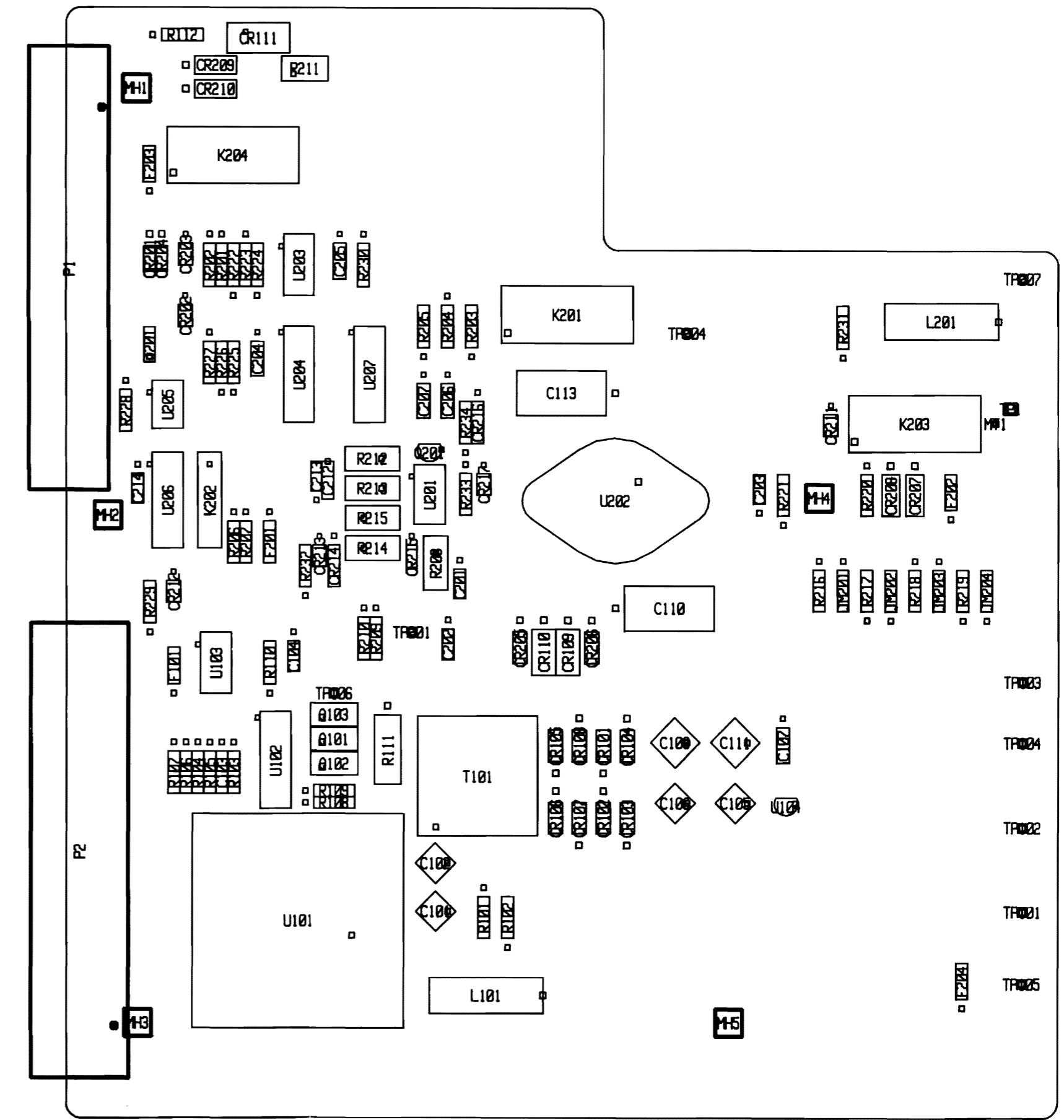
03245-66505
REPLACEMENT PARTS

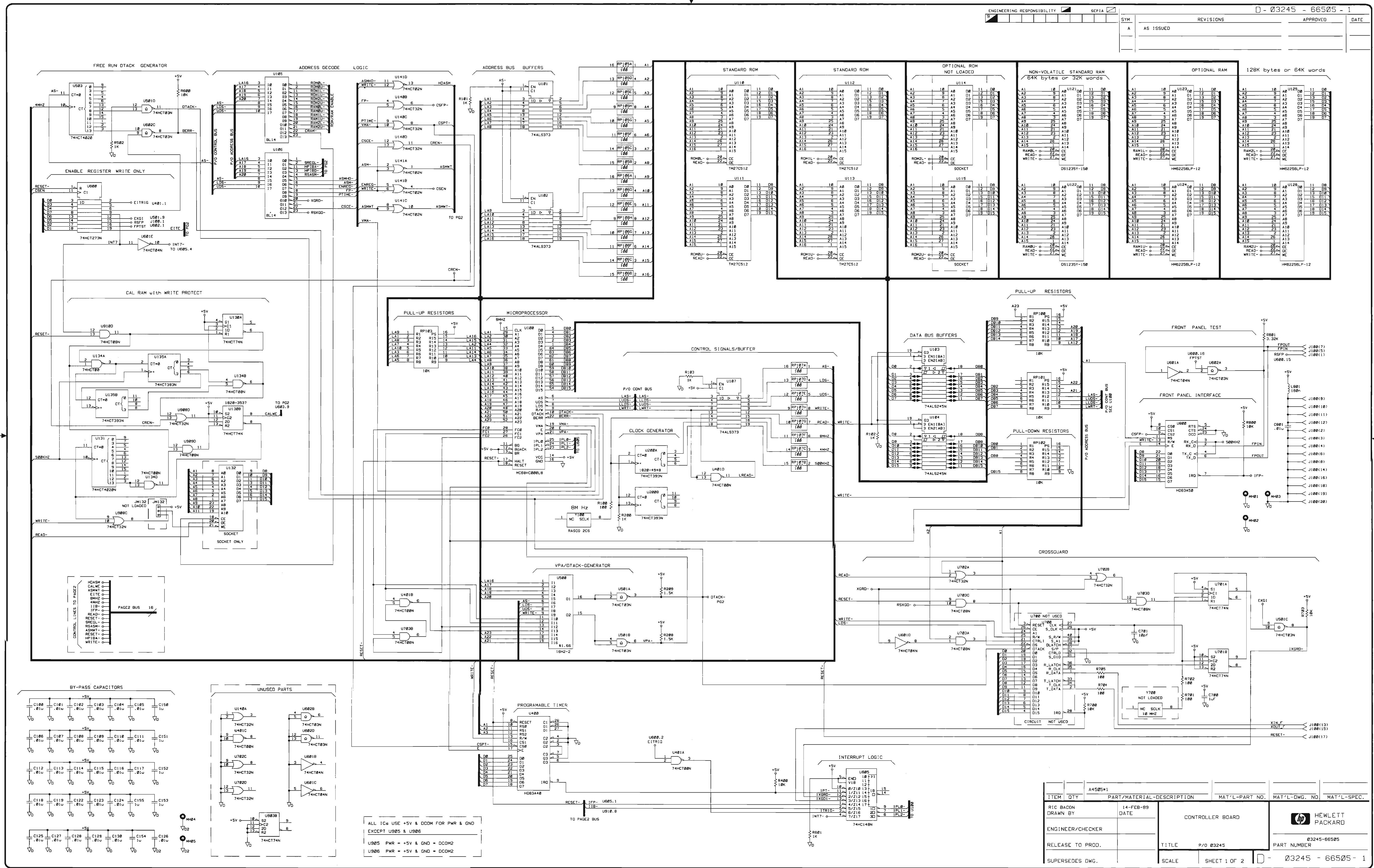
Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A5U500	03458-88805	1	PAL-PROGRAMMED (1820-5816) 16H2-2	28480	03458-88805
A5U501	1820-4863	2	IC GATE CMOS/74HCT NAND QUAD 2-INP	18324	74HCT03N
A5U503	1820-4949		IC CNTR CMOS/74HCT BIN ASYNCHRO	18324	74HCT4020N
A5U600	1820-4086	1	IC FF CMOS/74HCT D-TYPE POS-EDGE-TRIG	18324	74HCT273N
A5U601	1820-3629	1	IC INVERTER CMOS/HCT HEX	27014	MM74HCT04N
A5U602	1820-4863		IC GATE CMOS/74HCT NAND QUAD 2-INP	18324	74HCT03N
A5U603	1820-4586	1	IC DRIVER/RCVR CMOS/HCT BUS OCTL	01295	SN74HCT541N
A5U605	1820-4675	1	IC ENCDR CMOS/74HC PRIORITY 8-TO-3-LINE	01295	SN74HC148N
A5U701	1820-3537		IC FF CMOS/74HCT D-TYPE POS-EDGE-TRIG	18324	74HCT74N
A5U702	1820-4721		IC GATE CMOS/74HCT OR QUAD 2-INP	18324	74HCT32N
A5U703	1820-4583	3	IC GATE CMOS/74HCT AND QUAD 2-INP	18324	74HCT08N
A5U800	1820-5905	1	IC-ASYNCH. COMMUN. INTERFACE ADAPTER	28480	1820-5905
A5U900	1820-3121		IC TRANSCEIVER TTL/ALS BUS OCTL	01295	SN74ALS245AN
A5U901	1820-4147	1	IC LCH CMOS/74HCT TRANSPARENT OCTL	34371	CD74HCT573E
A5U902-U903	1820-3537		IC FF CMOS/74HCT D-TYPE POS-EDGE-TRIG	18324	74HCT74N
A5U904	1820-2548	1	IC-GENERAL PURPOSE INTERFACE BUS ADAPTER	01295	TMS9914ANL
A5U905	1820-6170	1	IC-INTERFACE XCVR BIPOLEAR BUS OCTL	01295	SN75ALS160N
A5U906	1820-3513	1	IC-INTERFACE XCVR MISC/UNKNOWN	27014	DS75161AN
A5U907	03458-88816	1	PAL-PROGRAMMED (1820-3600)	28480	03458-88816
A5U908	1820-4721		IC GATE CMOS/74HCT OR QUAD 2-INP	18324	74HCT32N
A5U909-U910	1820-4583		IC GATE CMOS/74HCT AND QUAD 2-INP	18324	74HCT08N
A5XU110-XU113	1200-0861	4	SOCKET-IC-DIP 28-CONTACT DIP DIP-SLDR	00779	2-640362-1
A5XU132	1200-0541	1	SOCKET-IC-DIP 24-CONTACT DIP DIP-SLDR	09922	DILB24P-308T
A5XU700	1200-0817	1	SOCKET-IC-DIP 40-CONTACT DIP DIP-SLDR	00779	2-640379-1
A5Y100	1813-0668	1	CLOCK-OSCILLATOR-XTAL 8.0000-MHZ 0.005%	28480	1813-0668

Code List of Manufacturers - 03245-66505

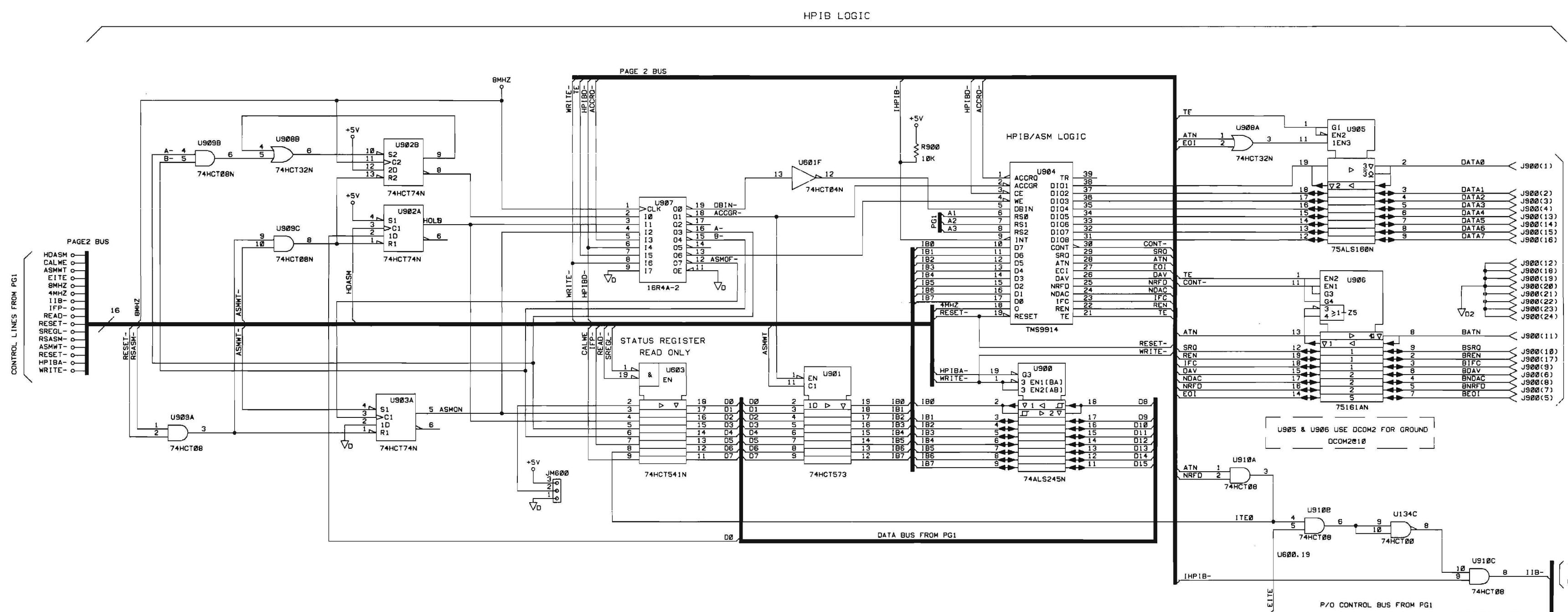
Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
00779	AMP INC	HARRISBURG	PA US 17111
01295	TEXAS INSTRUMENTS INC	DALLAS	TX US 75265
04222	AVX CORP	GREAT NECK	NY US 11021
04713	MOTOROLA INC	ROSELLE	IL US 60195
09922	BURNDY CORP	NORWALK	CT US 06856
11236	CTS CORP	ELKHART	IN US 46514
18324	SINETICS CORP	SUNNYVALE	CA US 94086
18873	DUPONT E I DE NEMOURS & CO	WILMINGTON	DE US 19801
19701	NORTH AMERICAN PHILIPS CORP	NEW YORK	NY US 10017
24546	CORNING GLASS WORKS	CORNING	NY US 14830
26742	METHODE ELECTRONICS INC	CHICAGO	IL US 60656
27014	NATIONAL SEMICONDUCTOR CORP	SANTA CLARA	CA US 95052
28480	HEWLETT PACKARD COMPANY - CORPORATE	PALO ALTO	CA US 94304
34371	HARRIS CORP	MELBOURNE	FL US 32901
56289	SPRAGUE ELECTRIC CO	LEXINGTON	MA US 02173
76381	3M CO	ST PAUL	MN US 55144
85480	BRADY W H CO	MILWAUKEE	WI US 53209

03245-26503 A 2-11-91





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9					
SYM	REVISIONS			APPROVED	DATE
A	AS ISSUED				



		A4505*2			
ITEM	QTY	PART/MATERIAL-DESCRIPTION	MAT'L-PART NO.	MAT'L-DWG. NO.	MAT'L-SPEC
RIC BACON DRAWN BY	14-FEB-89 DATE	OUTGUARD/HPIB CONTROLLER BOARD P/O 03245		 HEWLETT PACKARD	
ENGINEER/CHECKER		TITLE		03245-66505	PART NUMBER
RELEASE TO PROD.		SCALE	SHEET 2 OF 2	03245 - 66505 -	
SUPERSEDES DWG.					

03245-66506
REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A6	03245-66506 0460-0778 0590-1095 9320-5780	1 .17 1 0	PRINTED CIRCUIT ASSEMBLY - OUTGRD P.S. TAPE-INDL .75-IN-W .25-IN-T POLYU-FM THREADED INSERT - M3 X 0.5 1.5-MM-LG LBL-LNE-PTR; .9-IN-WD X .25-IN-LG	28480 87730 46384 85480	03245-66506 TESA 761-4763 KF2-M3-ZI DAT-50-652
A6C1	0180-4032	2	CAPACITOR-FXD 680uF +-20% 50 V AL-ELCTLT	28480	0180-4032
A6C2	0180-0116	1	CAPACITOR-FXD 6.8uF +-10% 35 V TA	56289	150D685X9035B2-DYS
A6C3	0160-4819	1	CAPACITOR-FXD 2200pF +-5% 100 V CER COG	04222	SA301A222JAAH
A6C4	0180-0197	3	CAPACITOR-FXD 2.2uF +-10% 20 V TA	56289	150D225X9020A2-DYS
A6C5-C6	0160-4842	2	CAPACITOR-FXD 0.22uF +80% -20% 50 V CER Z5U	04222	SA115E224ZAAH
A6C7	0160-4204	1	CAPACITOR-FXD .033uF +-10% 500 V CER X7R	28480	0160-4204
A6C8	0180-3898	1	CAPACITOR-FXD 8300uF +75% -10% 35 V AL-ELCTLT	56289	53D832G035JP7
A6C9	0160-4571	1	CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A6C11	0180-4032		CAPACITOR-FXD 680uF +-20% 50 V AL-ELCTLT	28480	0180-4032
A6C12	0180-0100	1	CAPACITOR-FXD 4.7uF +-10% 35 V TA	56289	150D475X9035B2-DYS
A6C15-C16	0160-4281	2	CAPACITOR-FXD 2200pF +-20% 250 V PPR-MET	28480	0160-4281
A6C103	0160-4835	5	CAPACITOR-FXD 0.1uF +-10% 50 V CER X7R	04222	SA105C104KAAH
A6C104	0160-4787	1	CAPACITOR-FXD 22pF +-5% 100 V CER COG	56289	150D225X9020A2-DYS
A6C105	0180-0197		CAPACITOR-FXD 2.2uF +-10% 20 V TA	28480	0180-3828
A6C200-C201	0180-3828	2	CAPACITOR-FXD 47uF +-20% 63 V AL-ELCTLT	28480	0180-3830
A6C202	0180-3830	1	CAPACITOR-FXD 330uF +-20% 25 V AL-ELCTLT	28480	0180-3829
A6C203	0180-3829	1	CAPACITOR-FXD 220uF +-20% 16 V AL-ELCTLT	28480	0180-3829
A6C301-C303	0160-4835		CAPACITOR-FXD 0.1uF +-10% 50 V CER X7R	04222	SA105C104KAAH
A6C304	0180-0197		CAPACITOR-FXD 2.2uF +-10% 20 V TA	56289	150D225X9020A2-DYS
A6C400	0160-4822	1	CAPACITOR-FXD 1000pF +-5% 100 V CER COG	04222	SA201A102JAAH
A6C401	0160-4835		CAPACITOR-FXD 0.1uF +-10% 50 V CER X7R	04222	SA105C104KAAH
A6C402-C403	0160-4832	7	CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R	04222	SA101C103KAAH
A6C405	0160-4832		CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R	04222	SA101C103KAAH
A6C406-C407	0180-0291	2	CAPACITOR-FXD 1uF +-10% 35 V TA	56289	150D105X9035A2-DYS
A6C409-C421	0160-4812	20	CAPACITOR-FXD 220pF +-5% 100 V CER COG	04222	SA101A221JAAH
A6C422-C425	0160-4832		CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R	04222	SA101C103KAAH
A6C426-C432	0160-4812		CAPACITOR-FXD 220pF +-5% 100 V CER COG	04222	SA101A221JAAH
A6CR1	1901-0638	1	DIODE-FULL WAVE BRIDGE 100V 4A	71744	KBU4B
A6CR2	1902-1505	1	DIODE-V-SUPPR 6.5V TO-220AC	04713	MZT4554B
A6CR3	1902-0644	1	DIODE-ZENER 1N5363B 30V 5% PD=5W TC=+29MV	28480	1902-0644
A6CR4	1901-0782	1	DIODE-SCHOTTKY BARRIER 30V 3A	04713	1N5821
A6CR101	1901-0050	2	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A6CR301-CR304	1901-0734	4	DIODE-POWER RECTIFIER 1N5818 30V 1A	04713	1N5818
A6CR305	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A6CR306-CR307	1902-0952	2	DIODE-ZENER 5.6V 5% PD=.4W TC=+.046% IR=1U	04713	SZ30035-10RL
A6CR400	1902-0951	1	DIODE-ZENER 5.1V 5% PD=.4W TC=+.035% IR=1U	04713	SZ30035-9RL
A6E400	0960-0561	1	AUDIO TRANSDUCER 1-3 VDC; 80DB AT 10CM	28480	0960-0561
A6F1	2110-0043	1	FUSE 1.5A 250V 1.25X.25 UL	75915	312 01.5
A6FC1	2110-0565	1	FUSEHOLDER CAP 12A MAX FOR UL	28480	2110-0565
A6HS2	1205-0318	1	HEAT SINK SGL TO-220-CS	13103	6045B
A6J15	1251-0600	1	CONNECTOR-SGL CONTACT PIN 1.14-MM-BSC-SZ SQ	27264	16-06-0034
A6J100	1251-8106	1	CONNECTOR-POST TYPE .100-PIN-SPCG 20-CONTACT	76381	2520-6002UB
A6J200	1251-8248	1	CONNECTOR-POST TYPE .100-PIN-SPCG 26-CONTACT	76381	2526-6002UB
A6JM1	7175-0057	7	RESISTOR 0 MFS	28480	7175-0057
A6JM100-JM101	7175-0057		RESISTOR 0 MFS	28480	7175-0057
A6JM102-JM103	8159-0005	2	RESISTOR 0 MFS	55210	L-2007-1
A6JM200	7175-0057		RESISTOR 0 MFS	28480	7175-0057
A6JM300	7175-0057		RESISTOR 0 MFS	28480	7175-0057
A6JM400-JM401	7175-0057		RESISTOR 0 MFS	28480	7175-0057

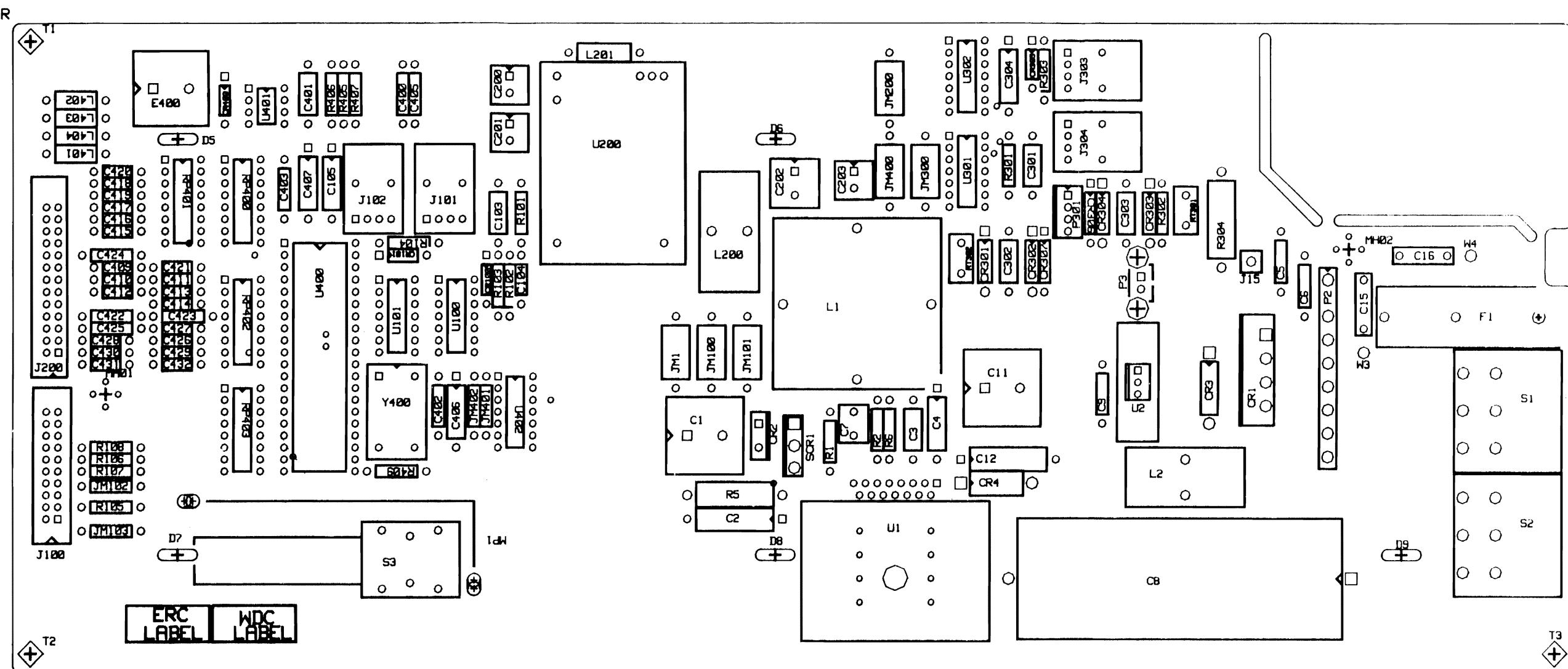
03245-66506
REPLACEMENT PARTS

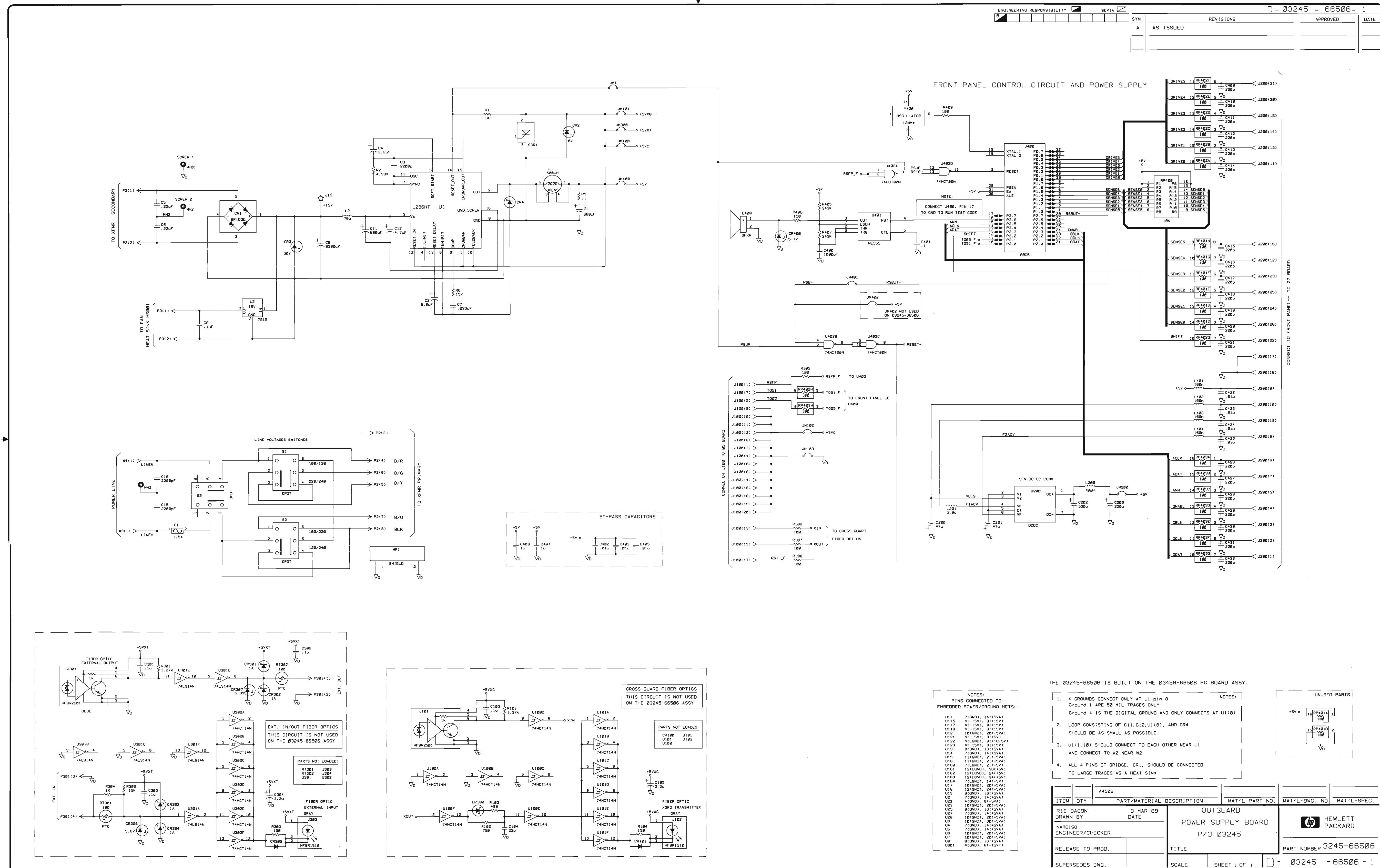
Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A6L1	9140-1178	1	INDUCTOR-FIXED L=643 uH @ 0Adc MIN	01961	PE-51970
A6L2	9140-1062	2	INDUCTOR-FIXED L: 70 uH TYPICAL @ 3.0 A	01961	52679
A6L200	9140-1062		INDUCTOR-FIXED L: 70 uH TYPICAL @ 3.0 A	01961	52679
A6L201	9100-3560	1	INDUCTOR RF-CHOKE-MOLDED 5.6uH +-5%	24226	15M561J
A6L401-L404	9170-1368	4	CORE-SHIELDING BEAD INIT PERMEABILITY	19701	11426-4A6
A6LBL1	9320-5333	1	LBL-LNE-PTR; .625-IN-WD X .25-IN-LG	28480	9320-5333
A6LBL2	7121-7148	1	LABEL- INFORMATION .25-IN-WD .9-IN-LG	28480	7121-7148
A6MP1	03458-01204	1	BRKT-HEAT SINK	28480	03458-01204
	0590-1088	2	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	48384	S-M3-2-ZI
	7204-0513	0	ALUMINUM SH .063IN 32IN 48IN AA5052-H321	28480	7204-0513
A6MP1A	0515-0372	1	SCREW-MACHINE ASSEMBLY M3 X 0.5 8MM-LG	28480	0515-0372
A6P2	1252-0239	1	CONNECTOR-POST TYPE 5.0-PIN-SPCG 8-CONTACT	27264	10-16-3081
A6P3	1252-3694	1	CONNECTOR-POST TYPE .100-PIN-SPCG 2-CONTACT	27264	705-45-0071
A6PCB1	03458-26506	1	PRINTED CIRCUIT BOARD-BLANK	28480	03458-26506
A6R1	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1001-F
A6R2	0698-3279	1	RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A6R5	0699-1075	1	RESISTOR .1 +-3% 3W MFS TC=0+-70	01686	LO-3-0.1-3-RP
A6R6	0757-0446	2	RESISTOR 15K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1502-F
A6R101	0698-4422	2	RESISTOR 1.27K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1271-F
A6R102	0757-0420	1	RESISTOR 750 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-751-F
A6R103	0698-4123	1	RESISTOR 499 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-499R-F
A6R104	0757-0284	3	RESISTOR 150 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-151-F
A6R105-R108	0757-0401	5	RESISTOR 100 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-101-F
A6R301	0698-4422		RESISTOR 1.27K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1271-F
A6R302	0757-0446		RESISTOR 15K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1502-F
A6R303	0757-0284		RESISTOR 150 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-151-F
A6R304	0764-0016	1	RESISTOR 1K +-5% 2W MO TC=0+-200	28480	0764-0016
A6R405	0757-0474	2	RESISTOR 243K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2433-F
A6R406	0757-0284		RESISTOR 150 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-151-F
A6R407	0757-0474		RESISTOR 243K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2433-F
A6R409	0757-0401		RESISTOR 100 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-101-F
A6RP400	1810-0286	1	NETWORK-RES 16-DIP 10.0K OHM X 15	11236	761-1-R10K
A6RP401-RP403	1810-0338	3	NETWORK-RES 16-DIP 100.0 OHM X 8	11236	761-3-R100
A6S1-S2	3101-2769	2	SWITCH-SL DPDT STD 5A 250VAC PC	28480	3101-2769
A6S3	3101-2887	1	SWITCH-PB DPDTALTNG 6A 250 VAC	71468	130222
A6SCR1	1884-0350	1	THYRISTOR-SCR 2N6394 TO-220AB VRMM=50	04713	2N6394
A6U1	1826-1822	1	IC VOLTAGE REGULATOR-SWG 5.1/40V 15 PKG	50088	L296HT
A6U2	1826-0106	1	IC V RGLTR-FXD-POS 14.4/15.6V TO-220 PKG	04713	MC7815CT
A6U200	0950-1904	1	DC-DC CONVERTER 5 VDC TO 25.0 V AND 32.5	28480	0950-1904
A6U400	03458-85502	1	IC-ROM PROGRAMMED (INTELL) 80C51	28480	03458-85502
A6U401	1826-0180	1	IC TIMER TTL	18324	NE555N
A6U402	1820-3664	1	IC GATE CMOS/HCT NAND QUAD 2-INV	27014	MM74HCT00N
A6W3-W4	5061-1664	2	CABLE 18 AWG TERM1;1251-4823 TERM2;8MM STRIP	28480	5061-1664
	1251-4823	1	CONNECTOR-SINGLE CONTACT QDISC-FEM	00779	2-520183-2
	8150-0224	1	WIRE 18AWG W/BK/GY 600V PVC 19X30 105C	28480	8150-0224
A6XF1	2110-0642	1	FUSEHOLDER-EXTRACTOR-POST 6.3A 250V	28480	2110-0642
A6Y400	1813-0661	1	CLOCK-OSCILLATOR-XTAL 12.0000-MHZ 0.01%	28480	1813-0661

Code List of Manufacturers - 03245-66506

Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
00779	AMP INC	HARRISBURG	PA US 17111
01686	RCL ELECTRONICS INC	NORTHBROOK	IL US 60062
01961	PULSE ENGINEERING INC	SAN DIEGO	CA US 92111
04222	AVX CORP	GREAT NECK	NY US 11021
04713	MOTOROLA INC	ROSELLE	IL US 60195
11236	CTS CORP	ELKHART	IN US 46514
13103	THERMALLOY INC	DALLAS	TX US 75234
18324	SIGNETICS CORP	SUNNYVALE	CA US 94086
19701	NORTH AMERICAN PHILIPS CORP	NEW YORK	NY US 10017
24226	GOWANDA ELECTRONICS CORP	GOWANDA	NY US 14070
24546	CORNING GLASS WORKS	CORNING	NY US 14830
27014	NATIONAL SEMICONDUCTOR CORP	SANTA CLARA	CA US 95052
27264	MOLEX INC	LISLE	IL US 60532
28480	HEWLETT PACKARD COMPANY - CORPORATE	PALO ALTO	CA US 94304
46384	PENN ENGINEERING & MFG CORP	DOYLESTOWN	PA US 18901
50088	SGS-THOMSON MICROELECTRONICS INC	PHOENIX	AZ US 85022
55210	GETTIG ENGRG & MFG CO INC	SPRING MILLS	PA US 16875
56289	SPRAGUE ELECTRIC CO	LEXINGTON	MA US 02173
71468	ITT CORP	NEW YORK	NY US 10022
71744	GENERAL INSTRUMENT CORP	CLIFTON	NJ US 07012
75915	LITTELFUSE INC	DES PLAINES	IL US 60016
76381	3M CO	ST PAUL	MN US 55144
85480	BRADY W H CO	MILWAUKEE	WI US 53209
87730	UNIMICA	NEW YORK	NY US 10013

DRILL SIDE 03458-26506 04-25-88 REV A EGS-200 V2.11





03245-66511
REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A1	03245-66511	1	PRINTED CIRCUIT ASSEMBLY-INGRD SOURCE	28480	03245-66511
	0361-0321	2	RIVET-SEMITUB OVH .123DIA .469LG	42838	TC1-15-ST
	0361-1294	2	RIVET-SEMITUB .099DIA .328LG	28480	0361-1294
	0590-1095	8	THREADED INSERT- M3 X 0.5 1.5-MM-LG	46384	KF2-M3-ZI
	9320-5780	0	LABEL-LNE-PTR; .9-IN-WD X .25-IN-LG	85480	DAT-50-652
A1C1	0180-0229	1	CAPACITOR-FXD 33uF +-10% 10 V TA	56289	150D336X9010B2-DYS
A1C2-C9	0160-4571	36	CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C10	0180-3871	1	CAPACITOR-FXD 330uF +-20% 50 V AL-ELCTLT	28480	0180-3871
A1C11-C12	0160-4835	4	CAPACITOR-FXD 0.1uF +-10% 50 V CER X7R	04222	SA105C104ZAAH
A1C13	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C14	0160-4800	5	CAPACITOR-FXD 120pF +-5% 100 V CER COG	04222	SA102A121JAAH
A1C16	0160-4800		CAPACITOR-FXD 120pF +-5% 100 V CER COG	04222	SA102A121JAAH
A1C17	0160-4532	8	CAPACITOR-FXD 1000pF +-20% 50 V CER X7R	04222	SA101C102MAAH
A1C18	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C19	0160-4786	1	CAPACITOR-FXD 27pF +-5% 100 V CER COG	04222	SA102A270JAAH
A1C20	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C300-C301	0160-4800		CAPACITOR-FXD 120pF +-5% 100 V CER COG	04222	SA102A121JAAH
A1C302-C303	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C304	0160-4831	4	CAPACITOR-FXD 4700pF +-10% 100 V CER X7R	04222	SA101C472ZAAH
A1C400-C401	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C402	0160-4532		CAPACITOR-FXD 1000pF +-20% 50 V CER X7R	04222	SA101C102MAAH
A1C403	0160-4835		CAPACITOR-FXD 0.1uF +-10% 50 V CER X7R	04222	SA105C104ZAAH
A1C404	0160-4532		CAPACITOR-FXD 1000pF +-20% 50 V CER X7R	04222	SA101C102MAAH
A1C405	0180-0291	9	CAPACITOR-FXD 1uF +-10% 35 V TA	56289	150D105X9035A2-DYS
A1C406-C410	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C411	0160-4791	3	CAPACITOR-FXD 10pF +-5% 100 V CER COG	04222	SA102A100JAAH
A1C412-C415	0160-6941	9	CAPACITOR-FXD 0.01uF +-5% 160 V POLYP-FL	28480	0160-6941
A1C416-C420	0160-6942	5	CAPACITOR-FXD 0.022uF +-5% 160 V POLYP-FL	28480	0160-6942
A1C421	0160-6941		CAPACITOR-FXD 0.01uF +-5% 160 V POLYP-FL	28480	0160-6941
A1C422	0160-6841	3	CAPACITOR-FXD 1000pF +-2% 250 V POLYP-FL	28480	0160-6841
1C423	0160-4805	2	CAPACITOR-FXD 47pF +-5% 100 V CER COG	04222	SA102A470JAAH
.1C424	0160-4813	1	CAPACITOR-FXD 180pF +-5% 100 V CER COG	04222	SA101A181JAAH
A1C425	0160-5349	1	CAPACITOR-FXD 200pF +-5% 100 V CER COG	04222	SA101A201JAAH
A1C426	0160-5305	1	CAPACITOR-FXD 3.3pF +-10% 200 V CER COG	04222	MA102A3R3ZAAH
A1C427-C428	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C429	0160-4831		CAPACITOR-FXD 4700pF +-10% 100 V CER X7R	04222	SA101C472ZAAH
A1C430	0160-4791		CAPACITOR-FXD 10pF +-5% 100 V CER COG	04222	SA102A100JAAH
A1C431-C432	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C433-C434	0160-6941		CAPACITOR-FXD 0.01uF +-5% 160 V POLYP-FL	28480	0160-6941
A1C435-C436	0160-4831		CAPACITOR-FXD 4700pF +-10% 100 V CER X7R	04222	SA101C472ZAAH
A1C438	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C500	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA102A100JAAH
A1C501	0160-4791		CAPACITOR-FXD 10pF +-5% 100 V CER COG	04222	SA105E104ZAAH
A1C502	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C504	0160-4532		CAPACITOR-FXD 1000pF +-20% 50 V CER X7R	04222	SA101C102MAAH
A1C505	0160-4807	1	CAPACITOR-FXD 33pF +-5% 100 V CER COG	04222	SA105E104ZAAH
A1C506	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C507	0180-0116	2	CAPACITOR-FXD 6.8uF +-10% 35 V TA	56289	150D685X9035B2-DYS
A1C508	0160-4787	1	CAPACITOR-FXD 22pF +-5% 100 V CER COG	04222	SA102A220JAAH
A1C509	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C510	0180-0116		CAPACITOR-FXD 6.8uF +-10% 35 V TA	56289	150D685X9035B2-DYS
A1C511	0180-0291		CAPACITOR-FXD 1uF +-10% 35 V TA	56289	150D105X9035A2-DYS
A1C513-C514	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C515	0160-4800		CAPACITOR-FXD 120pF +-5% 100 V CER COG	04222	SA102A121JAAH
A1C600-C603	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
A1C604	0160-6841		CAPACITOR-FXD 1000pF +-2% 250 V POLYP-FL	28480	0160-6841
A1C605	0160-6941		CAPACITOR-FXD 0.01uF +-5% 160 V POLYP-FL	28480	0160-6941
A1C606	0160-4805		CAPACITOR-FXD 47pF +-5% 100 V CER COG	04222	SA102A470JAAH
A1C607	0160-4809	2	CAPACITOR-FXD 390pF +-5% 100 V CER COG	04222	SA101A391JAAH
A1C608	0160-6941		CAPACITOR-FXD 0.01uF +-5% 160 V POLYP-FL	28480	0160-6941
A1C609	0180-0291		CAPACITOR-FXD 1uF +-10% 35 V TA	56289	150D105X9035A2-DYS
A1C610	0160-4571		CAPACITOR-FXD 0.1uF +80% -20% 50 V CER Z5U	04222	SA105E104ZAAH
1C611	0160-6841		CAPACITOR-FXD 1000pF +-2% 250 V POLYP-FL	28480	0160-6841
C612	0160-4809		CAPACITOR-FXD 390pF +-5% 100 V CER COG	04222	SA101A391JAAH

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Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A1C620	0160-4532		CAPACITOR-FXD 1000pF +/-20% 50 V CER X7R	04222	SA101C102MAAH
A1C900	0180-3872	1	CAPACITOR-FXD 470uF +/-10% 25 V AL-ELCLTLT	56289	6720477H025DS3PD129
A1C901	0180-0291		CAPACITOR-FXD 1uF +/-10% 35 V TA	56289	150D105X9035A2-DYS
A1C902	0160-0161	2	CAPACITOR-FXD 0.01uF +/-10% 200 V POLYE-FL	28480	0160-0161
A1C903-C904	0160-4532		CAPACITOR-FXD 1000pF +/-20% 50 V CER X7R	04222	SA101C102MAAH
A1C905	0160-0161		CAPACITOR-FXD 0.01uF +/-10% 200 V POLYE-FL	28480	0160-0161
A1C906	0160-4532		CAPACITOR-FXD 1000pF +/-20% 50 V CER X7R	04222	SA101C102MAAH
A1C907	0180-3866	1	CAPACITOR-FXD 100uF +/-20% 25 V AL-ELCLTLT	56289	513D107M025BB3DD002
A1C908	0180-0291		CAPACITOR-FXD 1uF +/-10% 35 V TA	56289	150D105X9035A2-DYS
A1C909	0180-1731	1	CAPACITOR-FXD 4.7uF +/-10% 50 V TA	56289	1500475X9050B2-DYS
A1C910-C911	0180-3904	2	CAPACITOR-FXD 470uF +/-20% 50 V AL-ELCLTLT	28480	0180-3904
A1C912	0160-4835		CAPACITOR-FXD 0.1uF +/-10% 50 V CER X7R	04222	SA105C104KAH
A1C913	0180-0291		CAPACITOR-FXD 1uF +/-10% 35 V TA	56289	150D105X9035A2-DYS
A1C915-C917	0180-0291		CAPACITOR-FXD 1uF +/-10% 35 V TA	56289	150D105X9035A2-DYS
A1CR1	1901-0050	15	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR2-CR8	1901-0743	11	DIODE-POWER RECTIFIER 1N4004 400V 1A DO-41	71744	1N4004
A1CR9	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR13	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR15	1902-1291	1	DIODE-ZENER 1N5338B 5.1V 5% PD=5W IR=1UA	04713	1N5338B
A1CR16	1902-0029	1	DIODE-ZENER 12V 5% PD=1W IR=5UA	28480	1902-0029
A1CR18	1902-0951	3	DIODE-ZENER 5.1V 5% PD=.4W TC=+.035% IR=1U	04713	SZ30035-9RL
A1CR400	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR500-CR502	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR507-CR508	1901-0743		DIODE-POWER RECTIFIER 1N4004 400V 1A DO-41	71744	1N4004
A1CR509	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR511-CR512	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR513	1902-0945	1	DIODE-ZENER 3V 5% PD=.4W TC=-.043% IR=50UA	04713	SZ0035-3RL
A1CR600-CR603	1901-0880	4	DIODE-GENERAL PURPOSE 125MA DO-35	27014	FDH5323.03
A1CR604-CR605	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR620-CR621	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR900-CR901	1902-0951		DIODE-ZENER 5.1V 5% PD=.4W TC=+.035% IR=1U	04713	SZ30035-9RL
A1CR902-CR903	1901-0734	2	DIODE-POWER RECTIFIER 1N5818 30V 1A	04713	1N5818
A1CR904	1901-0050		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A1CR905-CR908	1901-0828	4	DIODE-POWER RECTIFIER 50V 2.5A	28480	1901-0828
A1CR909	1902-0522	1	DIODE-ZENER 1N5340B 6V 5% PD=5W IR=1UA	04713	1N5340B
A1CR910-CR911	1902-0632	2	DIODE-ZENER 1N5354B 17V 5% PD=5W TC=-75% I	04713	1N5354B
A1CR913-CR914	1901-0743		DIODE-POWER RECTIFIER 1N4004 400V 1A DO-41	71744	1N4004
A1F1-F3	2110-0698	3	FUSE-SUBMINIATURE 2.5A 125V NTD AX	75915	R25102.5T1
A1HS180	1205-0623	6	HEAT SINK PLASTIC-POWER-CASE	13103	6079B
A1HS507	1205-0376	1	HEAT SINK SGL PLASTIC-POWER-CASE	13103	6072B
A1HS507A	0340-0564	2	INSULATOR-XSTR THERMAL-CONDUCTIVE	55285	7403-09FR-51
A1HS507B	0340-0564		INSULATOR-XSTR THERMAL-CONDUCTIVE	55285	7403-09FR-51
A1HS900-HS901	1205-0623		HEAT SINK PLASTIC-POWER-CASE	13103	6079B
A1HS904	1205-0623		HEAT SINK PLASTIC-POWER-CASE	13103	6079B
A1HS906-HS907	1205-0623		HEAT SINK PLASTIC-POWER-CASE	13103	6079B
A1JM001-JM009	7175-0057	9	RESISTOR 0 MFS	28480	7175-0057
A1JM1	1251-4682	1	CONNECTOR-POST TYPE .100-PIN-SPCG 3-CONTACT	26742	1102-1-103-02
A1JM1A	1258-0141	1	JUMPER-REMOVABLE FOR .025 IN SQ PINS	18873	65474-004
A1K1	0490-1564	1	RELAY 4A 12VDC-COIL 4A 250VAC	28480	0490-1564
A1K2	0490-1649	2	RELAY 2B 12VDC-COIL 3A 250VDC	28480	0490-1649
A1K3	0490-1563	2	RELAY 3AB 12VDC-COIL 4A 250VAC	28480	0490-1563
A1K4	0490-1649		RELAY 2B 12VDC-COIL 3A 250VDC	28480	0490-1649
A1K90	0490-1563		RELAY 3AB 12VDC-COIL 4A 250VAC	28480	0490-1563
A1L1	9100-3560	1	INDUCTOR-FIXED RF-CH-MLD 5.6uH +/-5%	24226	15M561J
A1L2	9100-1788	1	CORE-FERRITE CHOKE-WIDEBAND;IMP:>680	28480	9100-1788
A1L400	9140-0639	1	INDUCTOR-FIXED RF-CH-MLD 100uH +/-10%	04213	6376-1
A1L401	9100-2565	1	INDUCTOR-FIXED RF-CH-MLD 180uH +/-10%	28480	9100-2565

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Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A1L600	9100-2486	2	INDUCTOR-FIXED RF-CH-MLD 330NH +-5%	24226	15M330J
A1L601	9170-1368	1	CORE-SHIELDING BEAD INIT PERMEABILITY	19701	11426-4A6
A1L603	9100-2486		INDUCTOR-FIXED RF-CH-MLD 330NH +-5%	24226	15M330J
A1L900	9140-1024	1	INDUCTOR-FIXED L: 0.50 MH -0,+30% @	01961	PE-50503-006
A1L901	9140-1175	2	INDUCTOR-FIXED L:1 MH,-0%,+30% @ 0.35 A	01961	PE-50501-004
A1L902	9140-0893	1	INDUCTOR-FIXED 2MH -0%+30%; Q:60 MIN	01961	PE 50502
A1L903	9140-1175		INDUCTOR-FIXED L:1 MH,-0%,+30% @ 0.35 A	01961	PE-50501-004
A1LBL1	9320-5333	1	LABEL-LNE-PTR; .625-IN-WD X .25-IN-LG	28480	9320-5333
A1LBL2	7121-7148	1	LABEL-INFORMATION .25-IN-WD .9-IN-LG	28480	7121-7148
A1MP1-MP2	3050-0082	2	WASHER-FL NM NO. 4 .116-IN-ID .188-IN-OD	76854	8942-3
A1P1	5180-6699	1	CONNECTOR-2X9M> NOKEY	28480	5180-6699
A1P2	1252-1591	1	CONNECTOR-POST TYPE 5.08-PIN-SPCG 48-CONTACT	00779	534893-5
A1PCB1	03245-26511	1	PRINTED CIRCUIT BOARD - BLANK	28480	03245-26511
A1Q1	1854-1028	1	TRANSISTOR NPN SI PD=350MW FT=300MHZ	04713	2N3904
A1Q500	1853-0673	1	TRANSISTOR-DUAL PNP 2N3811 PD=600MW	04713	2N3811
A1Q501	1855-0414	2	TRANSISTOR J-FET 2N4393 N-CHAN D-MODE	17856	2N4393
A1Q502	1855-0730	1	TRANSISTOR-J-FET DUAL N-CHAN D-MODE SI	27014	NPD5564(SEL)
A1Q503	1854-1040	1	TRANSISTOR NPN SI PD=310MW FT=50MHZ	27014	2N5088
A1Q504	1853-0563	1	TRANSISTOR PD=310MW FT=250MHZ	04713	2N3906(SEL)
A1Q505	1855-0414		TRANSISTOR J-FET 2N4393 N-CHAN D-MODE	17856	2N4393
A1Q506	1854-0233	1	TRANSISTOR NPN 2N3866 PD=1W FT=500MHZ	3L585	2N3866
A1Q507	1854-1187	1	TRANSISTOR NPN SI PD=1.2W FT=120MHZ	2M627	2SD1378
A1Q508	1853-0674	1	TRANSISTOR PNP SI PD=1.2W FT=100MHZ	2M627	2SB1007
A1Q509	1853-0569	1	TRANSISTOR PNP SI PD=310MW FT=40MHZ	28480	1853-0569
A1Q600	1855-0410	1	TRANSISTOR J-FET N-CHAN D-MODE TO-18 SI	28480	1855-0410
A1Q900-Q901	1855-0548	2	TRANSISTOR MOSFET N-CHAN E-MODE TO-220	04713	BUZ71A
A1R1-R2	0698-3279	8	RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A1R3-R4	0757-0424	11	RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R5	0698-3279		RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A1R7	0757-0283	6	RESISTOR 2K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
A1R8-R9	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R10	0698-3279		RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A1R11	0757-0393	5	RESISTOR 47.5 +-1% .125W TF TC=0+-100	24546	0757-0393
A1R13	0757-0469	3	RESISTOR 150K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1503-F
A1R15	0757-0415	3	RESISTOR 475 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-475R-F
A1R16	0757-0283		RESISTOR 2K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
A1R17	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R18	0698-3215	1	RESISTOR 499K +-1% .125W TF TC=0+-100	24546	0698-3215
A1R19	0757-0283		RESISTOR 2K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
A1R20-R21	0757-0393		RESISTOR 47.5 +-1% .125W TF TC=0+-100	24546	0757-0393
A1R23-R24	0698-4126	2	RESISTOR 35.7 +-1% .125W TF TC=0+-100	24546	0698-4126
A1R25	0757-0442	7	RESISTOR 10K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
A1R26	0757-0449	3	RESISTOR 20K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2002-F
A1R27	0757-0442		RESISTOR 10K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
A1R28	0698-3279		RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A1R29	0698-3496	2	RESISTOR 3.57K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-357R-F
A1R30	0757-0427	6	RESISTOR 1.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1501-F
A1R300	0757-0283		RESISTOR 2K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
A1R301	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R302	0698-4442	2	RESISTOR 4.42K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4421-F
A1R303	0757-0427		RESISTOR 1.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1501-F
A1R304	0698-3228	5	RESISTOR 49.9K +-1% .125W TF TC=0+-100	24546	0698-3228
A1R400	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-357R-F
A1R401	0698-3496		RESISTOR 3.57K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
A1R402	0757-0442		RESISTOR 10K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R403	0757-0469		RESISTOR 150K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1503-F
A1R404	0757-0476	1	RESISTOR 301K +-1% .125W TF TC=0+-100	24546	0757-0476
A1R405	0698-4442		RESISTOR 4.42K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4421-F

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Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A1R406	0698-3148	2	RESISTOR 102K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1023-F
A1R407	0698-4516	1	RESISTOR 113K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1133-F
A1R408	0698-4484	1	RESISTOR 19.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1912-F
A1R409	0698-3158	1	RESISTOR 23.7K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2372-F
A1R410	0757-0288	2	RESISTOR 9.09K +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-9091-F
A1R411	0757-0463	1	RESISTOR 82.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-8252-F
A1R412	0698-3202	2	RESISTOR 1.74K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1741-F
A1R413	0757-0280	3	RESISTOR 1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1001-F
A1R414	0698-3148		RESISTOR 102K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1023-F
A1R415	0698-3150	1	RESISTOR 2.37K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2371-F
A1R416-R417	0698-4508	2	RESISTOR 78.7K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-7872-F
A1R418	0757-0470	1	RESISTOR 162K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1623-F
A1R419	0757-0427		RESISTOR 1.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1501-F
A1R420	0757-0446	1	RESISTOR 15K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1502-F
A1R421	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R422	0757-0427		RESISTOR 1.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1501-F
A1R423	0757-0452	2	RESISTOR 27.4K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2742-F
A1R424-R425	0757-0384	4	RESISTOR 20 +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-20R0-F
A1R426	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1501-F
A1R427	0757-0427		RESISTOR 1.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1272-F
A1R428	0698-3359	1	RESISTOR 12.7K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1741-F
A1R429	0698-3202		RESISTOR 1.74K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2493-F
A1R430	0757-0270	1	RESISTOR 249K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-866R-F
A1R431	0698-3495	1	RESISTOR 866 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A1R432-R433	0698-3279		RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	5033R-1/8-T0-2492-F
A1R434	0757-0291	2	RESISTOR 24.9 +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-2492-F
A1R500	0757-0410	1	RESISTOR 301 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-301R-F
A1R501	0757-0452		RESISTOR 27.4K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2742-F
A1R502	0757-0465	8	RESISTOR 100K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1003-F
A1R503-R504	0698-4421	2	RESISTOR 249 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-249R-F
A1R505-R506	0757-0402	2	RESISTOR 110 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-111-F
A1R507	0757-0393		RESISTOR 47.5 +-1% .125W TF TC=0+-100	28480	0757-0393
A1R508	0698-4423	1	RESISTOR 1.37K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1371-F
A1R509	0757-0291		RESISTOR 24.9 +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-2492-F
A1R510-R511	0683-0515	2	RESISTOR 5.1 +-5% .25W CF TC=0-400	01121	CB51G5
A1R512	0757-0346	1	RESISTOR 10 +-1% .125W TF TC=0+-100	28480	0757-0346
A1R516	0757-0465		RESISTOR 100K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1003-F
A1R519	0757-0380	3	RESISTOR 13 +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-13R0-F
A1R521-R522	0757-0465		RESISTOR 100K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1003-F
A1R525	0757-0427		RESISTOR 1.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-4991-F
A1R526	0698-3279		RESISTOR 4.99K +-1% .125W TF TC=0+-100	24546	5033R-1/8-T0-9091-F
A1R527	0757-0288		RESISTOR 9.09K +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-1003-F
A1R531	0757-0465		RESISTOR 100K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1003-F
A1R533	0757-0465		RESISTOR 100K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1003-F
A1R534-R535	0698-6286	2	RESISTOR 100M +-10% .25W CC	28480	0698-6286
A1R600	0757-0420	1	RESISTOR 750 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-751-F
A1R601	0699-0173	1	RESISTOR 866 +-1% .3W MF TC=0+-1.5	28480	0699-0173
A1R602	0698-7479	1	RESISTOR 10K +-0.1% .225W MF TC=0+-1.5	28480	0698-7479
A1R603	0699-2392	1	RESISTOR 100K +-0.5% .6W MF TC=0+-1.5	28480	0699-2392
A1R604	0699-0073	1	RESISTOR 10M +-1% .125W TF TC=0+-100	28480	0699-0073
A1R605-R606	0757-0380		RESISTOR 13 +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-13R0-F
A1R607	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R608	0699-0064	1	RESISTOR 50 +-0.1% .5W TF TC=0+-25	28480	0699-0064
A1R609	0699-2391	1	RESISTOR 12.4 +-1% .6W MF TC=0+-5	28480	0699-2391
A1R620	0757-0442		RESISTOR 10K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
A1R621	0757-0472	1	RESISTOR 200K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2003-F
A1R622	0757-0469		RESISTOR 150K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1503-F
A1R623-R624	0698-3228		RESISTOR 49.9K +-1% .125W TF TC=0+-100	28480	0698-3228
A1R625-R627	0757-0442		RESISTOR 10K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
A1R628-R629	0757-0465		RESISTOR 100K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1003-F
A1R630-R631	0698-3228		RESISTOR 49.9K +-1% .125W TF TC=0+-100	28480	0698-3228
A1R900-R901	0757-0415		RESISTOR 475 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-475R-F
A1R902	0699-1075	1	RESISTOR .1 +-3% 3W MFS TC=0+-70	01686	L0-3-0.1-3-RP
A1R903-R904	0757-0449		RESISTOR 20K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2002-F

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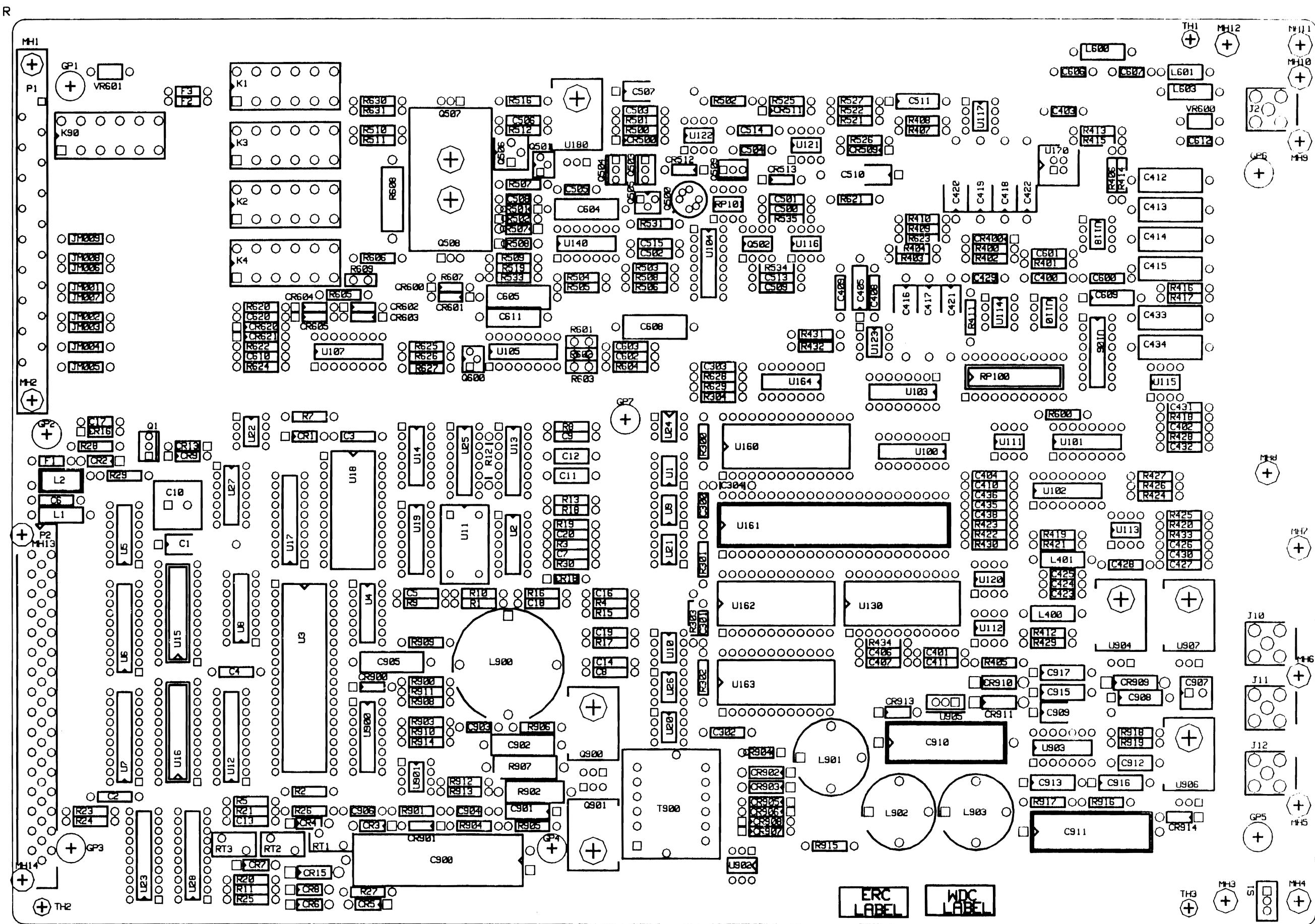
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A1R905-R906	0757-0384		RESISTOR 20 +-1% .125W TF TC=0+-100	19701	5033R-1/8-T0-20R0-F
A1R907	0698-3631	1	RESISTOR 330 +-5% 2W MO TC=0+-200	28480	0698-3631
A1R908	0757-0273	2	RESISTOR 3.01K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-3011-F
A1R909	0757-0393		RESISTOR 47.5 +-1% .125W TF TC=0+-100	28480	0757-0393
A1R910	0757-0280		RESISTOR 1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1001-F
A1R911	0757-0273		RESISTOR 3.01K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-3011-F
A1R912	0757-0438	1	RESISTOR 5.11K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-5111-F
A1R913	0757-0409	1	RESISTOR 274 +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-274R-F
A1R914	0757-0280		RESISTOR 1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1001-F
A1R915	0757-0424		RESISTOR 1.1K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1101-F
A1R916-R917	0757-0283		RESISTOR 2K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
A1R918	0698-3268	1	RESISTOR 11.5K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1152-F
A1R919	0698-4471	1	RESISTOR 7.15K +-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-7151-F
A1RP100	1810-1163	1	NETWORK-RESISTOR 6 db STEP ATTENUATOR	73138	1693-15-0
A1RP101	1810-1164	1	NETWORK-RESISTOR R-ARRAY, 4 X 1K; TOL.	73138	1694-16-0
A1RT1-RT3	0837-0223	3	THERMISTOR DISC 10-OHM	75263	RL400811040PT2
A1SCW180	0515-0886	8	SCREW-MACHINE M3 X 0.5 6MM-LG PAN-HD	28480	0515-0886
A1SCW507A	0515-0886		SCREW-MACHINE M3 X 0.5 6MM-LG PAN-HD	28480	0515-0886
A1SCW507B	0515-0886		SCREW-MACHINE M3 X 0.5 6MM-LG PAN-HD	28480	0515-0886
A1SCW900-SCW901	0515-0886		SCREW-MACHINE M3 X 0.5 6MM-LG PAN-HD	28480	0515-0886
A1SCW904	0515-0886		SCREW-MACHINE M3 X 0.5 6MM-LG PAN-HD	28480	0515-0886
A1SCW906-SCW907	0515-0886		SCREW-MACHINE M3 X 0.5 6MM-LG PAN-HD	28480	0515-0886
A1T900	9100-4694	1	TRANSFORMER-SWITCHING; PRI IND: 1 MH	91637	IPE-1629-16
A1U1	1990-0732	1	OPTO-ISOLATOR LED-PDIO/XSTR IF=20MA-MAX	28480	HCPL-2731
A1U2	1820-3007	1	IC GATE CMOS/74HC EXCL-OR QUAD 2-INP	04713	MC74HC86N
A1U3	1820-3671	1	IC GATE-ARRAY CMOS	28480	1820-3671
A1U4	1820-2924	1	IC GATE CMOS/74HC NOR QUAD 2-INP	04713	MC74HC02N
A1U5	1820-1568	1	IC DRIVER TTL/LS BUS QUAD	01295	SN74LS125AN
A1U6-U7	1820-3665	2	IC TRANSCEIVER CMOS/HCT BUS OCTL	27014	MM74HCT245N
A1U8	1820-3796	1	IC DCDR CMOS/74HCT 2-TO-4-LINE DUAL	27014	MM74HCT139N
A1U9-U10	1990-0996	4	OPTO-ISOLATOR LED-IC GATE IF=10MA-MAX	28480	HCPL-2200
A1U11	1813-0580	1	OSCILLATOR-CRYSTALVCXO; FREQUENCY	28480	1813-0580
A1U12	1820-3975	1	IC DRIVER CMOS/74HC LINE OCTL	01295	SN74HC541N
A1U13	1820-4590	1	IC MV CMOS/74HC MONOSTBL RETRIG DUAL	27014	MM74HC423AN
A1U14	1820-3629	1	IC INVERTER CMOS/HCT HEX	27014	MM74HCT04N
A1U15-U16	1820-3165	2	IC INTERFACE DRIVER CMOS PERIPHERAL	28480	1820-3165
A1U17	1820-3399	2	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG COM	04713	MC74HC273N
A1U18	1818-4583	1	IC NMOS 16384 (16K) EEPROM 250-NS 3-S	28480	1818-4583
A1U19	1820-5571	1	IC CNTR CMOS/74HC BIN SYNCHRO DUAL 4-BIT	18324	74HC4520N
A1U20-U21	1990-0996		OPTO-ISOLATOR LED-IC GATE IF=10MA-MAX	28480	HCPL-2200
A1U22	1820-0535	1	IC-INTERFACE DRIVER MISC/UNKNOWN AND DUAL	01295	SN75451BP
A1U23	34521-88801	1	IC-PROGRAMMED (1820-4879) PAL16L8-2CN	28480	34521-88801
	1820-4879	1	IC PROGRAMMABLE-LGC TTL/S PAL UNPROGRAMMED	27014	PAL16L8A2NC UNPRGMED
A1U24	1990-0488	2	OPTO-ISOLATOR LED-PXSTR IF=80MA-MAX	04713	4N25
A1U25	1820-2228	1	IC LATCH CMOS NAND R-S QUAD	04713	MC14044BCP
A1U26	1990-1015	1	OPTO-ISOLATOR LED-IC GATE IF=10MA-MAX	28480	HCPL-2400
A1U27	1820-1200	1	IC INVERTER TTL/LS HEX	01295	SN74LS05N
A1U28	1820-3399		IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG COM	04713	MC74HC273N
A1U100	1826-1346	1	ANALOG SWITCH 4 SPST 16-DIP-P	24355	ADG201HSKN
A1U101	1826-1205	1	ANALOG SWITCH 2 SPDT 16-DIP-P	34371	H13-0390-5
A1U102-U104	1826-0850	3	IC ANALOG SWITCH PIN	17856	DG211CJ
A1U105	1826-0610	1	ANALOG MULTIPLEXER 4 CHNL 16-CERDIP	06665	MUX-24FQ
A1U106-U107	1826-1021	2	ANALOG MULTIPLEXER CHNL 16-DIP-P	17856	DG508ACJ
A1U110-U111	1826-0635	2	IC OP AMP LOW-OFS 8-DIP	06665	OP-07CP
A1U112-U113	1826-1771	2	IC OP AMP HIGH-SPEED 8-DIP-P PKG	27014	LM6364N
A1U114	1826-1767	1	IC OP AMP LOW-NOISE 8-DIP-P PKG	28480	1826-1767
A1U115	1826-1328	1	IC OP AMP LOW-NOISE DUAL 8-PIN DIP-P	01295	NE5532P
A1U116	1826-1382	1	IC OP AMP PRCN 8-DIP-P PKG	28480	1826-1382
IU117-U118	1826-0521	2	IC OP AMP LOW-BIAS-H-IMPD DUAL 8-PIN	01295	TL072CP

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Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
A1U120	1826-1122	1	IC COMPARATOR GENERAL PURPOSE 8-DIP-P PKG	06665	CMP-01CP
A1U121-U122	1826-0412	3	IC COMPARATOR PRECISION DUAL 8-DIP-P PKG	27014	LM393N
A1U123	1826-0346	1	IC OP AMP GENERAL PURPOSE DUAL 8-PIN DIP-P	27014	LM358N
A1U130	1826-1770	1	IC D/A 12-BIT 24-CERDIP BIPOLAR	27014	DAC1266LCJ
A1U140	1858-0032	1	TRANSISTOR ARRAY 14-PIN PLASTIC DIP	27014	LM3146
A1U160	1820-5648	1	IC ASIC GATE-ARRAY CMOS PLASTIC DIP	28480	1820-5648
A1U161	1820-5647	1	IC ASIC GATE-ARRAY CMOS PLASTIC DIP	28480	1820-5647
A1U162-U163	1818-1611	2	IC CMOS 16384 (16K) STAT RAM 150-NS 3-S	34335	AM9128-15PC
A1U164	1820-2922	1	IC GATE CMOS/74HC NAND QUAD 2-INP	04713	MC74HC00N
A1U170	1826-1249	1	IC V RGLTR-V-REF-FXD 6.8/7.1V TO-46 PKG	28480	1826-1249
A1U180	1826-0393	1	IC V RGLTR-ADJ-POS 1.2/37V TO-220 PKG	27014	LM317T
A1U900	1826-0905	1	IC V RGLTR-SWG 5/5.2V 16-DIP-P PKG	34333	SG3525AJ
A1U901	1826-0412	1	IC COMPARATOR PRECISION DUAL 8-DIP-P PKG	27014	LM393N
A1U902	1990-0488	1	OPTO-ISOLATOR LED-PXSTR IF=80MA-MAX	04713	4N25
A1U903	1826-0409	1	IC V RGLTR-ADJ-POS 2/37V 14-DIP-C PKG	04713	MC1723L
A1U904-U905	1826-0551	2	IC V RGLTR-FXD-POS 4.9/5.1V TO-220 PKG	27014	LM340AT-5
A1U906	1826-0214	1	IC V RGLTR-FXD-NEG -14.4/-15.6V TO-220	04713	MC7915CT
A1U907	1826-0106	1	IC V RGLTR-FXD-POS 14.4/15.6V TO-220 PKG	04713	MC7815CT
A1VR600-VR601	0837-0196	2	VOLTAGE SUPPRESSOR VNOM=430V, 10A PEAK	34371	V430MT3A
A1W2	03245-61603	1	CABLE-PCB/F BNC 135MM LONG	28480	03245-61603
	1250-0050	1	NUT-RF CONNECTOR BNC SERIES; CLAMP NUT	24931	NS101-2
	1250-0051	1	CONTACT-RF CONNECTOR SER BNC; FEMALE	24931	C182-1
	1250-0252	1	BODY-RF CONNECTOR SERIES BNC; STRAIGHT	24931	28JS108-1
	1250-0980	1	SLEEVE-RF CONNECTOR SERIES BNC/TNC	24931	T101-13
	8120-1848	1	CABLE-COAX 800V WHITE	92194	2834
A1W10	03245-61601	2	CABLE-FEM BNC TO PC BOARD 260MM LONG	28480	03245-61601
	1250-0050	2	NUT-RF CONNECTOR BNC SERIES; CLAMP NUT	24931	NS101-2
	1250-0051	2	CONTACT-RF CONNECTOR SER BNC; FEMALE	24931	C182-1
	1250-0052	2	BODY-RF CONNECTOR BNC SERIES; FOR MALE	24931	28P117-1
	1250-0980	2	SLEEVE-RF CONNECTOR SERIES BNC/TNC	24931	T101-13
	8120-1280	2	CABLE-COAX 50-OHM 1.2KV 20PF/FT MAX	72983	421-077
A1W11	03245-61602	1	CABLE-MALE BNC TO PC BOARD 685MM LONG	28480	03245-61602
	8120-1280	2	CABLE-COAX 50-OHM 1.2KV 20PF/FT MAX	72983	421-077
A1W12	03245-61601		CABLE-FEM BNC TO PC BOARD 260MM LONG	28480	03245-61601

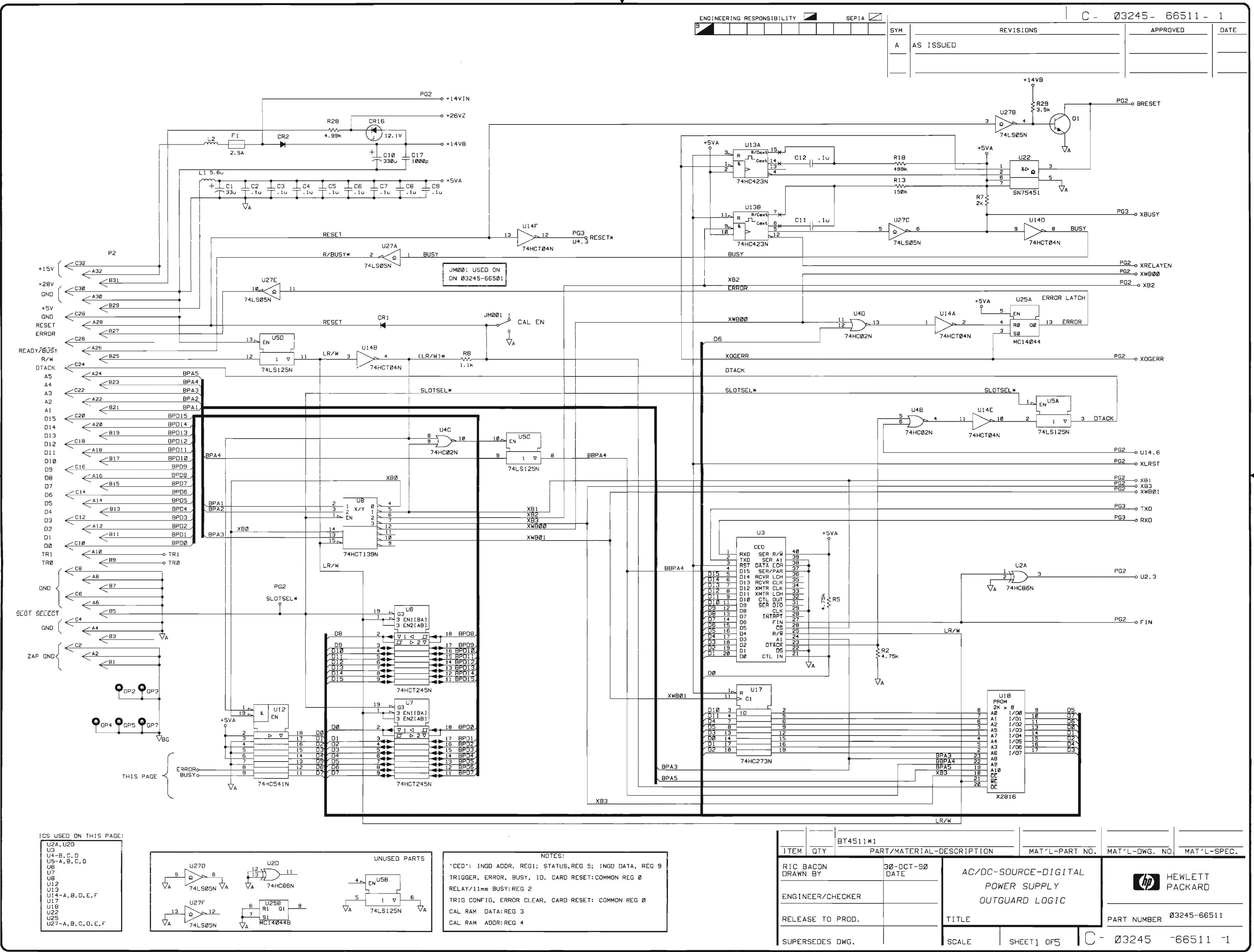
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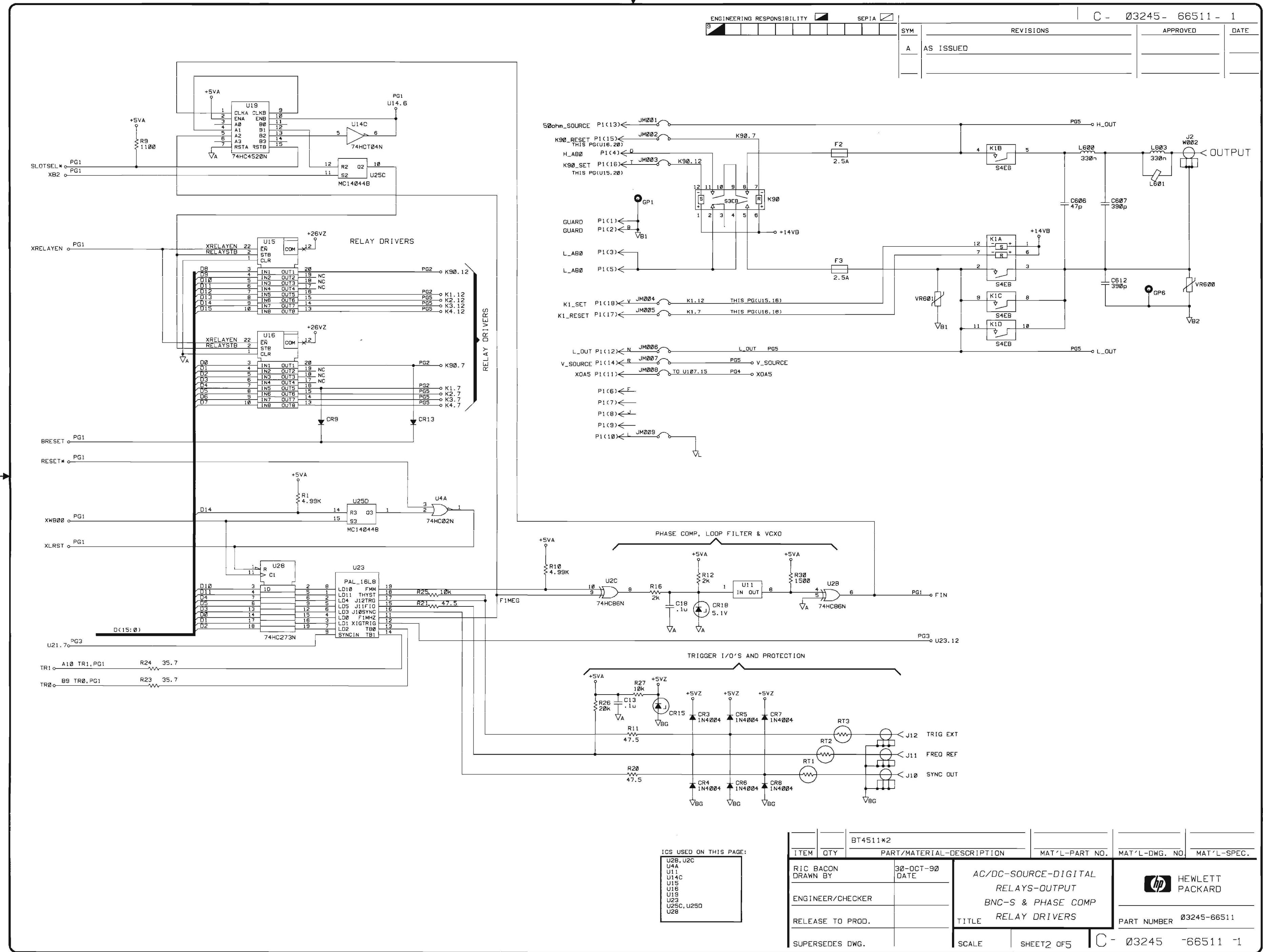
Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
00779	AMP INC	HARRISBURG	PA US 17111
01121	ALLEN-BRADLEY CO INC	EL PASO	TX US 79935
01295	TEXAS INSTRUMENTS INC	DALLAS	TX US 75265
01686	RCL ELECTRONICS INC	NORTHBROOK	IL US 60062
01961	PULSE ENGINEERING INC	SAN DIEGO	CA US 92111
04213	CADDELL-BURNS MFG CO INC	MINEOLA	NY US 11501
04222	AVX CORP	GREAT NECK	NY US 11021
04713	MOTOROLA INC	ROSELLE	IL US 60195
06665	PRECISION MONOLITHICS INC	SANTA CLARA	CA US 95054
13103	THERMALLOY INC	DALLAS	TX US 75234
17856	SILICONIX INC	SANTA CLARA	CA US 95054
18324	SIGNETICS CORP	SUNNYVALE	CA US 94086
18873	DUPONT E I DE NEMOURS & CO	WILMINGTON	DE US 19801
19701	NORTH AMERICAN PHILIPS CORP	NEW YORK	NY US 10017
24226	GOWANDA ELECTRONICS CORP	GOWANDA	NY US 14070
24355	ANALOG DEVICES INC	NORWOOD	MA US 02062
24546	CORNING GLASS WORKS	CORNING	NY US 14830
24931	SPECIALTY CONNECTOR CO	FRANKLIN	IN US 46131
26742	METHODE ELECTRONICS INC	CHICAGO	IL US 60656
27014	NATIONAL SEMICONDUCTOR CORP	SANTA CLARA	CA US 95052
28480	HEWLETT-PACKARD COMPANY - CORPORATE	PALO ALTO	CA US 94304
2M627	ROHM CORP	IRVINE	CA US 92713
34333	SILICON GENERAL INC	SAN JOSE	CA US 95134
34335	ADVANCED MICRO DEVICES INC	SUNNYVALE	CA US 94086
34371	HARRIS CORP	MELBOURNE	FL US 32901
3L585	RCA CORP	NEW YORK	NY US 10112
42838	NATIONAL RIVET & MFG CO	WAUPUN	WI US 53963
46384	PENN ENGINEERING & MFG CORP	DOYLESTOWN	PA US 18901
55285	BERQUIST CO	MINNEAPOLIS	MN US 55420
56289	SPRAGUE ELECTRIC CO	LEXINGTON	MA US 02173
71744	GENERAL INSTRUMENT CORP	CLIFTON	NJ US 07012
72983	ESSEX INTERNATIONAL INC	FORT WAYNE	IN US 46804
73138	BECKMAN INDUSTRIAL CORP	FULLERTON	CA US 92635
75263	KEYSTONE CARBON CO INC	ST. MARY	PA US 15857
75915	LITTELFUSE INC	DES PLAINES	IL US 60016
76854	OAK INDUSTRIES INC CO	WALTHAM	MA US 02154
84411	AMERICAN SHIZUKI CORP	CANOGA PARK	CA US 91304
85480	BRADY W H CO	MILWAUKEE	WI US 53209
91637	DALE ELECTRONICS INC	COLUMBUS	NE US 68601
92194	ALPHA WIRE CORP	ELIZABETH	NJ US 07207

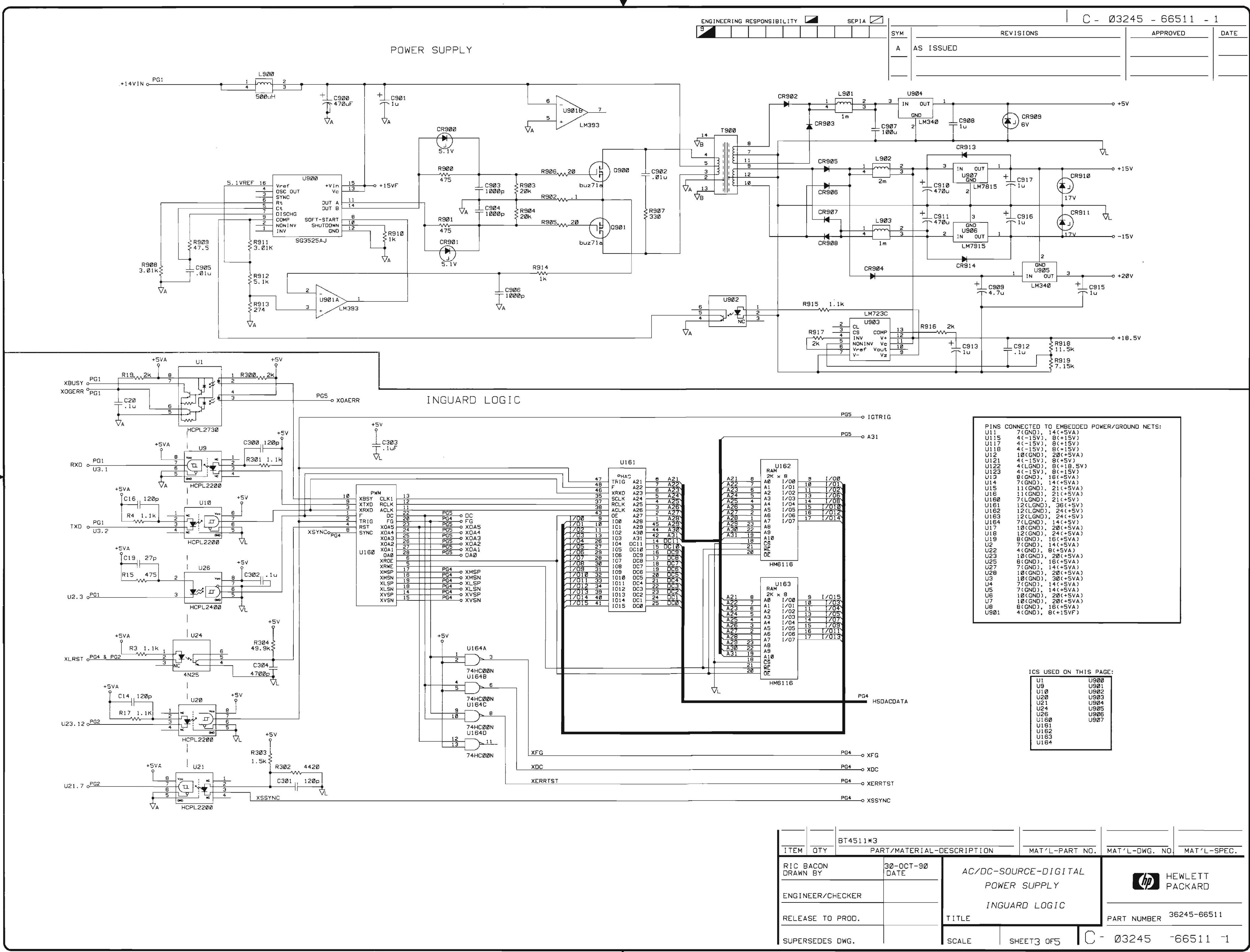


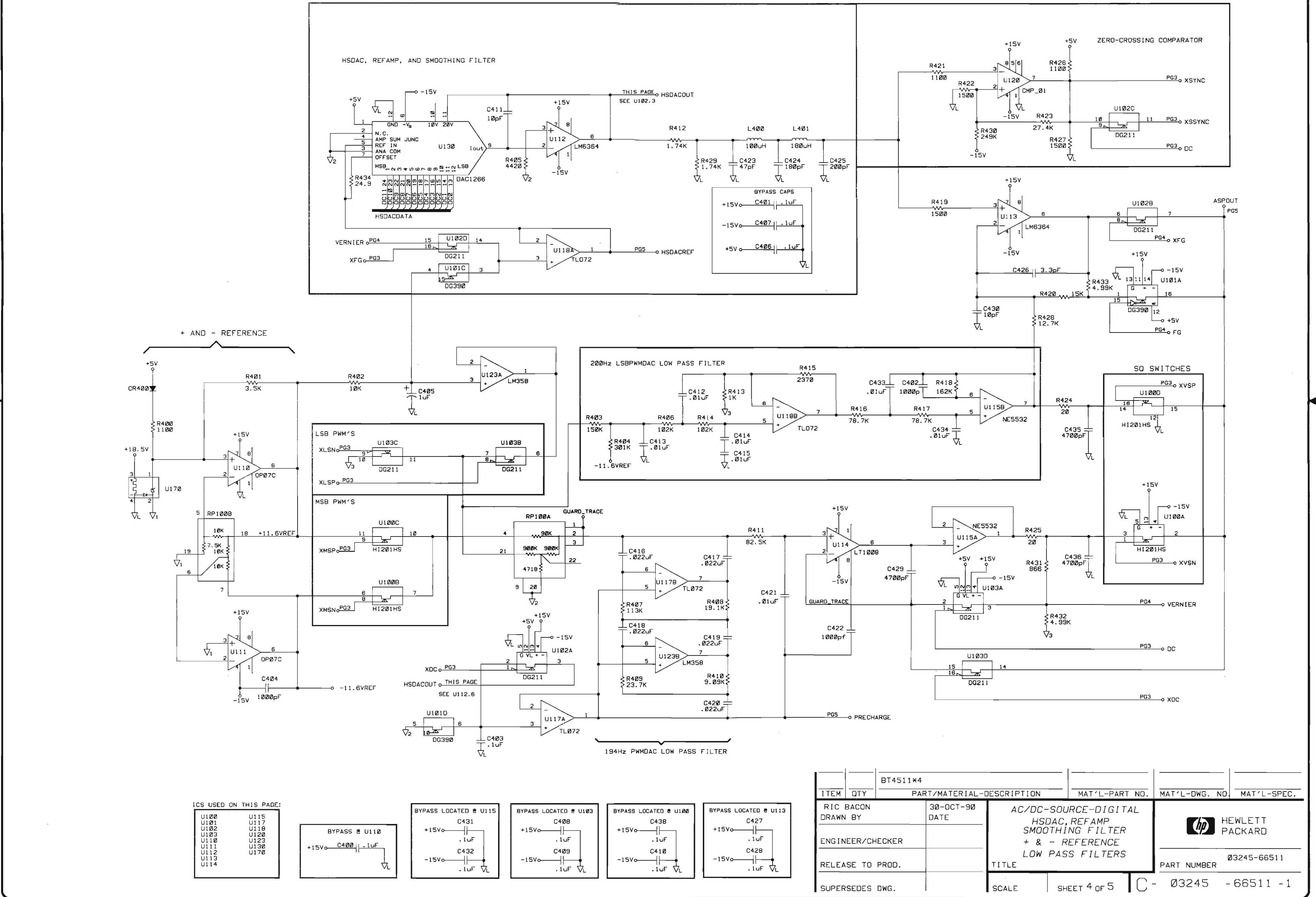
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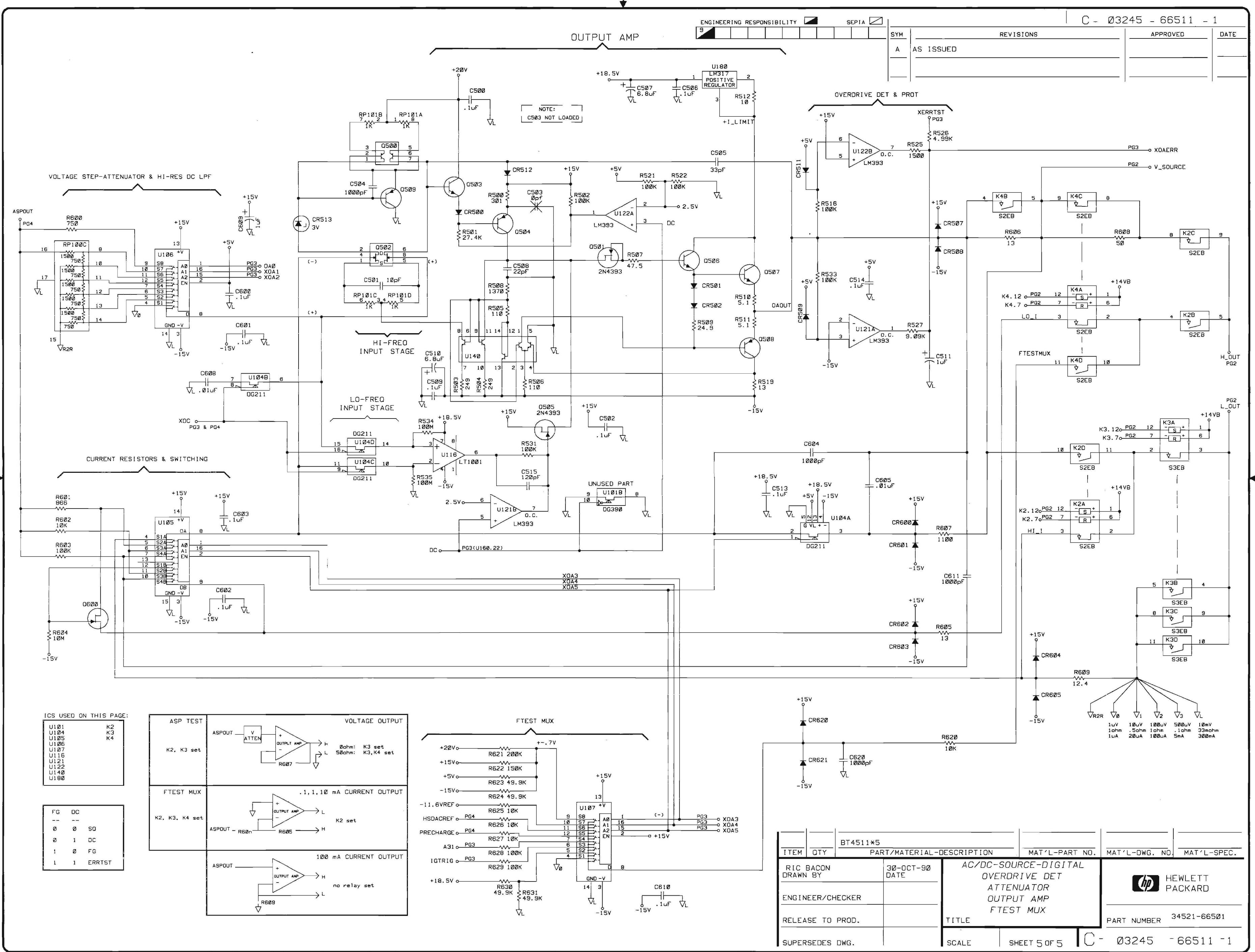
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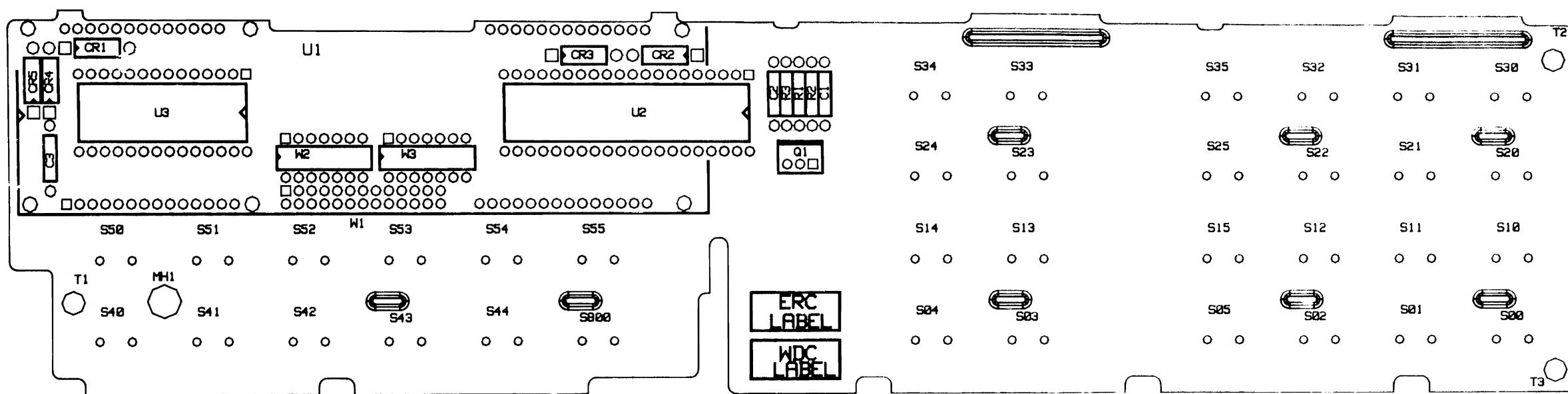
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REPLACEMENT PARTS

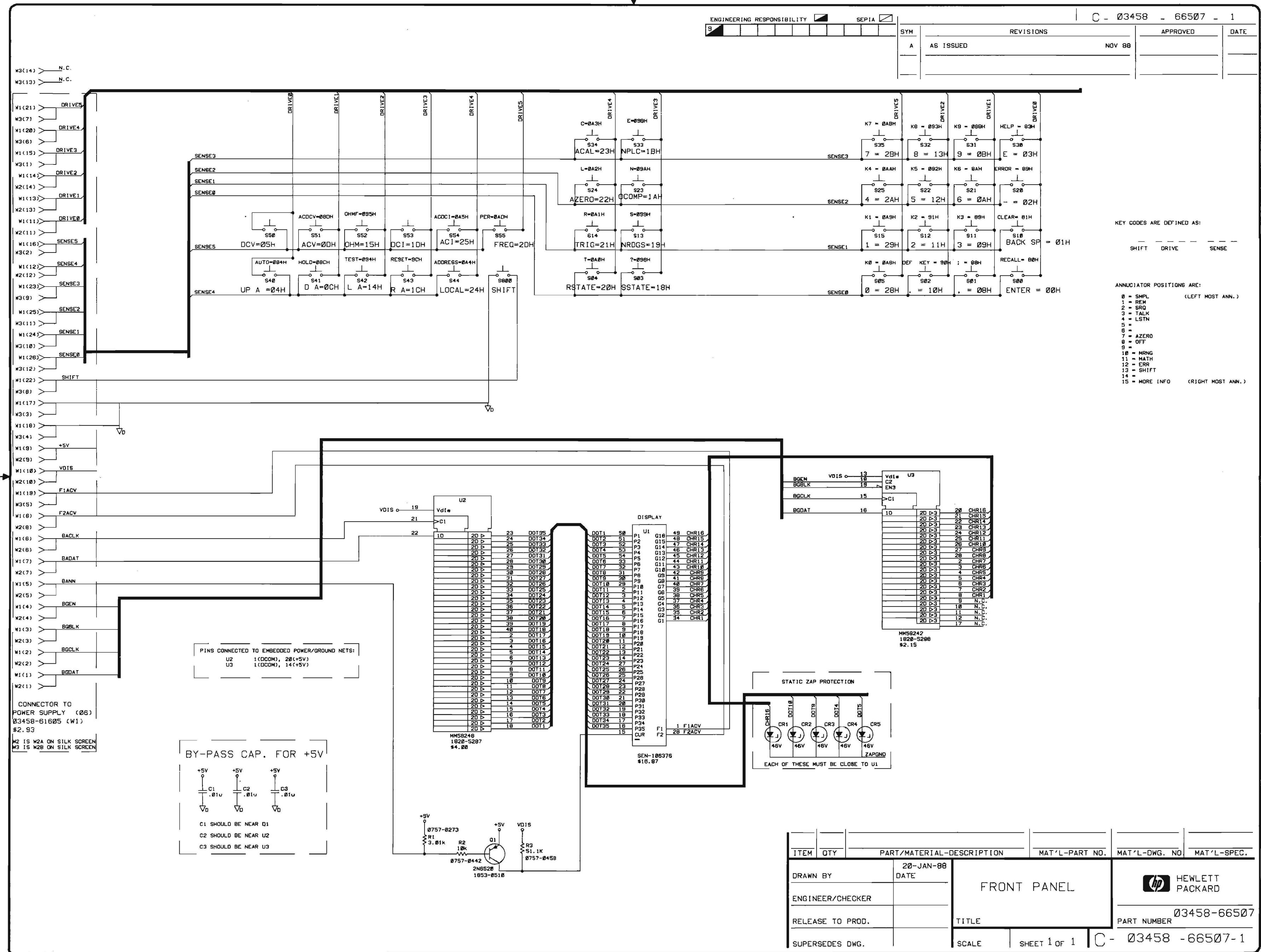
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A7 A7C1-C3	03458-66507 0160-4832	1 3	DISPLAY LOGIC BOARD CAPACITOR-FXD 0.01uF +/-10% 100 V CER X7R	28480 04222	03458-66507 SA101C103KAAH
A7CR1-CR5	1902-0657	5	DIODE-ZENER 43.2V 5% PD=1W TC=+-.08% IR=100	28480	1902-0657
A7LBL1 A7LBL2	7121-7148 9320-5333	1 1	LABEL-INFORMATION .25-IN-WD .9-IN-LG LBL-LNE-PTR; .625-IN-WD X .25-IN-LG	28480 28480	7121-7148 9320-5333
A7PCB7	03458-26507	1	PRINTED CIRCUIT BOARD - BLANK	28480	03458-26507
A7Q1	1853-0510	1	TRANSISTOR PD=625MW	28480	1853-0510
A7R1 A7R2 A7R3	0757-0273 0757-0442 0757-0458	1 1 1	RESISTOR 3.01K +/-1% .125W TF TC=0+-100 RESISTOR 10K +/-1% .125W TF TC=0+-100 RESISTOR 51.1K +/-1% .125W TF TC=0+-100	24546 24546 24546	CT4-1/8-T0-3011-F CT4-1/8-T0-1002-F CT4-1/8-T0-5112-F
A7SHD1-SHD2	03458-00604	2	SHIELD-ESD	28480	03458-00604
A7U1 A7U2 A7U3	2090-0217 1820-5287 1820-5286	1 1 1	DISPLAY-VFD MONITOR IC-INTERFACE DRIVER CMOS DISPLAY IC-INTERFACE DRIVER CMOS DISPLAY	28480 27014 27014	2090-0217 MM58248N MM58242N
A7W1	03458-61606	1	CABLE ASSEMBLY 26P	28480	03458-61606

Code List of Manufacturers - 03458-66507

Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
04222	AVX CORP	GREAT NECK NY US	11021
24546	CORNING GLASS WORKS	CORNING NY US	14830
27014	NATIONAL SEMICONDUCTOR CORP	SANTA CLARA CA US	95052
28480	HEWLETT PACKARD COMPANY - CORPORATE	PALO ALTO CA US	94304

C-03458-66507-2





HP 3245A OPTION 002 - HIGH VOLTAGE AMP REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
PNL1 MP1 MP2 * A7 SCW1	03245-80002	1	HIGH VOLTAGE KIT	28480	03245-80002
	03245-60202	1	FRONT PANEL	28480	03245-60202
	03245-40202	1	PANEL F/W LABEL OPT2	28480	03245-40202
	03245-81901	1	SW-PADS,RUBBER	28480	03245-81901
	03245-69301	1	WINDOW-DISPLAY SS	28480	03245-69301
	03458-66507	1	DISPLAY LOGIC PRINTED CIRCUIT BOARD	28480	03458-66507
	0624-0881	1	SCREW-TPG 4-20 .25-IN-LG PAN-HD-TORX	28480	0624-0881
	03245-84304	1	LABEL-RR PANEL, OPT2	28480	03245-84304
	0515-0372	5	SCREW-MACH ASSEMBLY M3 X 0.5 8MM-LG PAN-HD	28480	0515-0372
	2190-0099	1	WASHER-LK 7/16 IN .472-IN-ID .607-IN-OD	54294	16-886
	2950-0035	1	NUT-HEX-DBL-CHAM 15/32-32-THD	28480	2950-0035
C101-C102 C103 C104 C105-C106 C107 C108 C110 C111 C113 C201 C202 C203 C204 C205-C207 C212 C213-C214	03245-66503	1	PRINTED CIRCUIT ASSY HIGH VOLTAGE AMP	28480	03245-66503
	0361-0321	2	RIVET-SEMITUB OVH .123DIA .469LG	42838	TC1-15-ST
	0361-1294	2	RIVET-SEMITUB OVH .099DIA .328LG	28480	0361-1294
	1400-0249	1	CABLE TIE .062-.625-DIA .091-WD NYLON	59730	TY-23M-8
	0180-3810	4	CAPACITOR-FXD 68uF +-20% 50 V AL-ELCTLT	28480	0180-3810
	0160-4832	1	CAPACITOR-FXD 0.01uF +-10% 100 V CER X7R	04222	SA101C103KAHH
	0160-4822	1	CAPACITOR-FXD 1000pF +-5% 100 V CER COG	04222	SA201A102JAHH
	0180-3810	1	CAPACITOR-FXD 68uF +-20% 50 V AL-ELCTLT	28480	0180-3810
	0180-4130	4	CAPACITOR-FXD 2.2uF +-10% 20 V TA	56289	173D225X9020V
	0180-4007	2	CAPACITOR-FXD 4.7uF +-20% 200 V AL-ELCTLT	28480	0180-4007
	0160-0168	2	CAPACITOR-FXD 0.1uF +-10% 200 V POLYE-FL	28480	0160-0168
	0180-4007	1	CAPACITOR-FXD 4.7uF +-20% 200 V AL-ELCTLT	28480	0180-4007
	0160-0168	1	CAPACITOR-FXD 0.1uF +-10% 200 V POLYE-FL	28480	0160-0168
	0160-4791	1	CAPACITOR-FXD 10pF +-5% 100 V CER COG	04222	SA102A100JAHH
	0160-4805	1	CAPACITOR-FXD 47pF +-5% 100 V CER COG	04222	SA102A470JAHH
	0160-4786	1	CAPACITOR-FXD 27pF +-5% 100 V CER COG	04222	SA102A270JAHH
	0180-3552	1	CAPACITOR-FXD 4.7uF +-10% 20 V TA	56289	173D475X9020V
	0180-4130	1	CAPACITOR-FXD 2.2uF +-10% 20 V TA	56289	173D225X9020V
	0160-4793	1	CAPACITOR-FXD 6.8pF +-7.35% 100 V CER COG	04222	SA102A6R8DAAH
	0160-4801	2	CAPACITOR-FXD 100pF +-5% 100 V CER COG	04222	SA102A101JAHH
CR101-CR108 CR109-CR110 CR111 CR201 CR202-CR203 CR204 CR205-CR206 CR207-CR210 CR211-CR213 CR214 CR215 CR216 CR217	1901-1065	10	DIODE-POWER RECTIFIER 1N4936 400V 1A 200NS	30043	1N4936
	1901-1307	2	DIODE VOLTAGE SUPPRESSOR (AXIAL PLASTIC)	04713	1.5KE160A
	1990-1022	1	LED-LAMP LUM-INT=4MCD 25MA-MAX BVR=5V RED LENS	28480	HLMP-5030
	1902-0556	2	DIODE-ZENER 20V 5% PD=1W IR=5UA	28480	1902-0556
	1901-0050	6	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
	1902-0556	1	DIODE-ZENER 20V 5% PD=1W IR=5UA	28480	1902-0556
	1901-1065	1	DIODE-POWER RECTIFIER 1N4936 400V 1A 200NS	30043	1N4936
	0837-0196	4	VOLTAGE SUPPRESSOR VNOM=430V, 10A PEAK	34371	V430MT3A
	1901-0050	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
	1902-0959	2	DIODE-ZENER 11V 5% PD=.4W TC=+.076% IR=5UA	28480	1902-0959
	1901-0047	1	DIODE-SWITCHING 20V 75MA 10NS DO-35	28480	1901-0047
	1902-0959	1	DIODE-ZENER 11V 5% PD=.4W TC=+.076% IR=5UA	28480	1902-0959
	1901-0050	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
	2110-0698	1	FUSE-SUBMINIATURE 2.5A 125V NTD AX	75915	R25102.5T1
	2110-0757	1	FUSE-SUBMINIATURE .063A 125V AX UL CSA	75915	251-062
	2110-0679	3	FUSE-SUBMINIATURE 1.5A 125V NTD AX UL	75915	R25101.5T1
	0515-0458	4	SCREW-MACH ASSEMBLY M3.5 X 0.6 8MM-LG PAN-HD	28480	0515-0458
HS101 HS202	1205-0799	1	HEAT SINK SGL TO-220-CS	30161	552022B
	1205-0798	1	HEAT SINK SGL TO-3-CS	30161	506115B00700
HWD1-HWD2 HWD202-HWD202A	0590-1237	2	THREADED INSERT-NUT M3.5 X 0.6 1.5-MM-LG	46384	KF2-M3.5
	0515-0458	1	SCREW-MACH ASSEMBLY M3.5 X 0.6 8MM-LG PAN-HD	28480	0515-0458
J201	1251-4682	1	CONNECTOR-POST TYPE .100-PIN-SPCG 3-CONTACT	26742	1102-1-103-02
JM201-JM204	8159-0005	4	RESISTOR 0 MFS	55210	L-2007-1

* IN-DEPTH COMPONENT LOCATOR IN SECTION UNDER INDIVIDUAL HP PART NUMBER.

HP 3245A OPTION 002 - HIGH VOLTAGE AMP REPLACEMENT PARTS

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
K201	0490-1566	1	RELAY 4A 12VDC-COIL 4A 250VAC	28480	0490-1566
K202	0490-1526	1	RELAY-REED	28480	0490-1526
K203-K204	0490-1649	2	RELAY 2B 12VDC-COIL 3A 250VDC	28480	0490-1649
L101	9100-3334	2	INDUCTOR 25UH +/-10% .3D-INX.505LG-IN	99848	ES-2638
L201	9100-3334	2	INDUCTOR 25UH +/-10% .3D-INX.505LG-IN	99848	ES-2638
MT1	03245-61601 1250-0050 1250-0051 1250-0052 1250-0060 8120-1280	1 1 1 1 1 1	CABLE-FEM BNC TO PC BOARD 260MM LONG NUT-RF CONNECTOR BNC SERIES; CLAMP NUT CONTACT-RF CONNECTOR SER BNC; FEMALE BODY-RF CONNECTOR BNC SERIES; FOR MALE SLEEVE-RF CONNECTOR SERIES BNC/TNC CABLE-COAX 50-OHM 1.2KV 20PF/FT MAX	28480 24931 24931 24931 24931 72983	03245-61601 NS101-2 C182-1 28P117-1 T101-13 421-077
P1	5180-6699	1	CONNECTOR-2X9M> NOKEY	28480	5180-6699
P2	1252-1591	1	CONNECTOR-POST TYPE 5.08-PIN-SPCG 48-CONTACT	00779	534893-5
P201	1258-0141	1	JUMPER-REMovable FOR .025 IN SQ PINS	18873	65474-004
PCB1	03245-26503	1	PRINTED CIRCUIT BOARD - BLANK	28480	03245-26503
Q101-Q103	1855-0548	3	TRANSISTOR MOSFET N-CHAN E-MODE TO-220	04713	BUZ71A
Q201	1853-0700	1	TRANSISTOR PNP SI TO-92 PD=625MW	27014	6292/T62547A
R101	0757-0406	1	RESISTOR 182 +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-182R-F
R102	0757-0283	3	RESISTOR 2K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
R103	0757-0277	1	RESISTOR 49.9 +/-1% .125W TF TC=0+-100	28480	0757-0277
R104	0757-0280	3	RESISTOR 1K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1001-F
R105	0757-0273	2	RESISTOR 3.01K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-3011-F
R106	0757-0438	3	RESISTOR 5.11K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-5111-F
R107	0698-4446	1	RESISTOR 267 +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-267R-F
R108-R109	0757-0400	3	RESISTOR 90.9 +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1001-F
R110	0757-0280	1	RESISTOR 1K +/-1% .125W TF TC=0+-100	01686	LO-3-0.1-3-RP
R111	0699-1075	1	RESISTOR .1 +/-3% 3W MFS TC=0+-70	24546	CT4-1/8-T0-3321-F
R112	0757-0433	3	RESISTOR 3.32K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
R201-R202	0757-0442	4	RESISTOR 10K +/-1% .125W TF TC=0+-100	24546	0698-3457
R203-R204	0698-3457	4	RESISTOR 316K +/-1% .125W TF TC=0+-100	28480	5033R-1/8-T0-6191-F
R205	0757-0290	2	RESISTOR 6.19K +/-1% .125W TF TC=0+-100	19701	CT4-1/8-T0-1001-F
R206	0757-0280	1	RESISTOR 1K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-151-F
R207	0757-0284	1	RESISTOR 150 +/-1% .125W TF TC=0+-100	24546	0699-3208
R208	0699-3208	1	RESISTOR 4.443K +/-0.1% .3W MF TC=0+-2.5	28480	0698-4351
R209	0698-4351	1	RESISTOR 10.5 +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2492-F
R210	0698-4486	1	RESISTOR 24.9K +/-1% .125W TF TC=0+-100	32997	3386X-Y46-103
R211	2100-3274	1	RESISTOR-TRIMMER 10K 10% TFK SIDE-ADJ 1-TRN	24546	0699-1125
R212-R215	0699-1125	4	RESISTOR 40K +/-1% .6W TC=0+-1.3	28480	0698-4355
R216	0698-4355	1	RESISTOR 12.4 +/-1% .125W TF TC=0+-100	28480	0698-3431
R217	0698-3431	1	RESISTOR 23.7 +/-1% .125W TF TC=0+-100	28480	0757-0393
R218	0757-0393	1	RESISTOR 47.5 +/-1% .125W TF TC=0+-100	28480	CT4-1/8-T0-90R9-F
R219	0757-0400	1	RESISTOR 90.9 +/-1% .125W TF TC=0+-100	24546	0757-0346
R220	0757-0346	1	RESISTOR 10 +/-1% .125W TF TC=0+-100	28480	0757-0123
R221	0757-0123	1	RESISTOR 34.8K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
R222	0757-0442	1	RESISTOR 10K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-3321-F
R223-R224	0757-0433	1	RESISTOR 3.32K +/-1% .125W TF TC=0+-100	28480	0698-3457
R225-R226	0698-3457	1	RESISTOR 316K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-5111-F
R227	0757-0438	1	RESISTOR 5.11K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
R228	0757-0283	1	RESISTOR 2K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-1002-F
R229	0757-0442	1	RESISTOR 10K +/-1% .125W TF TC=0+-100	24546	5033R-1/8-T0-6191-F
R230	0757-0290	1	RESISTOR 6.19K +/-1% .125W TF TC=0+-100	19701	0757-0389
R231	0757-0389	1	RESISTOR 33.2 +/-1% .125W TF TC=0+-100	28480	CT4-1/8-T0-3011-F
R232	0757-0273	1	RESISTOR 3.01K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-5111-F
R233	0757-0438	1	RESISTOR 5.11K +/-1% .125W TF TC=0+-100	24546	CT4-1/8-T0-2001-F
R234	0757-0283	1	RESISTOR 2K +/-1% .125W TF TC=0+-100	24546	
T101	9100-4929	1	TRANSFORMER-ISOLATION INPUT V	28480	9100-4929

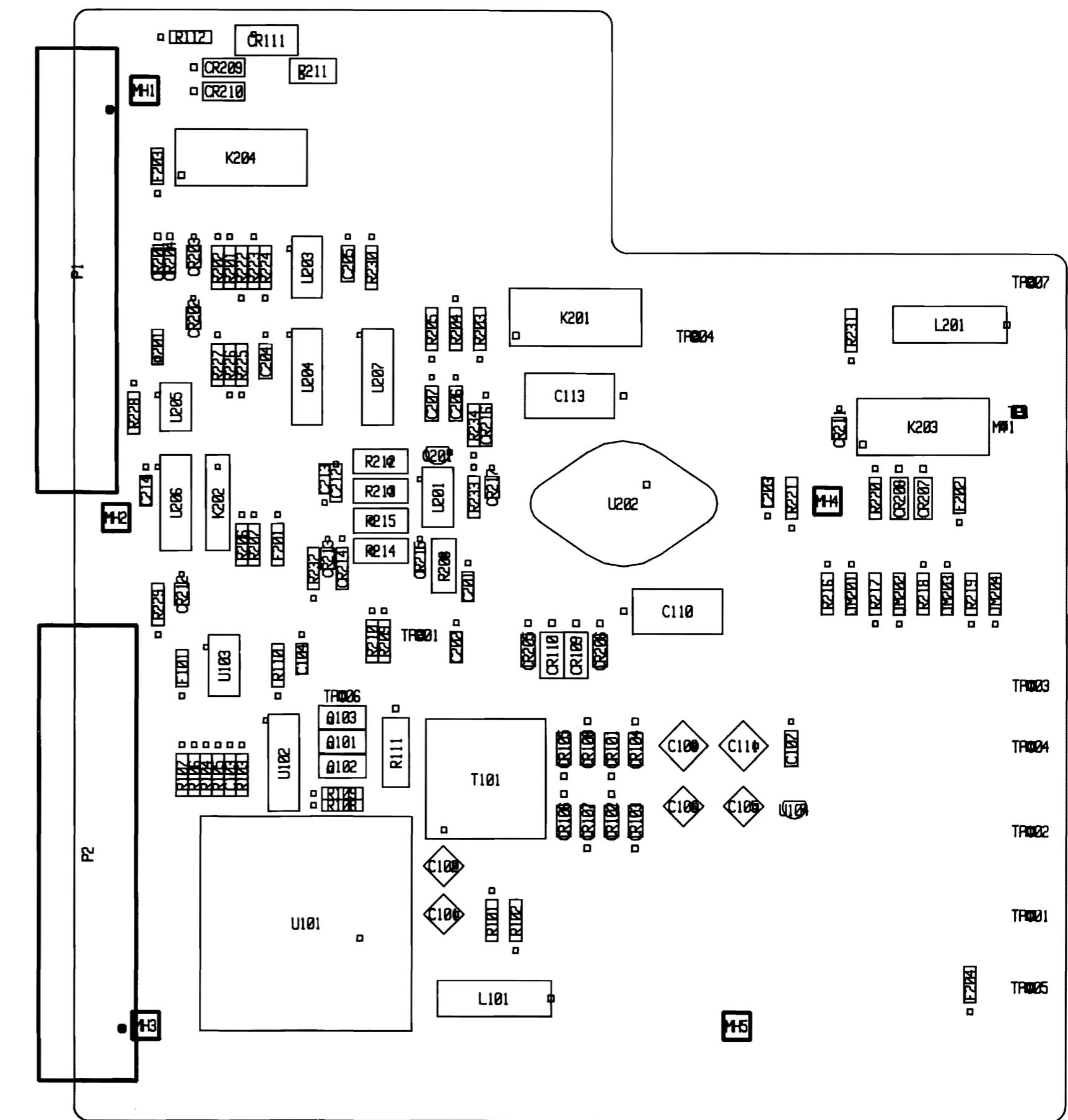
**HP 3245A OPTION 002 - HIGH VOLTAGE AMP
REPLACEMENT PARTS**

Reference Designation	HP Part Number	Qty	Part Description	Mfr. Code	Mfr. Part Number
TP101-TP106	1251-0600	9	CONNECTOR-SGL CONTACT PIN 1.14-MM-BSC-SZ SQ	27264	16-06-0034
TP201	1251-0600		CONNECTOR-SGL CONTACT PIN 1.14-MM-BSC-SZ SQ	27264	16-06-0034
TP204	1251-0600		CONNECTOR-SGL CONTACT PIN 1.14-MM-BSC-SZ SQ	27264	16-06-0034
TP207	1251-0600		CONNECTOR-SGL CONTACT PIN 1.14-MM-BSC-SZ SQ	27264	16-06-0034
U101	1826-2134	1	IC VOLTAGE RGLTR-ADJ-POS 15/30V 3-TO-220 PKG	28480	1826-2134
U102	1826-0905	1	IC VOLTAGE RGLTR-SWG 5/5.2V 16-DIP-P PKG	34333	SG3525AJ
U103	1826-0412	1	IC COMPARATOR PRECISION DUAL 8-DIP-P PKG	27014	LM393N
U104	1826-1646	1	IC VOLTAGE RGLTR-FXD-POS 4.975/5.025V TO-92	27014	LP2950ACZ
U201	1826-2378	1	IC OP AMP HIGH SPEED SINGLE 8 PIN TO-99	28480	1826-2378
U202	1826-2377	1	IC INSTRMNTN AMPLIFIER PWR SINGLE 8 PIN TO-3	28480	1826-2377
U203	1826-1533	1	IC OP AMP HIGH-SLEW-RATE DUAL 8 PIN DIP-PKG	04713	MC34072P
U204	1826-1370	1	IC COMPARATOR QUAD 16-DIP-P PKG	27014	LP365N
U205	1990-1074	1	OPTO-ISOLATOR LED-PXSTR IF=60MA-MAX	04713	4N35
U206A	1820-2922	1	IC GATE CMOS/74HC NAND QUAD 2-INP	04713	MC74HC00N
U207A	1858-0047	1	TRANSISTOR ARRAY 16-PIN PLASTIC DIP	28480	1858-0047

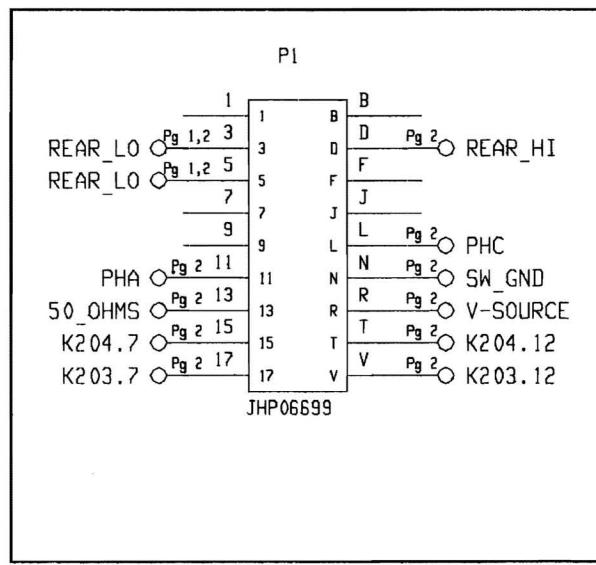
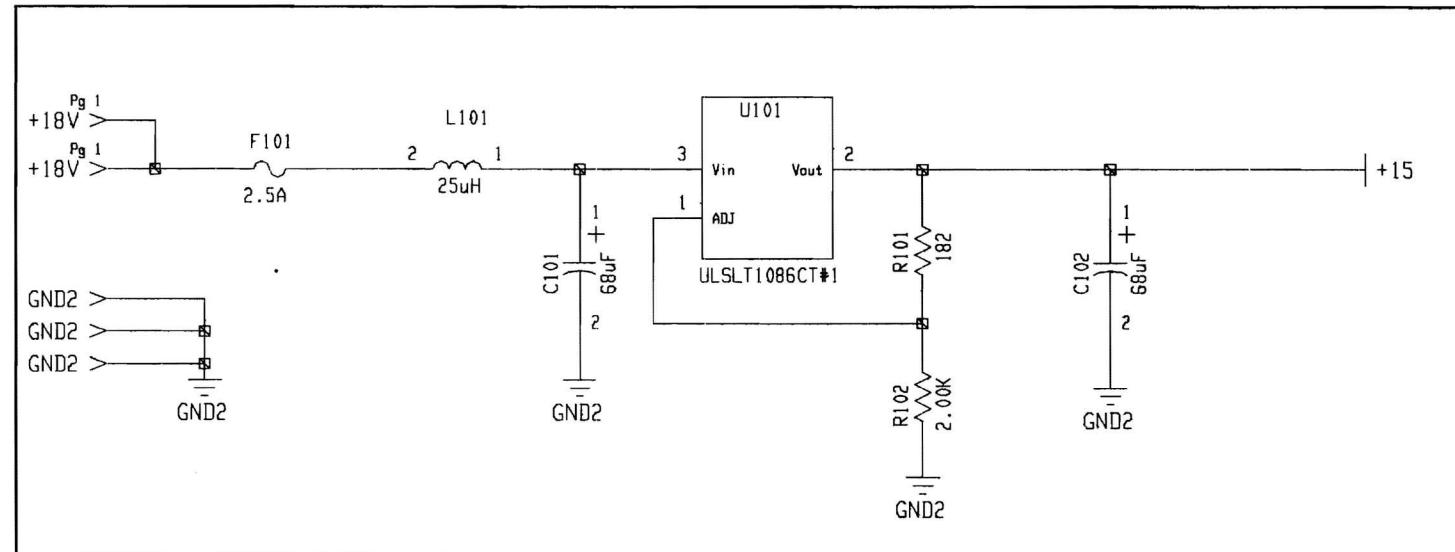
Code List of Manufacturers - HP 3245A OPTION 002

Mfr. Code	Manufacturer's Name	Manufacturer's Address	Zip Code
00779	AMP INC	HARRISBURG	PA US 17111
01686	RCL ELECTRONICS INC	NORTHBROOK	IL US 60062
04222	AVX CORP	GREAT NECK	NY US 11021
04713	MOTOROLA INC	ROSELLE	IL US 60195
18873	DUPONT E I DE NEMOURS & CO	WILMINGTON	DE US 19801
19701	NORTH AMERICAN PHILIPS CORP	NEW YORK	NY US 10017
24546	CORNING GLASS WORKS	CORNING	NY US 14830
24931	SPECIALTY CONNECTOR CO	FRANKLIN	IN US 46131
26742	METHODE ELECTRONICS INC	CHICAGO	IL US 60656
27014	NATIONAL SEMICONDUCTOR CORP	SANTA CLARA	CA US 95052
27264	MOLEX INC	LISLE	IL US 60532
28480	HEWLETT-PACKARD COMPANY - CORPORATE	PALO ALTO	CA US 94304
30043	SOLID STATE DEVICES INC	LA MIRADA	CA US 90638
30161	AAVID ENGINEERING INC	LACONIA	NH US 03247
32997	BOURNS NETWORKS INC	RIVERSIDE	CA US 92507
34333	SILICON GENERAL INC	SAN JOSE	CA US 95134
34371	HARRIS CORP	MELBOURNE	FL US 32901
42838	NATIONAL RIVET & MFG CO	WAUPUN	WI US 53963
46384	PENN ENGINEERING & MFG CORP	DOYLESTOWN	PA US 18901
54294	SHALLCROSS INC	NORTHBROOK	IL US 60062
55210	GETTIG ENGINEERING & MFG CO INC	SPRING MILLS	PA US 16875
56289	SPRAGUE ELECTRIC CO	LEXINGTON	MA US 02173
59730	THOMAS & BETTS CORP	RARITAN	NJ US 08869
72983	ESSEX INTERNATIONAL INC	FORT WAYNE	IN US 46804
75915	LITTELFUSE INC	DES PLAINES	IL US 60016
99848	WILCO CORP	INDIANAPOLIS	IN US 46222

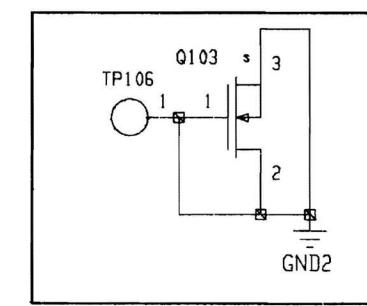
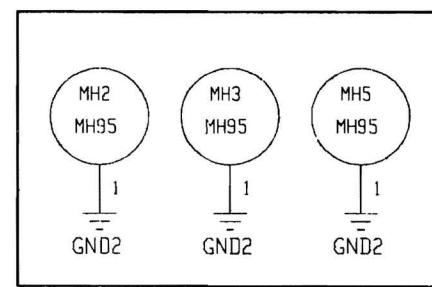
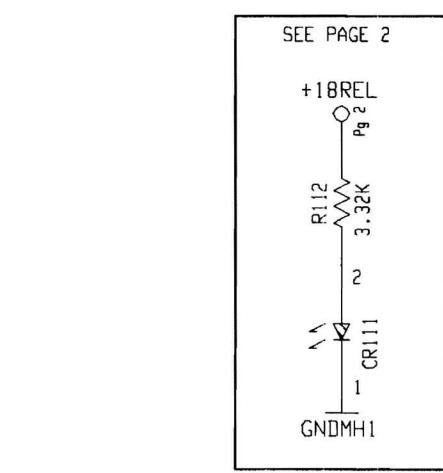
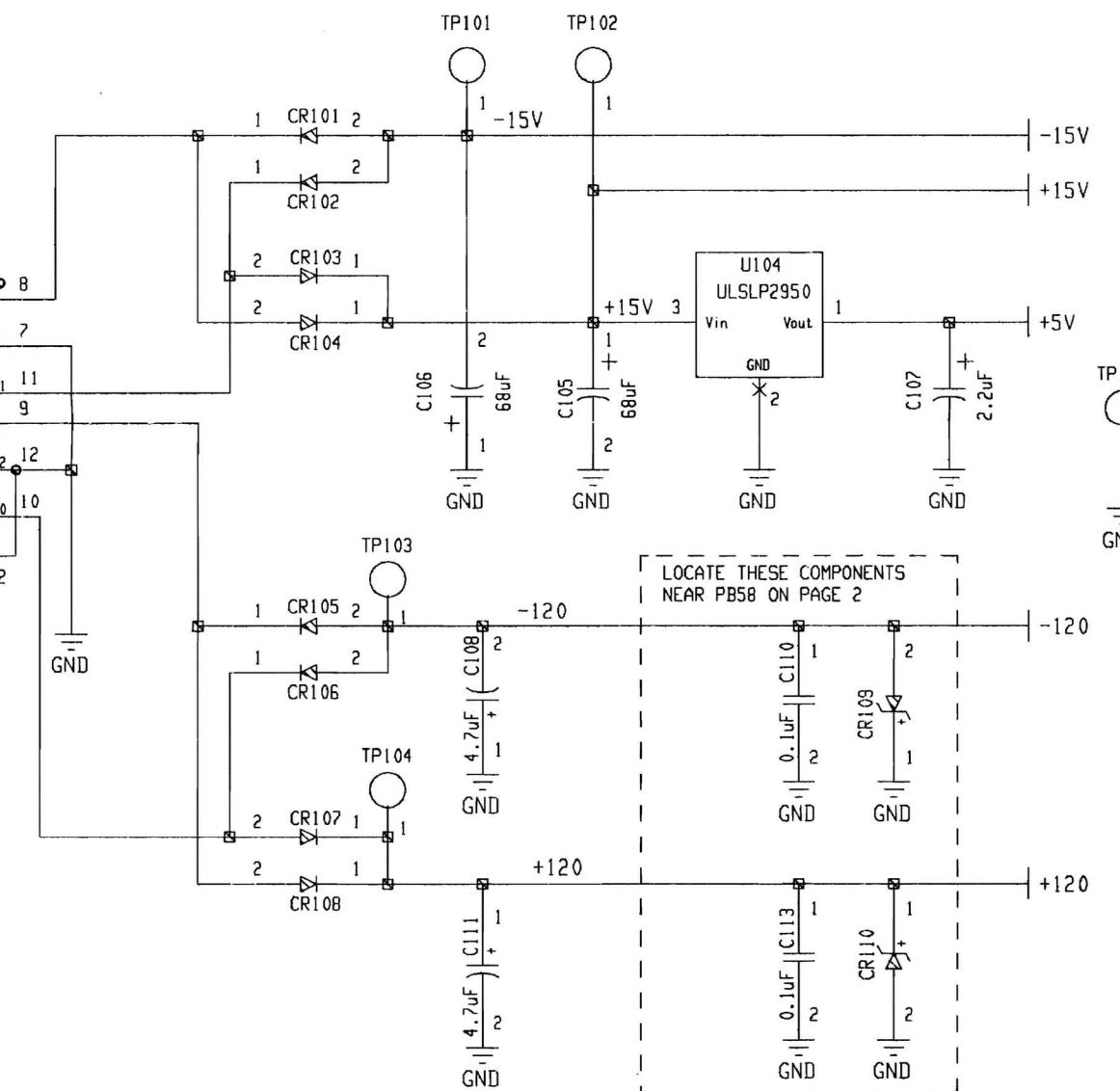
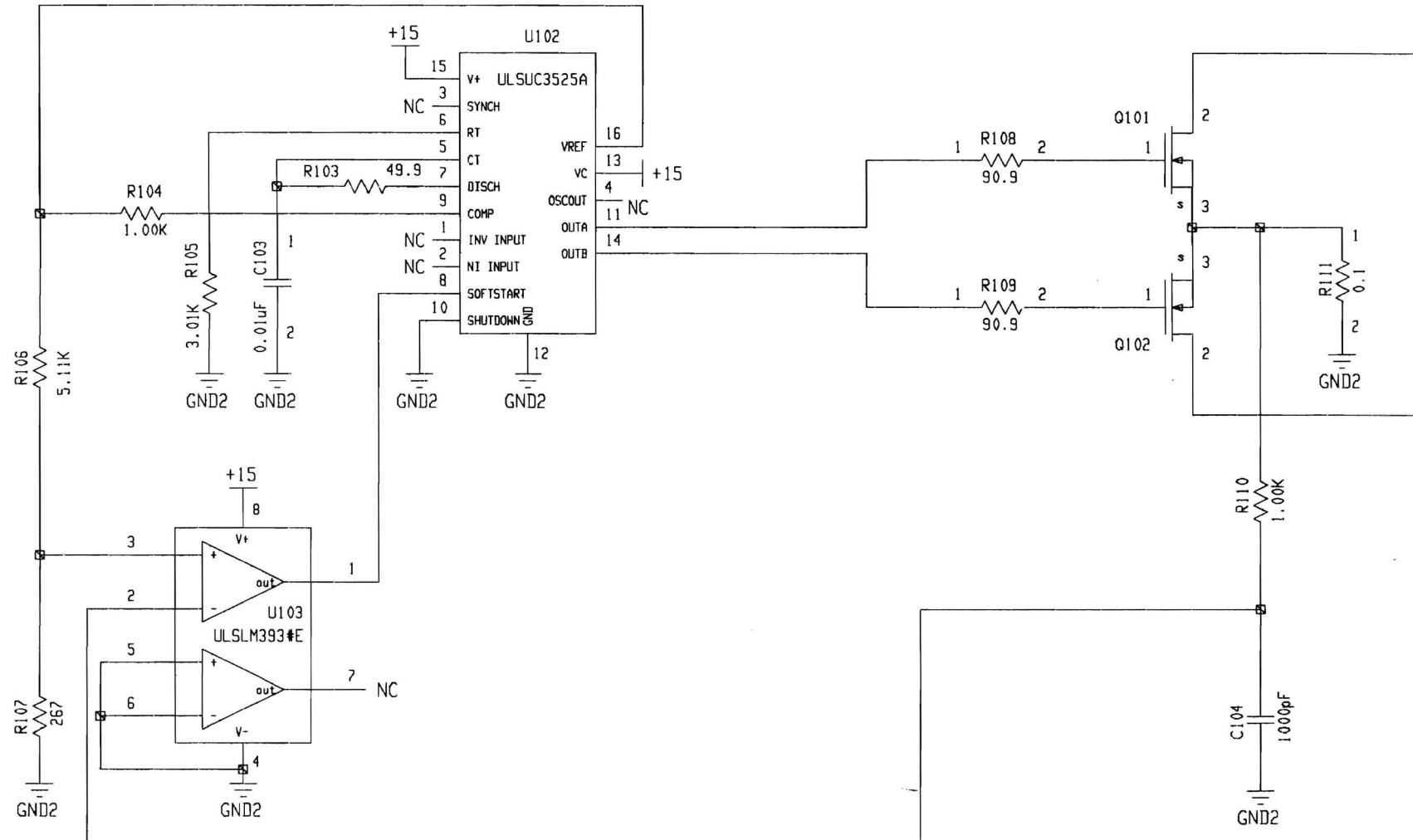
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9								
SYM	REVISIONS					APPROVED	DATE	
A	AS ISSUED							



A2	B1	C2
A4	B3	C4
A6	B5	C6
A8	B7	C8
A10	B9	C10
A12	B11	C10
A14	B13	C12
A16	B15	C14
A18	B17	C16
A20	B19	C18
A22	B21	C20
A24	B23	C22
A26	B25	C24
A28	B27	C26
A30	B29	C28 GND2
A30	B31	C30 GND2
A32		C32 +18V



ITEM	QTY	PART/MATERIAL DESCRIPTION	MAT'L PART NO.	MAT'L DWG NO.	MAT'L SPEC.
DRAWN BY	13-MAR-91	HI VOLTAGE AMP	c14	 HEWLETT PACKARD	
ENGINEER/CHECKER	DATE	POWER SUPPLIES AND BYPASS CAPS			
RELEASE TO PROD.		TITLE		PART NUMBER	03245-66503
SUPERSEDES DWG.		SCALE	SHEET ¹ OF 2	C	- 03245 - 66503 - 1

