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REVISIONS

REV	DATE	DESCRIPTION	DFTSMN	ENGR	ECN
1	12-8-95	PROTOTYPE RELEASE	MH	JW	----
2	3-26-96	SEE SHEET 2.	MH	JW	----
A	8-15-96	SEE SHEET 2; ENGINEERING RELEASE.	MH	JW	----
B	9-27-96	SEE SHEET 2.	MH	JW	9716
C	11-3-96	SEE SHEET 2.	MH	JW	9719
D	1-21-97	CHGD VALUE C21.	KT	JW	9760
E	3-31-97	C21 WAS 8100uF; ALSO SEE SHEET 2.	MH	JW	9760A
F	7-18-97	SHT. 2, R108 WAS 267 OHM.	MSE	JW	9833
G	9-17-97	SHT. 2, ADDED C6.	KT	JW	9856
H	3-5-98	SEE SHEET 2.	MH	JW	9944
J	3-31-98	SEE SHEET 2	MSE	JW	9960
K	11-13-98	ON -001; ADDED C98,C99,D43-D45,F3,F4,Q26-Q28,R152-R154; CHANGED C21,F1,F2,MOV1. ALSO SEE SHEET 2.	MH	JW	10030
L	2-2-99	ON -001; ADDED J9,J10,R80 & R125; MOVED C99; CHGD F1,F2,R6 & R154; DEL F3 & F4; SEE SHEET 2.	KT	JW	10087
M	4-29-99	ON -001; CHGD R37,R38,R137 & R138 TO MATCH BOM.	KT	JW	10135
N	7-6-99	REPLACED D43 WITH R140.	KT	JW	10161
R	3-23-00	R6 WAS 21K & R7 WAS 8.25K	KT	JW	10275
S	9-13-00	CHGD D13,D14,R7 & R9; ALSO SEE SHEET 2.	MH	JW	10354
U	6-21-01	DEL D18,R125,J10,P10; CHGD R16,R14,R13; ADD R128	KT	JW	10465
V	4-14-03	CHGD C11 TO .0027uF, R7 TO 7.15K & R9 TO 3.32K	KT	JW	10958
Y	12-30-03	DEL C99,J9,P9,Q28,R80,R153 & R154; SEE SHEET 2 ALSO	KT	JW	11088
AA	3-8-04	ADDED D50-D53	KT	JW	11102
AC	9-21-04	ADDED C48,R80	KT	JW	11323

NOTES:

- ALL RESISTORS IN OHMS, 1/4W, 1%, UNLESS OTHERWISE SPECIFIED.
- LAST COMPONENT USED: C101,D53,E12,F2,J8,L5, MOV3,P8,Q27,R156,RT1,T1,TP14,U25.
- COMPONENTS NOT USED: C51,C53-C55,C84,C97,C99,D20,D33,D35,D36, D18,D38,D43,E3,E4,L3,R125,R131-R133,R136,R139,R145,R153, R154,TP13,U18,U20.
- * - INDICATES WIRES/COMPONENTS NOT USED ON AM-1A OR AM-500A.
- SEE ASSEMBLY: AC917-0315-001 (POWER SUPPLY BD)
AC917-0315-002 (CAPACITOR BD)
AC917-0315-003 (CAPACITOR BD - AM-500A)
AC917-0315-004 (CAPACITOR BD NO. 2)

TOLERANCE (DECIMAL) U.O.S.
.xx ± .030 .xxx ± .005
.xx ± .015 ANGLES ± 1°

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OWN. BY 12-8-95 MATERIAL M. HAYDEN
CHKD 917-0315-001
917-0315-002/003
917-0315-004/005

FINISH SEE DWG. ASS'Y-0000 NEXT ASSY.

PROJ. ENGR. FIG.

SCALE NONE

TITLE SCHEMATIC POWER SUPPLY
TYPE SIZE DWS. NO. 917-0315-001
S B 917-0315-002 thru 005
MODEL AM-500A/2.5A/1A REV AC

TELEX 250142 CABLE BROADCAST FRX 217/224-9607

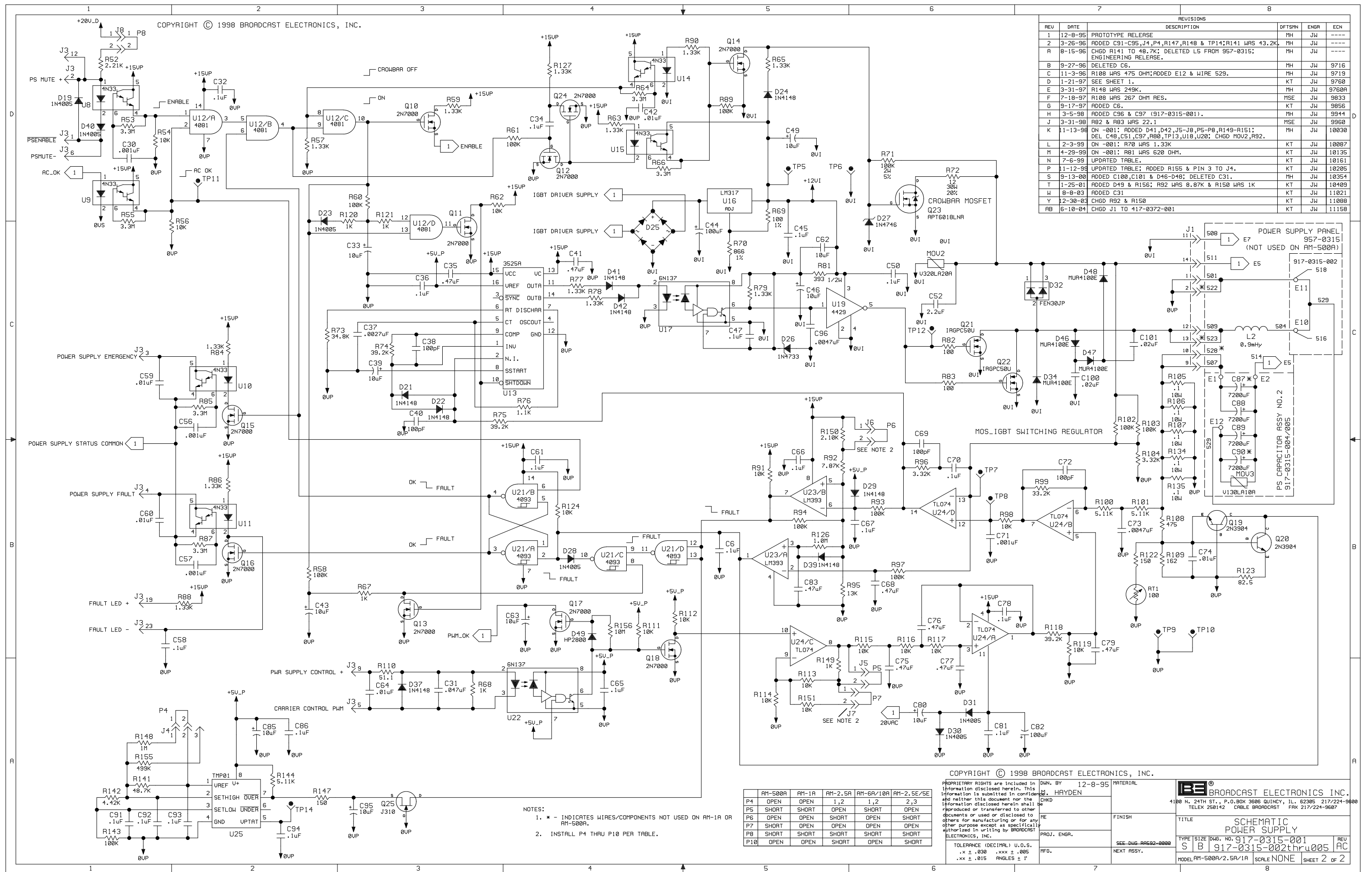
SHEET 1 OF 2

REV	DATE	REVISONS	DFTSM	ENGR	ECN
		DESCRIPTION			
1	12-8-95	PROTOTYPE RELEASE	MH	JW	----
2	3-26-96	SEE SHEET 2.	MH	JW	----
A	8-15-96	SEE SHEET 2; ENGINEERING RELEASE.	MH	JW	----
B	9-27-96	SEE SHEET 2.	MH	JW	9716
C	11-3-96	SEE SHEET 2.	MH	JW	9719
D	1-21-97	CHGD VALUE C21.	KT	JW	9760
E	3-31-97	C21 WAS 8100uF; ALSO SEE SHEET 2.	MH	JW	9760A
F	7-18-97	SHT. 2, R108 WAS 267 OHM.	MSE	JW	9833
G	9-17-97	SHT. 2, ADDED C6.	KT	JW	9856
H	3-5-98	SEE SHEET 2.	MH	JW	9944
J	3-31-98	SEE SHEET 2	MSE	JW	9960
K	1-13-98	Q1 - 001; ADDED C98, C99, D43-D45, F3, F4, Q26-Q28, R152-R154; CHANGED C11, F1, F2, MOV1. ALSO SEE SHEET 2.	MH	JW	10030
L	2-2-99	Q1 - 001; ADDED J9, J10, R80 & R125; MOVED C99; CHGD F1, F2, R6 & R154; DEL F3 & F4; SEE SHEET 2.	KT	JW	10087
M	4-29-99	Q1 - 001; CHGD R37, R38, R137 & R138 TO MATCH BOM.	KT	JW	10135
N	7-6-99	REPLACED D43 WITH R140.	KT	JW	10161
R	3-23-00	R6 WAS 21K & R7 WAS 8.25K	KT	JW	10275
S	9-13-00	CHGD D13, D14, R7 & R9; ALSO SEE SHEET 2.	MH	JW	10354
U	6-21-01	DEL D18, R125, J10, P10; CHGD R16, R14, R13; ADD R128	KT	JW	10465
V	4-14-03	CHGD C11 TO .0027uF, R7 TO 7.15K & R9 TO 3.32K	KT	JW	10958
Y	12-30-03	DEL C99, J9, P9, Q28, R80, R153 & R154; SEE SHEET 2 ALSO	KT	JW	11088
AC	3-8-04	ADDED D50-D53	KT	JW	
AA	9-21-04	ADDED C48, R80	KT	JW	11323

NOTES:

1. ALL RESISTORS IN OHMS, 1/4W, 1%,
UNLESS OTHERWISE SPECIFIED.
2. LAST COMPONENT USED: C101,D53,E12,F8,J8,L5,
MOV3,P8,Q27,R156,RT1,T1,TP14,U25.
3. COMPONENTS NOT USED: C51,C53,C55,C84,C97,C99,D20,D33,D35,D36,
D18,D38,D43,E3,E4,L3,R125,R131-R133,R136,R139,R145,R153,
R154,TP13,U18,U20.
4. * - INDICATES WIRES/COMPONENTS NOT USED ON AM-1A OR
AM-500A.
5. SEE ASSEMBLY: AC917-0315-001 (POWER SUPPLY BD)
AC917-0315-002 (CAPACITOR BD)
AC917-0315-003 (CAPACITOR BD - AM-500A)
AC917-0315-004 (CAPACITOR BD NO. 2)

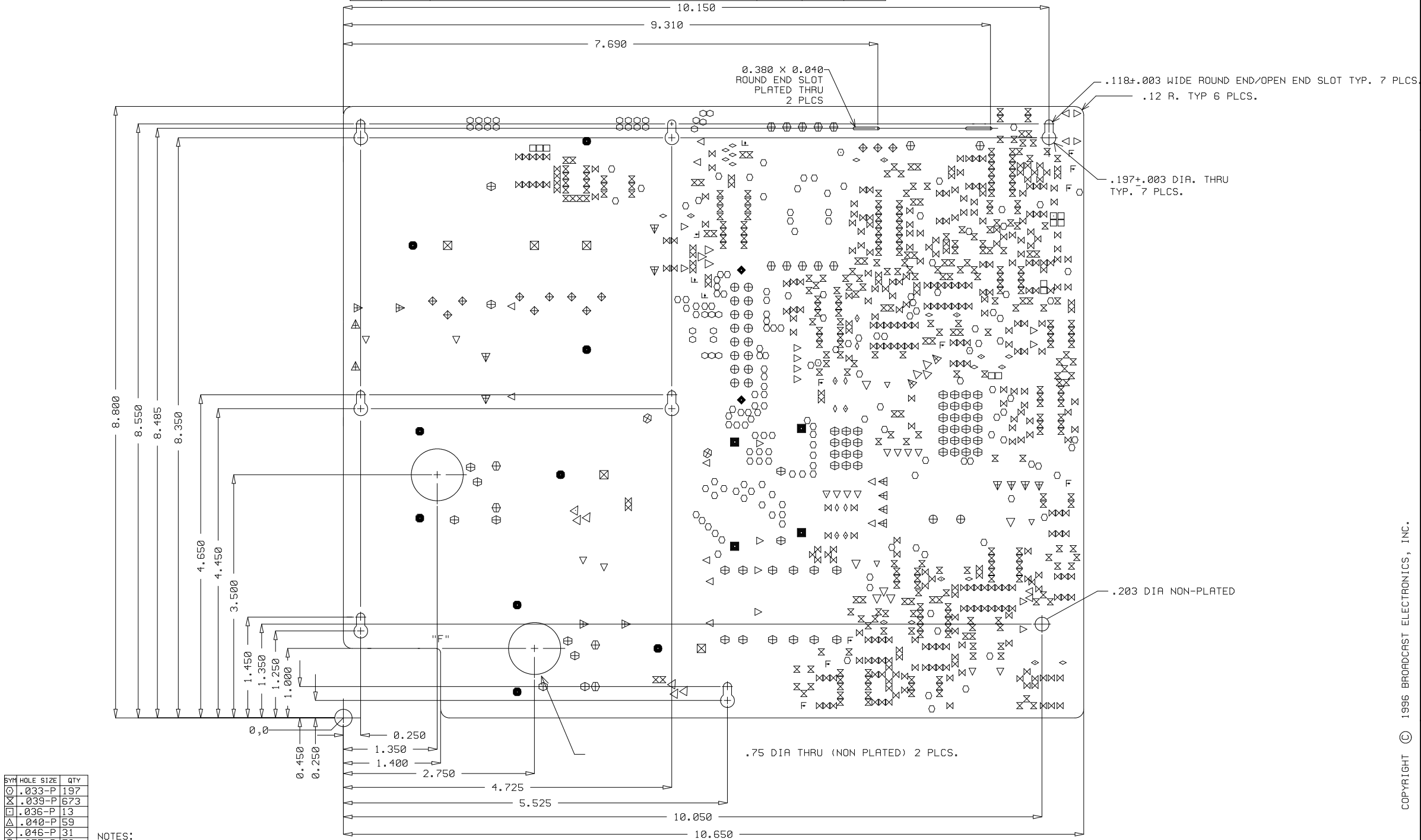
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TOLERANCE (DECIMAL) U.O.S. .x .x .030 .xxx .x .005 .xx .x .015 .xxx .x .1"		MATERIAL SEE B/M 917-0315-001 917-0315-002/003 917-0315-004/005 BROADCAST ELECTRONICS INC. 24TH ST., P.O.BOX 3608 QUINCY, IL 62305 217/224-9600 TELX 258142 CABLE BROADCAST FRK 217/224-9607 TITLE SCHEMATIC POWER SUPPLY TYPE SIZE DWG. NO. 917-0315-001 S B 917-0315-002/004/005 MODEL RM-500A/2.5A/1A SCALE NONE SHEET 1 OF 2	



VIED FROM COMPONENT SIDE

N	12-20-99	ADDED CTI NOTE TO NOTE 2.	KT	JW	10244
P	9-22-00	ADDED 1 .033, 4 .040, 6 .067 HOLES; DELETED 2 .039 HOLES; CHGD TRACES AROUND X5400Y5000; ALL ON 517-0315-001.	MH	JW	10354
R	1-25-01	ADDED 1 .033 & 4 .040 HOLES TO -001	KT	JW	10409
T	6-21-01	CHGD AREA AROUND U6	KT	JW	10465
U	2-21-03	SEPERATED BOARDS	KT	JW	10880
V	8-8-03	ADDED C31	KT	JW	11021
W	1-23-04	CHGD LOWER RIGHT CORNER	KT	JW	11088
Y	3-8-04	ADDED 8 0.055 HOLES	KT		11102
AA	9-28-05	ADDED C48 & R80	KT		11323

REVISIONS								
REV	DATE	DESCRIPTION				DFTSMN	ENGR	ECN
J	2-4-99	ADDED 4 .036 & 4 .039 HOLES;CHGD TRACES ON -001 BD;				KT	JW	10087
K	7-6-99	CHGD 2 .046 HOLES TO .039 ON -001BD.				KT	JW	10161
L	11-12-99	ADDED 1 .036 & 2 .039 HOLES.				KT	JW	10205
M	12-14-99	CHANGED SILKSCREEN				KT		10233



SYM	HOLE SIZE	QTY
○	.033-P	197
×	.039-P	673
□	.036-P	13
△	.040-P	59
◇	.046-P	31
⊕	.055-P	70
⊖	.063-P	13
⊗	.067-P	20
⊙	.073-P	12
⊚	.078-P	18
⊛	.094-P	4
⊜	.125-P	2
⊝	.156-N	9
⊞	.175-N	5

NOTES:

- ALL HOLES TO BE PLATED THRU, EXCEPT *, WITH FINISHED SIZE AS SHOWN.
- MATERIAL: 0.062 IN. FIBERGLASS REINFORCED EPOXY, NEMA GRADE FR-4, NATURAL COLOR WITHOUT OPAQUE; 4 OZ. COPPER CLAD BOTH SIDES. THE PRINTED WIRING BOARD MATERIAL MUST HAVE A COMPARATIVE TRACKING INDEX (CTI) OF AT LEAST 175 AND A SUITABLE FLAMMABILITY RATING.
- FINISH: SELECTIVE SOLDER/HOT AIR LEVELED.
- APPLY GREEN SOLDER MASK OVER BARE COPPER
- TO BE SILKSCREENED WHITE ON COMPONENT-SIDE PER "SILKSCREEN" ARTWORK.

- CIRCUIT BOARD TO BE ELECTRICALLY TESTED BY VENDOR FOR TRACE CONTINUITY AND PROOF AGAINST TRACE SHORTS.

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TOLERANCE (DECIMAL) U.O.S.
.X ± .030 .XXX ± .005
.XX ± .015 ANGLES ± 1°

DWN. BY 12-12-95
M. HAYDEN
CHKD
ME
PROJ. ENGR. 4-1-96
J. WESTBERG
MFG.

MATERIAL
SEE NOTE 2
FINISH
SEE NOTES
1,3,4,5 & 6
SEE DWG-RA592-0000
NEXT ASSY.

B BROADCAST ELECTRONICS, INC. 4100 N. 24TH ST. P.O. BOX 3606 QUINCY, IL. 62305 PH. 217/224-9600 TELEX 250142 CABLE BROADCAST FAX 217/224-9607			
TITLE PCB MACHINING POWER SUPPLY BD			
TYPE M	SIZE C	DWG No. 517-0315-001	REV AA
MODEL AM-1A	SCALE 1/1	SHEET 1 OF 1	