



WIRE TABLE 2			
FROM	LENGTH	TO	ITEM NO.
C91	3.75"	C12	26
C12	1.625"	C67	26
E4	2.30"	C66	26
E3	1.812"	C60	26
L31	8.75"	R51(T)	26
C96	1.25"	R21	26
C96	2.125"	C22	26

(T)=TERMINAL POST

WIRE TABLE 1		
FROM	COLOR	TO
P6	BROWN	E1
P6	RED	E4
P6	ORANGE	E6
P6	YELLOW	E8
P6	GREEN	E7
P6	BLUE	E3
P6	VIOLET	GROUND
P6	GREY	E2

SEE WIRE TABLE 1 FOR P6 TERMINATIONS



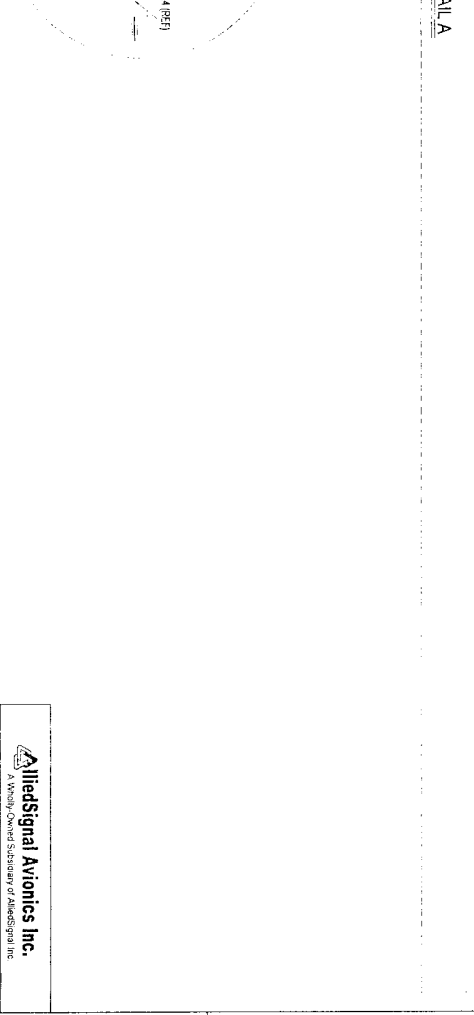
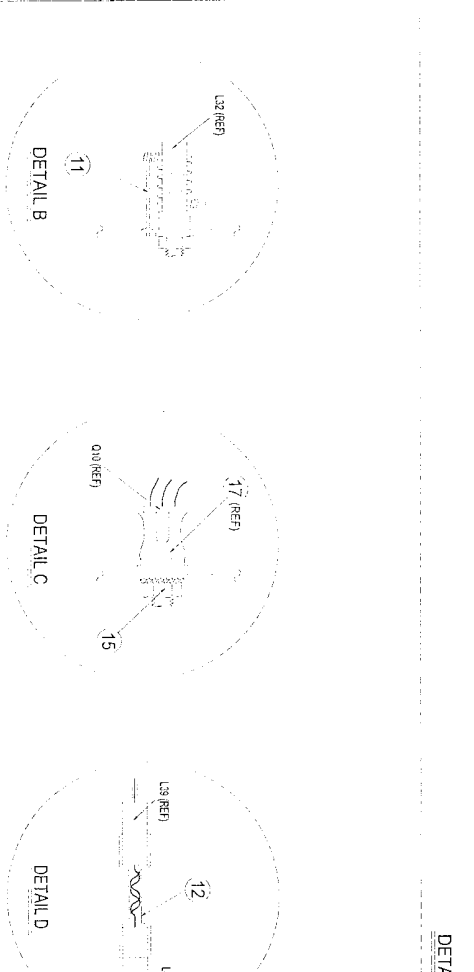
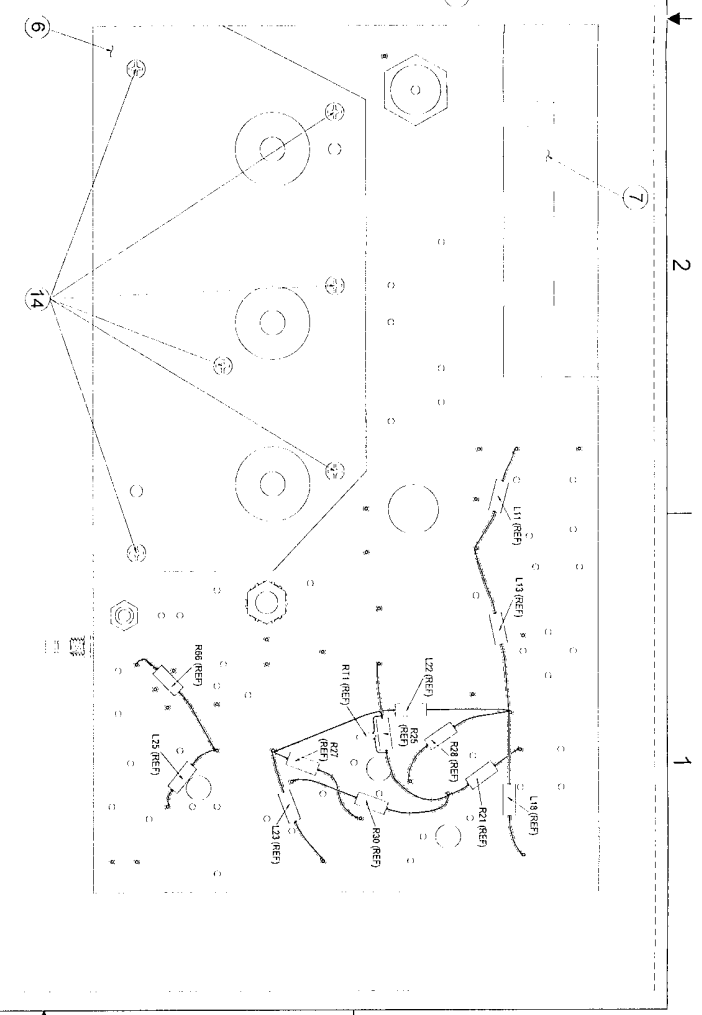
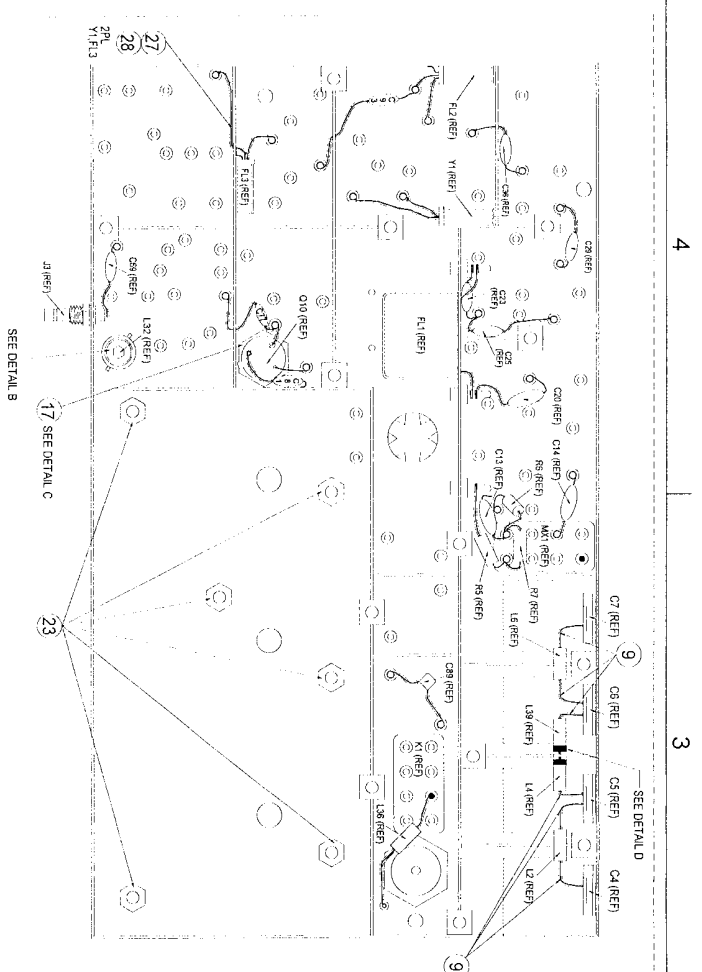
MCX-1000 R/T MODULE (A2)

AlliedSignal Avionics Inc.
A Wholly-Owned Subsidiary of AlliedSignal Inc.

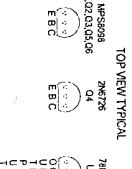
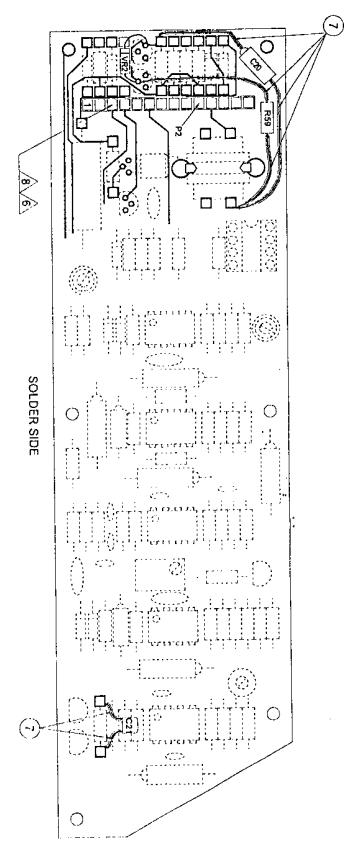
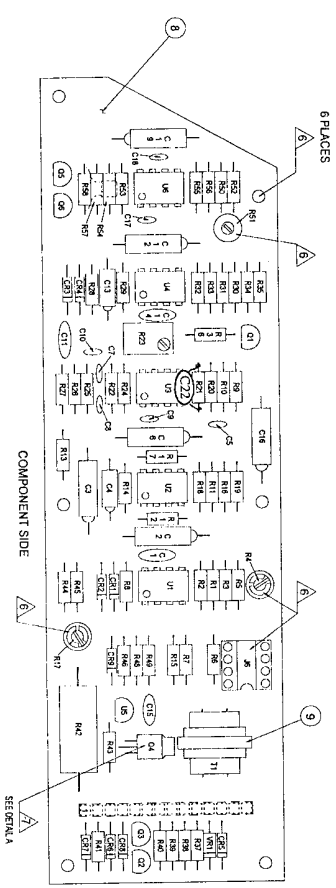
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STATE	148-2259-002	SEARCHED	INDEXED
B			
SEARCHED	NONF	SERIAL	3 OF 3

Set 3 of 3



REV	ECO	DATE
A	ORIGINAL RELEASE	12-14-84
B	10054	04-15-96
3	115413	07-12-96
4	131019	08-28-97 LK
5	131610	09-12-97
6	134230	12-15-97



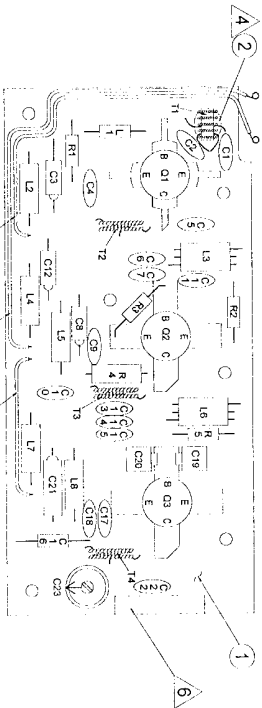
- NOTES:**
1. REFERENCE PARTWORK 108-4205
 2. REFERENCE SCHEMATIC 157-0241-000
 3. REFERENCE TEST PROCEDURE 659-0235-000
 4. REFERENCE PCS 116 AND 152-002297-000
 5. APPLY CONFORMAL COATING AFTER ELECTRICAL ACCEPTANCE
 6. MASK BEFORE CONFORMAL COATING
 7. MASK WILL HAVE FLAT SIDE UP
 8. P2 (729-2127-014) INSTALLED USING EXPOSURE 6099 OR EQUIVALENT.
 9. MAXIMUM LEAD LENGTH .060 INCH SIDE ONLY
 10. INSTALL CAPACITOR C24 ACROSS R49 ON SOLDER SIDE OF BOARD.
 11. USE THE SOLDER SIDE OF THE BOARD. CUT THE TRACE THAT CONNECTS Q3 BASE LEAD (MIDDLE LEAD) AND THE Q2 COLLECTOR LEAD (LEAD CLOSEST TO THE END OF THE BOARD).
 12. INSTALL VBP2 ON THE SOLDER SIDE OF THE BOARD AS FOLLOWS:
 - A. TO THE END OF THE BOARD.
 - B. CONNECT THE CATHODE END WITH THE BAND TO THE Q2 COLLECTOR LEAD (LEAD CLOSEST TO THE END OF THE BOARD).
 - C. CONNECT THE ANODE (LEAD WITHOUT THE BAND) TO THE Q3 BASE LEAD (MIDDLE LEAD).
 13. INSTALL R59 ON THE SOLDER SIDE OF THE BOARD AS FOLLOWS:
 - A. CONNECT ONE END OF THE RESISTOR TO THE Q3 BASE LEAD (MIDDLE LEAD).
 - B. CONNECT THE OTHER END OF THE RESISTOR TO THE GROUND LEAD OF T1 (CLOSEST TO J6).
 - C. CONNECT LEADS OF COMPONENTS USING ITEM 7.
 - D. USING ITEM 6 SECURE COMPONENTS TO THE BOARD.
 14. INSTALL C20 ON THE SOLDER SIDE OF THE BOARD AS FOLLOWS:
 - A. CONNECT THE POSITIVE SIDE TO THE END OF R40 CLOSEST TO THE END OF THE PCB BOARD.
 - B. CONNECT THE OPPOSITE SIDE TO THE END OF R40 CLOSEST TO THE GROUND LEAD OF T1 (CLOSEST TO J6).
 - C. COVER LEADS OF COMPONENTS USING ITEM 7.
 15. MARK ED NUMBER 2287 ON THE ASSEMBLY.

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APPROVALS	DATE	REVISION
T. BERTRAND	07-24-97	1
T. BERTRAND	07-24-97	2
AUTO SKETCH 20		
MCX-1000 AUDIO MODULE		
148-0420-000		

ALITHORZEN PRINT 1

REV	ECO	DATE
0	ORIGINAL RELEASE	09-03-97
AA	ECO 133378	11-05-97



WIRE C WIRE B WIRE A

ITEM NO.	WIRE	LENGTH
3	A	1 5/8"
3	B	3 5/8"
3	C	4 3/8"

THIS DRAWING NOT COMPLETE WITHOUT PARTS LIST 300-2261-002

NOTES:

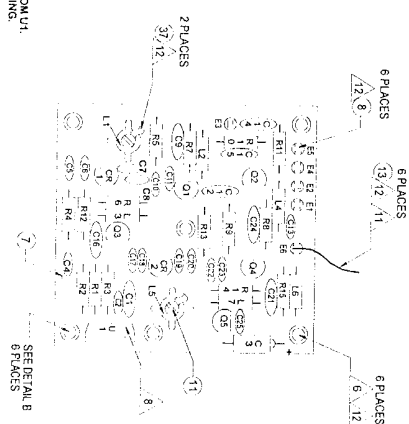
1. REFERENCE PARTWORK 106-461-000
2. REFERENCE SCHEMATIC 132-0209-000
3. REFERENCE RFI MODULE TEST PROCEDURE 660-0738-000
4. SECURE IT TO PWB (ITEM 1) USING RFI (ITEM 2) OR EQUIVALENT
5. MARK OUT THE WORDS "VOLTSBERG ELECTRONICS" AND "300-2261-000"
6. PIECE MARK PER PCS-112 AT THIS APPROXIMATE LOCATION
7. CUT ITEM 3 PER WIRE TABLE 1 AND SOLDER TO THE PDS OF THE AVAILABLE FEEDTHRU

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APPROVALS	DATE	MCX-1000 POWER AMP (A7)
T. BERTRAND	07-24-97	
T. BERTRAND	07-24-97	
AUTO SKETCH 20		
SCALE: NONE		148-2261-002
REVISION: 1		

Altecsignal Avionics Inc.
A Worldly Owned Subsidiary of Altecsignal Inc.

REV	ECO	DATE
A	ORIGINAL RELEASE	12-14-84
B	10084	04-15-86
3	122865	01-86
4	131019	06-97 LK
5	131567	09-12-97
AA	136039	22-01-98



- NOTES:**

 1. REFERENCE AIRWORK 109-404
 2. REFERENCE SCHEMATIC 13,026-000
 3. REFERENCE TEST PROCEDURE 804028-000
 4. REFERENCE PDS 118 AND 182-00283-000
 5. APPLY CONFORMAL COATING AFTER ELECTRICAL ACCEPTANCE MASK BEFORE WAVE SOLDER
 6. USE TABLE 1 FOR COMPONENT HEIGHT OFF THE BOARD
 7. **UT POLARITY NOTCH AND VALUE MUST BE WRITTEN ON PART FACES INSIDE OF BOARD. UT WILL NOT SIT FLUSH TO BOARD.**
HEATING MUST BE REMOVED FROM UT.
REFERENCE 108-7042-000 DRAWING.
 8. **USE TABLE 1 FOR COMPONENT HEIGHT OFF THE BOARD**
 9. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 10. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 11. **ADDER 13.5 PLACES 171 AND 156**
 12. **DO NOT RESS PINE 171 IN 1/16" LONG**
 13. **KEEP PINE OF CONFORMAL COATING**
 14. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 15. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 16. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 17. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 18. **DO NOT RESS PINE 171 IN 1/16" LONG**
 19. **KEEP PINE OF CONFORMAL COATING**
 20. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 21. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 22. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 23. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 24. **DO NOT RESS PINE 171 IN 1/16" LONG**
 25. **KEEP PINE OF CONFORMAL COATING**
 26. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 27. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 28. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 29. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 30. **DO NOT RESS PINE 171 IN 1/16" LONG**
 31. **KEEP PINE OF CONFORMAL COATING**
 32. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 33. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 34. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 35. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 36. **DO NOT RESS PINE 171 IN 1/16" LONG**
 37. **KEEP PINE OF CONFORMAL COATING**
 38. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 39. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 40. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 41. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 42. **DO NOT RESS PINE 171 IN 1/16" LONG**
 43. **KEEP PINE OF CONFORMAL COATING**
 44. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 45. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 46. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 47. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 48. **DO NOT RESS PINE 171 IN 1/16" LONG**
 49. **KEEP PINE OF CONFORMAL COATING**
 50. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 51. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 52. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 53. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 54. **DO NOT RESS PINE 171 IN 1/16" LONG**
 55. **KEEP PINE OF CONFORMAL COATING**
 56. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 57. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 58. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 59. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 60. **DO NOT RESS PINE 171 IN 1/16" LONG**
 61. **KEEP PINE OF CONFORMAL COATING**
 62. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 63. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 64. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 65. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 66. **DO NOT RESS PINE 171 IN 1/16" LONG**
 67. **KEEP PINE OF CONFORMAL COATING**
 68. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 69. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 70. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 71. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 72. **DO NOT RESS PINE 171 IN 1/16" LONG**
 73. **KEEP PINE OF CONFORMAL COATING**
 74. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 75. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 76. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 77. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 78. **DO NOT RESS PINE 171 IN 1/16" LONG**
 79. **KEEP PINE OF CONFORMAL COATING**
 80. **UNLESS OTHERWISE NOTED, ALL COMPONENTS MUST BE PLACED ON THE SOLDER SIDE OF THE BOARD BOTTOM OF COMPONENT. EXCEPTIONS: C1, C2, C4, C14, C23, C34, AND U1**
 81. **APPLY ITEM 45 TO 262-02105 (IS REQUIRED)**
 82. **USE THE FOLLOWING DIMENSIONS FOR THE BOARD:**
 USING ITEM 171: 605-205-000, CUT A 1/16" FEEB, AND THEN CUT IN HALF THE LENGTH. FOR EACH PINE IN HALF REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE REMOVE THE POLYESTER WAX AND IS REHEATWAX TO CORE AND TO BOARD USING ITEM 15 OR EQUIVALENT
 83. **INSERT ON SOLDER SIDE, SOLDER ON COMPONENT SIDE**
 - 8

DETAIL A

CAP

X SEE TABLE 1

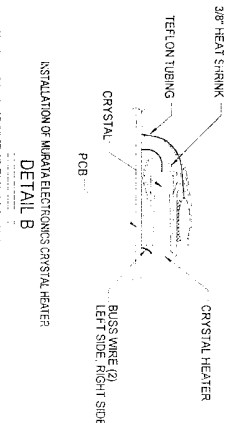
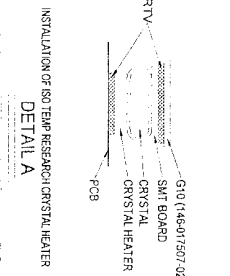
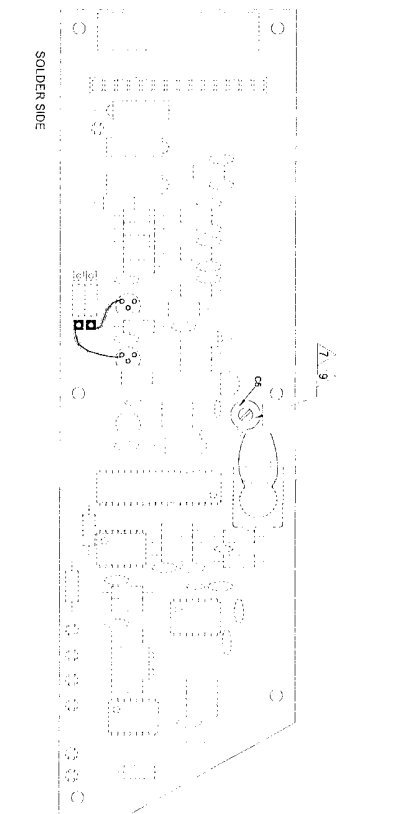
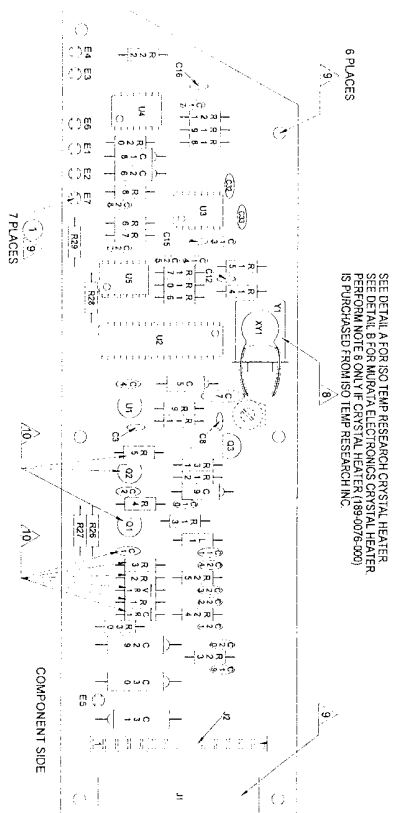
TABLE 1

SYMBOL	X ¹ HEIGHT
C6	200" - 250"
C7	187" - 250"
C8	250" MAX
C17	150" - 225"
C19	100" MAX
C20	150" - 207"

			AlliedSignal Avionics Inc. A Honeywell Company	
APPROVALS			DATE	
T. BERTRAND			07-24-97	
T. BERTRAND			07-24-97	
AUTO SKETCH 20				
			B	C
			NONE	
			148-04-16-004	
			Sheet 1 of 1	

AUTHORIZED PRINT

REV	ECO	DATE
A	ORIGINAL RELEASE	12-14-84
B	20884	02-07-85
C	14187	04-15-86
4	14187	04-15-86
5	13556	02-07-86
6	13109	8-07-86
7	131504	06-10-87
AA	135635	12-23-97



- NOTES:**
1. REFERENCE ARTWORK 108-4206-000
 2. REFERENCE SCHEMATIC 152-0240-000
 3. REFERENCE TEST PROCEDURE 656-0234-000
 4. REFERENCE PCS 152-002298-000
 5. APPLY CONFORMAL COATING AFTER ELECTRICAL ACCEPTANCE
 6. PIECE MARK 300-2298-000 CURRENT REV.
 7. INSTALL ON SOLDER SIDE. SOLDER ON COMPONENT SIDE
 8. INSTALL CRYSTAL (P/N 139-0066-000) INTO CRYSTAL HEATER (P/N 189-0076-000) MANUFACTURED BY ISO TEMP RESEARCH INC. ONLY. APPLY RTV OR EQUIVALENT INSULATOR TO TOP OF CRYSTAL HEATER (SMT BOARD) THEN INSTALL CRYSTAL HEATER (SMT BOARD) TO TOP OF CRYSTAL HEATER (SMT BOARD) THEN INSTALL INSULATOR G10
 9. KEEP FREE OF CONFORMAL COATING
 10. NOT USED.
 11. APPLY 016-01010-0000 TO CAPACITORS AS REQUIRED TO REDUCE HARMONIC NOISE
- REWORK NOTES:**
1. USING WIRE (16031-1) CONNECT THE END OF R26 NEAREST C2 TO EMPTY LEAD HOLE LEFT FROM Q1 NEAREST R26
 2. TO EMPTY LEAD HOLE LEFT FROM Q1 NEAREST R26
 3. TO EMPTY LEAD HOLE LEFT FROM Q2 NEAREST R27
 4. TO EMPTY LEAD HOLE LEFT FROM Q2 NEAREST R27

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APPROVALS	DATE	REVISION
T. BERTRAND	07-24-97	1
T. BERTRAND	07-24-97	2
MCX-1000 SYNTHESIZER MODULE		148-0418-000

AlliedSignal Avionics Inc.
A Honeywell Company

4

3

2

1

SEE DETAIL B

SEE DETAIL A

8

8 36

AIE3
RT
AIE2
AIE1

SEE DETAIL C

6 66 64

63 64

65

63 64

A2P6

SIDE VIEW OF A1E1/AIE2/AIE3

3 PLACES

62

3 PLACES

3

3 PLACES

20

CHASSIS

DETAIL C

DETAIL A

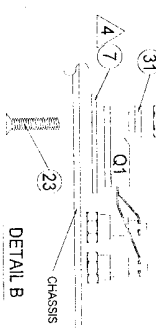
SIDE VIEW OF Q2 MOUNTING



CHASSIS

23 37

SIDE VIEW OF Q1 MOUNTING



CHASSIS

DETAIL B

AlleSignal Avionics Inc.
A Honeywell subsidiary of AlliedSignal Inc.

MCX-1000
CHASSIS ASSEMBLY

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148-0417-000

REV	ECO	DATE
A	ORIGINAL RELEASE	12-14-84
2	131315	09-09-97
AA	132614	10-10-97
AB	133272	10-27-97

- NOTES:
1. REFERENCE SCHEMATIC 152-0240-000
2. REFERENCE MCK-1000 ASSEMBLY DETAILS 300-99439-0000
3. REFERENCE WIRE TABLE 1 FOR CONNECTIONS OF THE FOLLOWING ITEMS:
46.51, 47, 44, 45, 47, 48, 50, 49
4. ATTACH ITEM 35 BEFORE INSTALLATION.
5. ITEM 22 INSTALLED FROM THE FAR SIDE.
6. ITEMS 66 AND 64 INSTALLED FROM THE FAR SIDE.
7. INSTALL ITEMS 56, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882,

WIRE TABLE 1			
ITEM	COLOR	FROM	TO

MODULE REFERENCE

- A1 - CHASSIS
- A2 - RT MODULE
- A3 - AUDIO MODULE
- A4 - SYNTHESIZER
- A5 - BUFFER
- A6 - VCO
- A7 - POWER AMP

THIS DRAWING NOT COMPLETE WITHOUT PARTS LIST 300-2296-0000

 AlliedSignal Avionics Inc. A Wholly-Owned Subsidiary of AlliedSignal Inc.		APPROVALS T. BERRAND T. BERRAND DATE 07-24-97 07-24-97	
MCX-1000 CHASSIS ASSEMBLY		SIZE 8 148-0417-000	

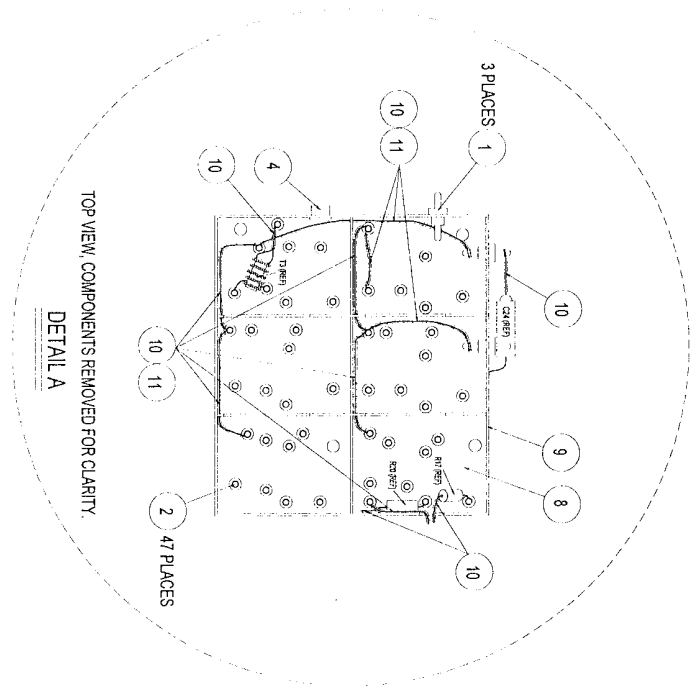
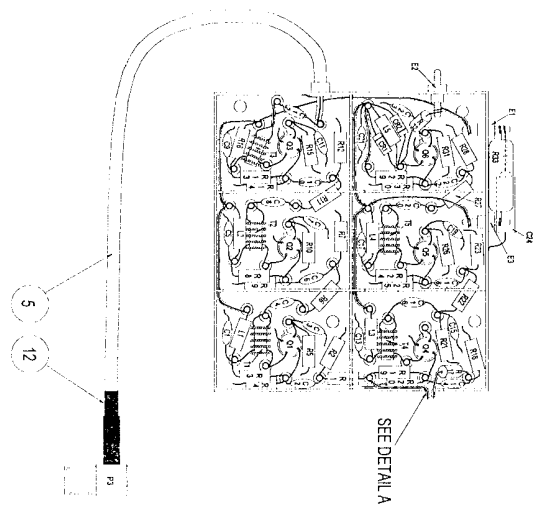
4

3

2

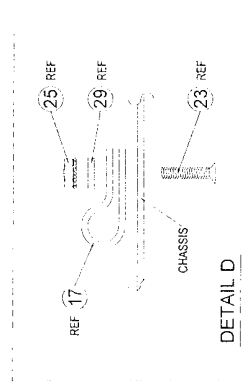
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REV	ECO	DATE
A	ORIGINAL RELEASE	12-14-84
B	10054	04-19-85
C	122855	12-05-85
4	131324	09-04-97



THIS DRAWING NOT COMPLETE WITHOUT PARTS LIST 300-2108-001

APPROVALS	DATE	ALLIANT SIGNAL AVONICS INC.
T. BERTRAND	07-24-97	MCX-1000 BUFFER MODULE (A5)
T. BERTRAND	07-24-97	148-0425-000



DETAIL D

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF ALLIEDSIGNAL AVIONICS INC. NEITHER RECEIPT NOR POSSESSION THEREOF CONVEYS ANY RIGHT TO REPRODUCE OR USE, OR DISCLOSE, IN WHOLE OR IN PART, ANY SUCH INFORMATION WITHOUT WRITTEN AUTHORIZATION FROM ALLIEDSIGNAL AVIONICS INC.

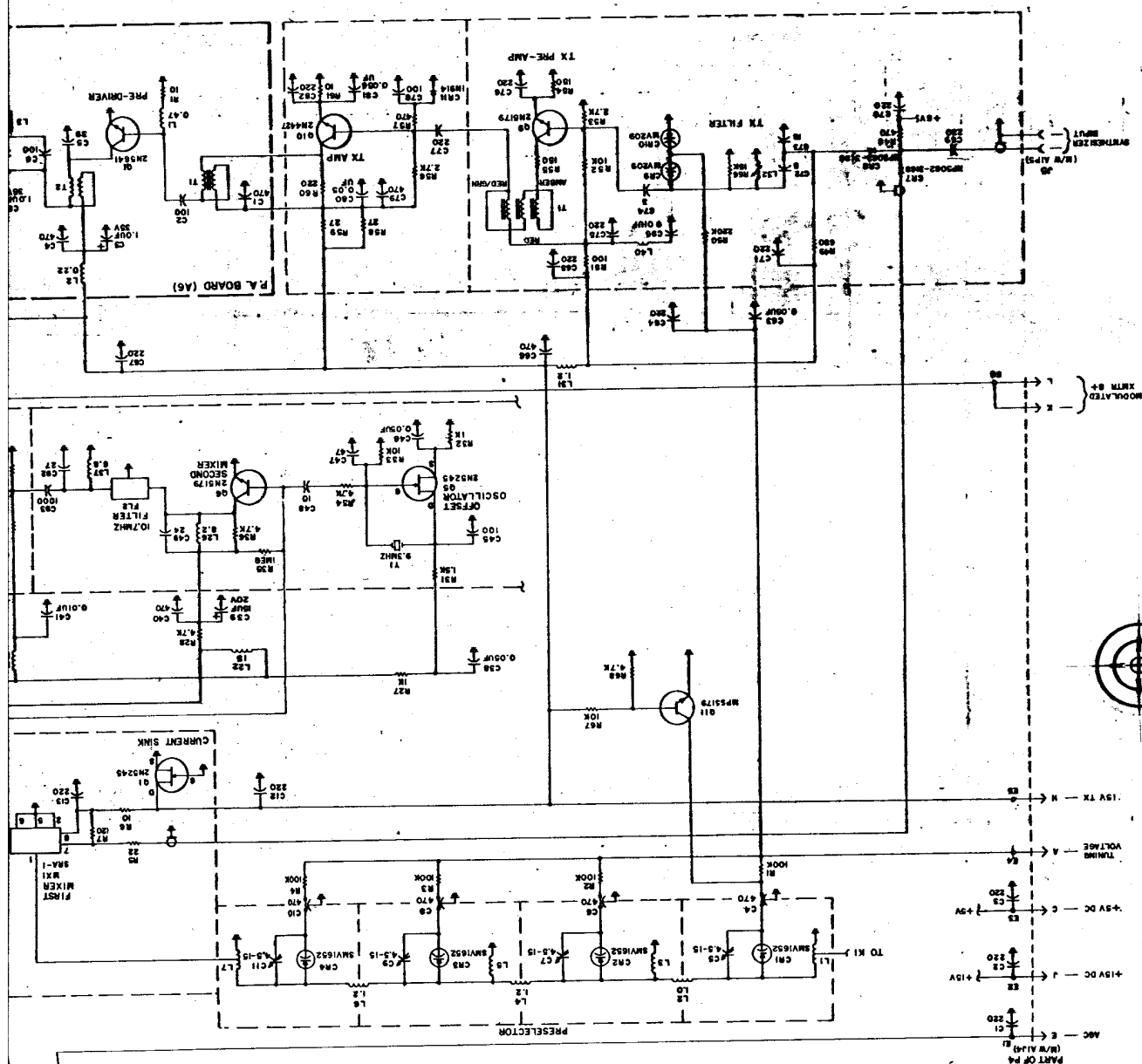
TO R/T MODULE (A2)
SEE WIRE TABLE 1

SEE DETAIL E

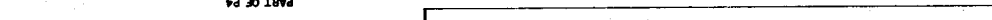
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4



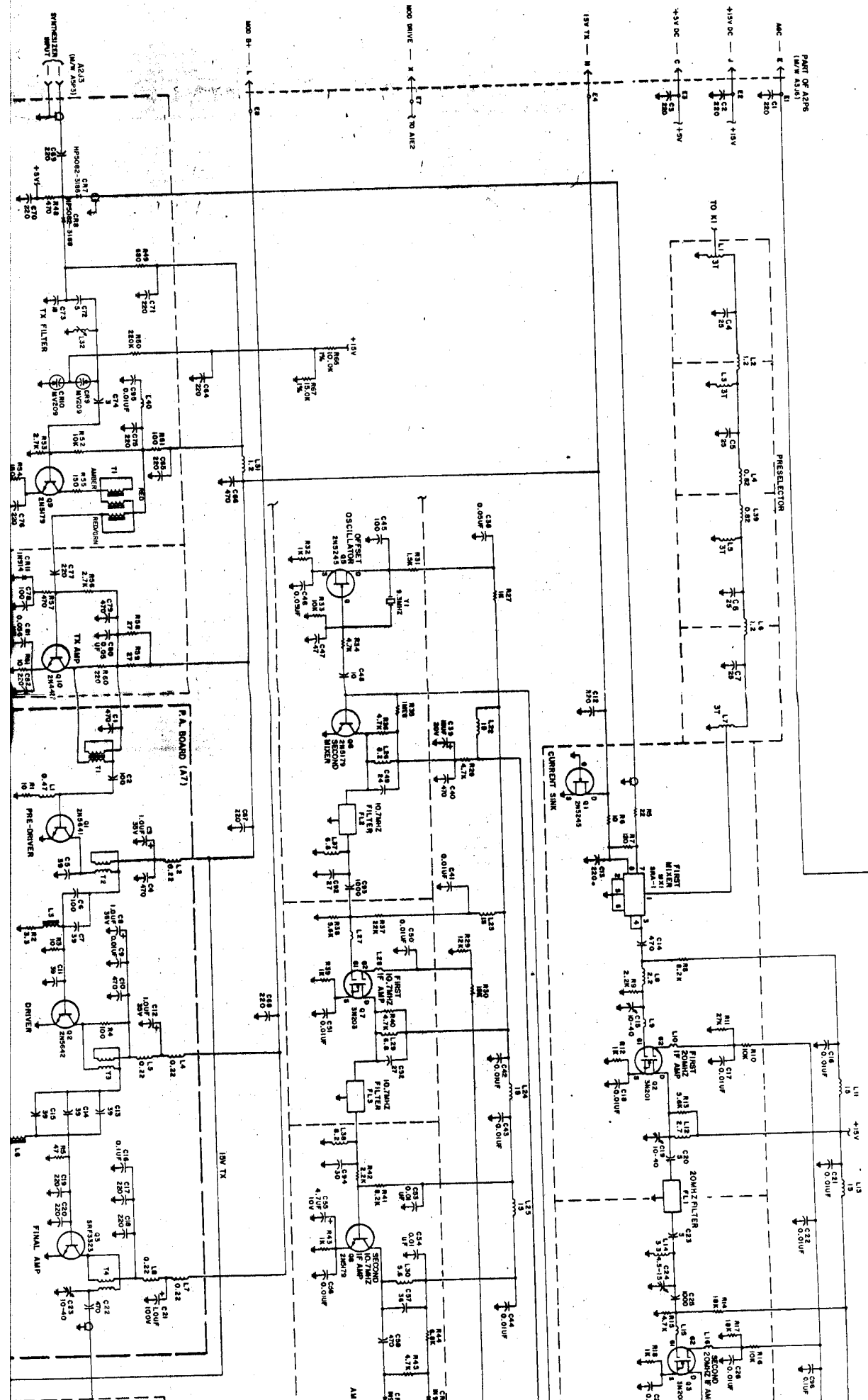
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100

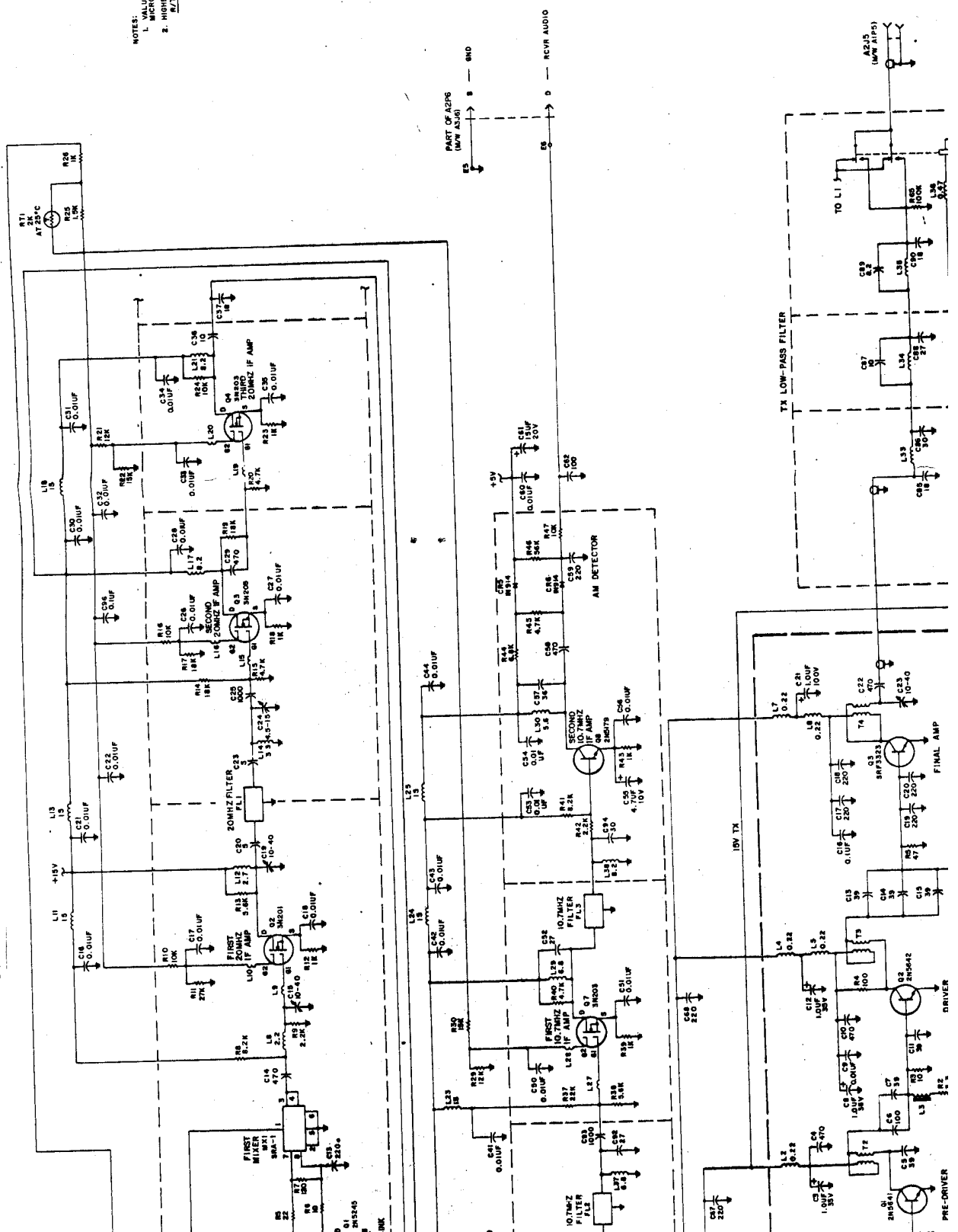


PART OF A278
(M/W A336)



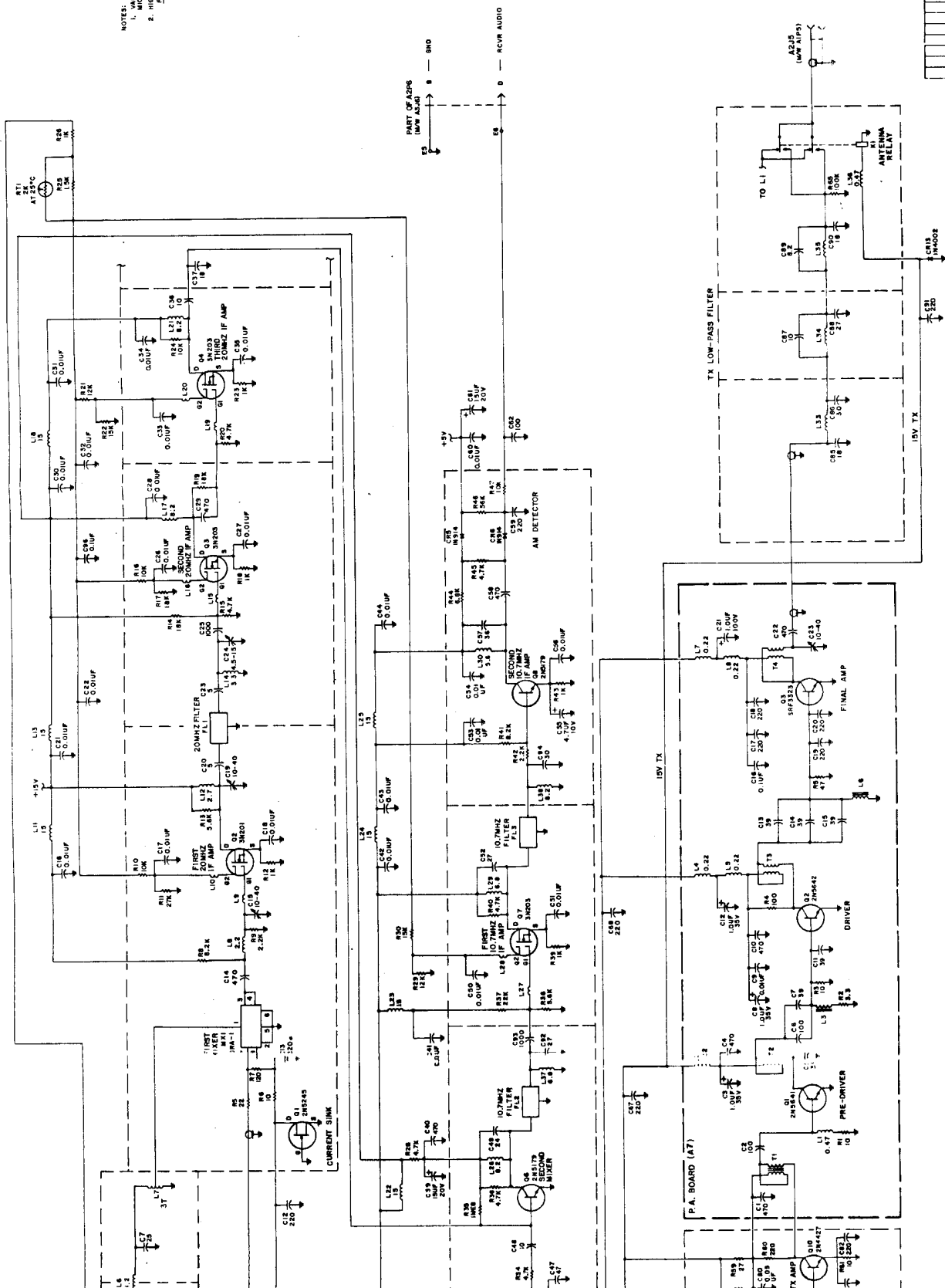
NOTES:
 1. VALUES ARE IN OHMS, MICROHMS OR MICROFARADS UNLESS OTHERWISE INDICATED.
 2. HIGHEST COMPONENT NUMBERS USED:

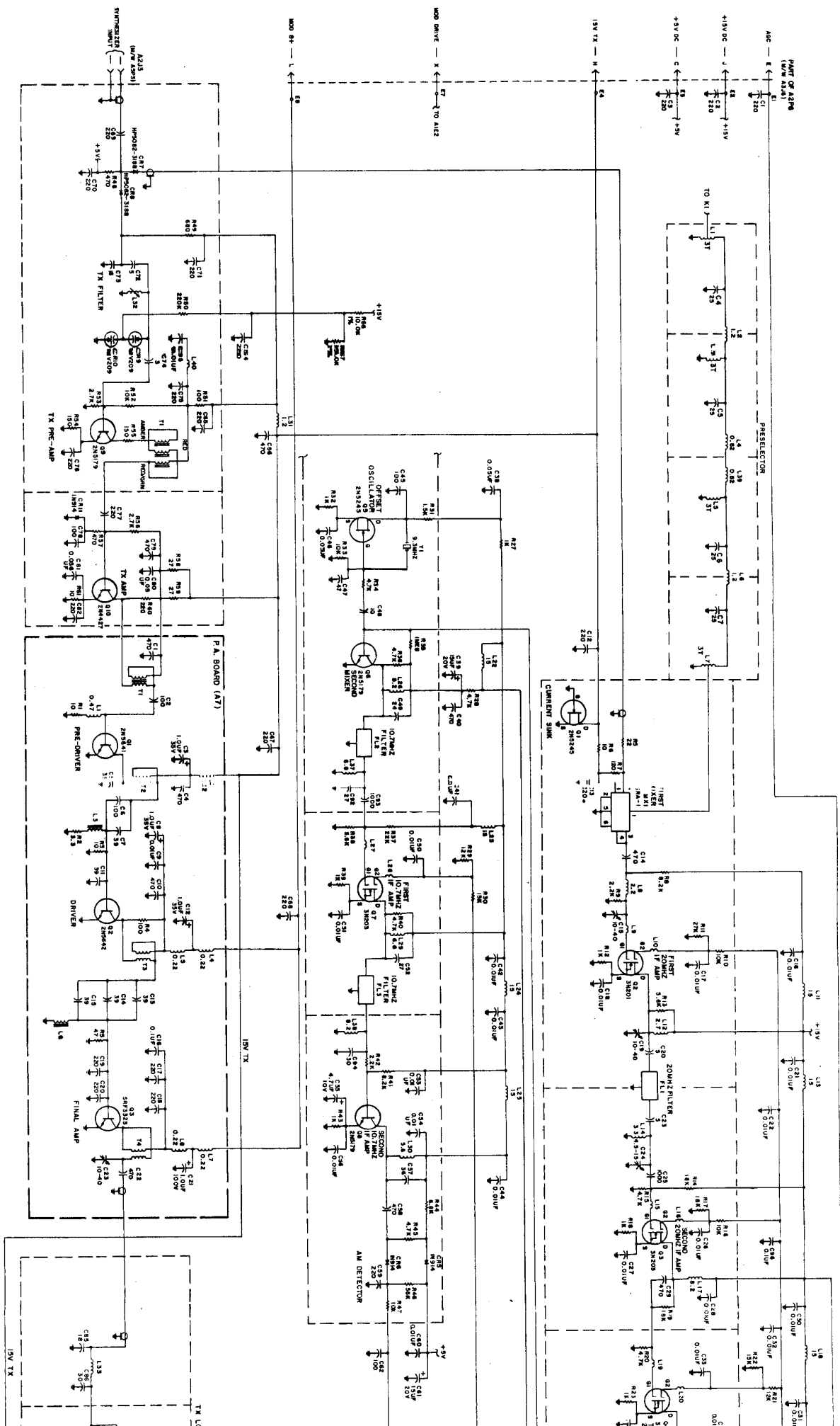
27	500K	PA BOARD
C23		
C24		
C25		
C26		
C27		
C28		
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C33		
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C99		
C100		

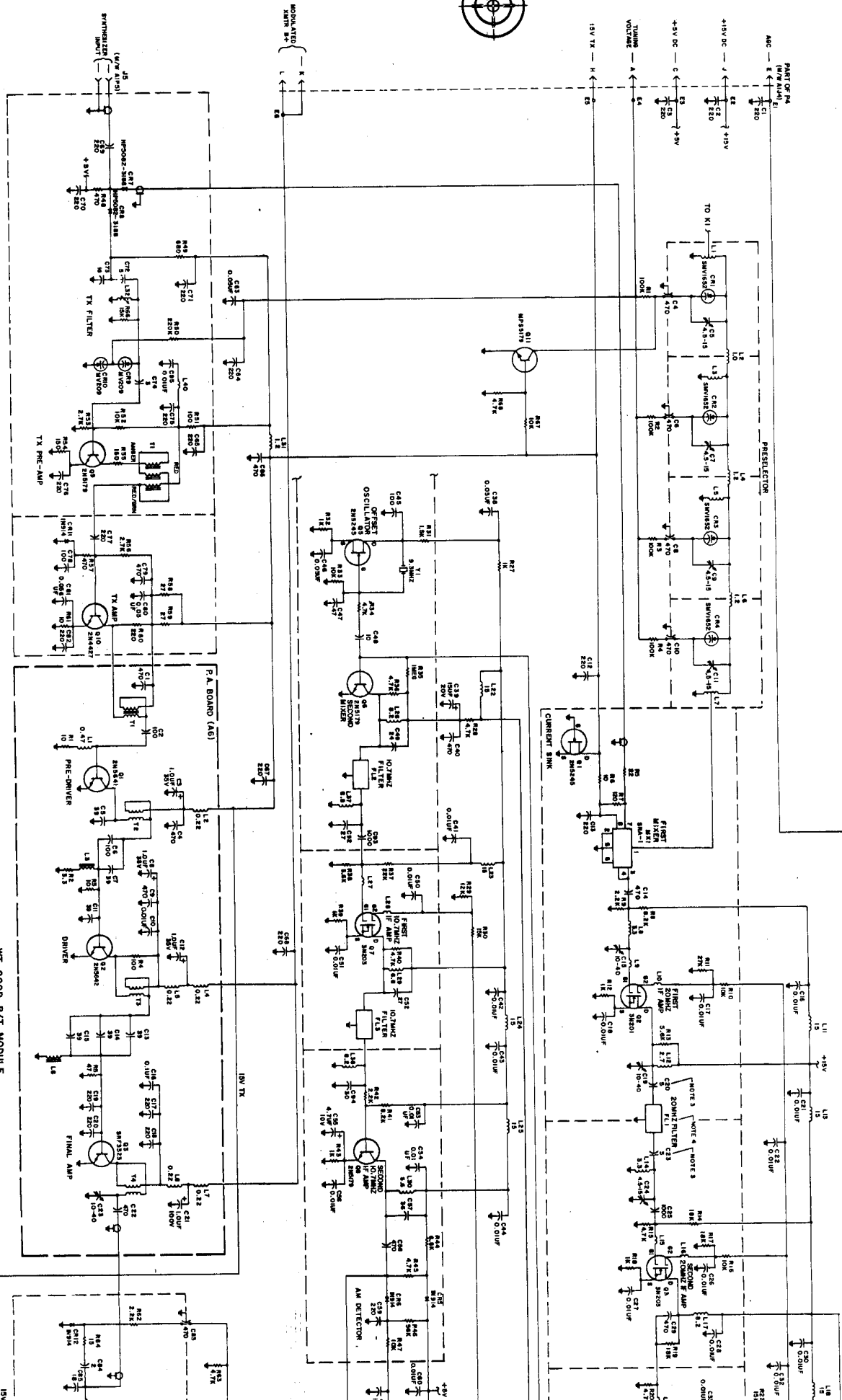


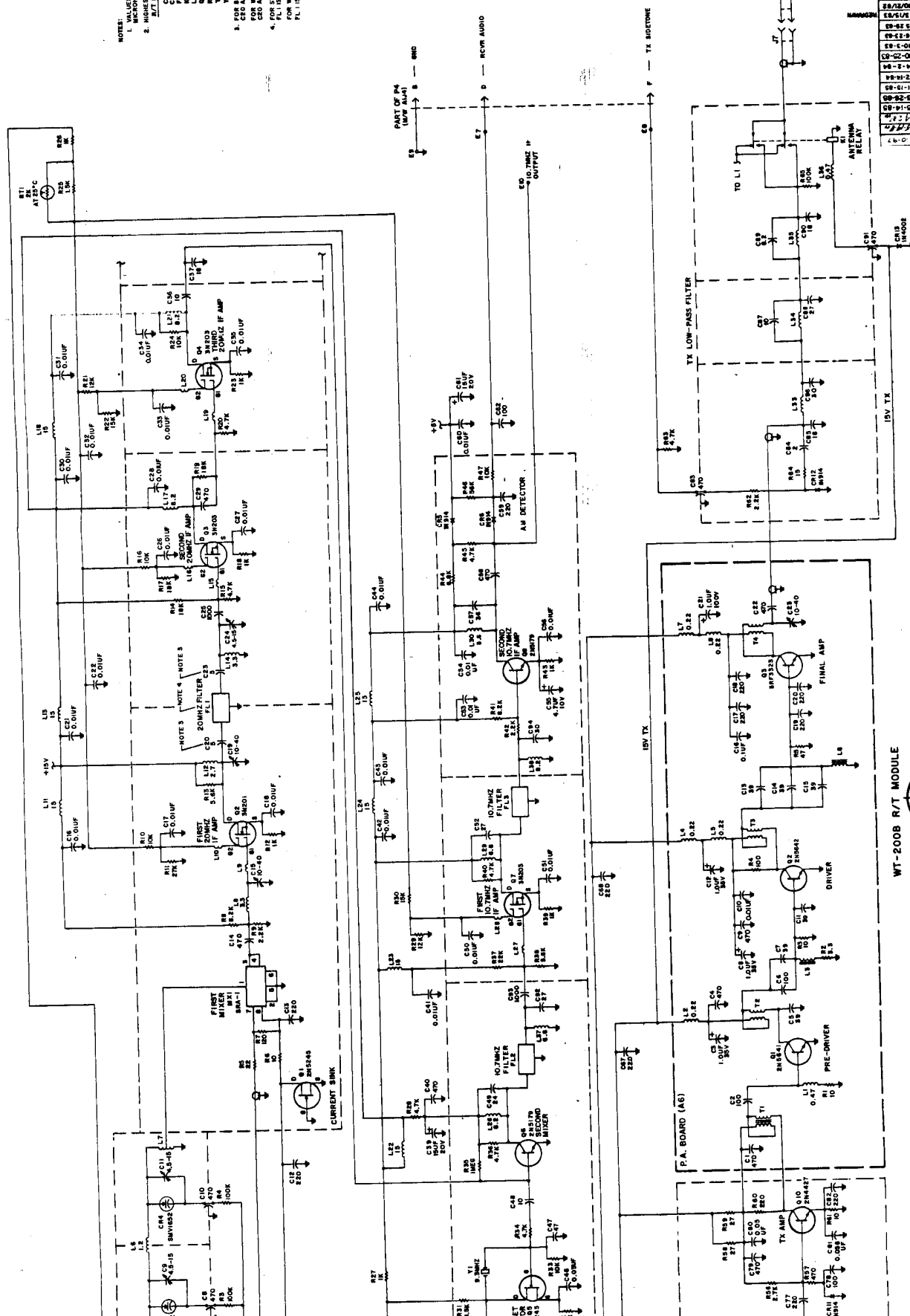
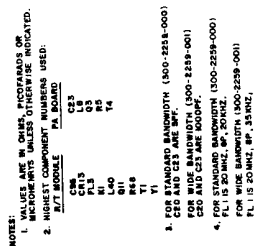
NOTES:
 1. VALUES ARE IN OHMS, MICROFARADS OR MEGAREFMS UNLESS OTHERWISE INDICATED.
 2. HIGHEST COMPONENT NUMBERS USED:

COMPONENT	PA BOARD	TX MODULE
Q1	1	1
Q2	1	1
Q3	1	1
Q4	1	1
Q5	1	1
Q6	1	1
Q7	1	1
Q8	1	1
Q9	1	1
Q10	1	1
Q11	1	1
Q12	1	1
Q13	1	1
Q14	1	1
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Q34	1	1
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Q37	1	1
Q38	1	1
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Q93	1	1
Q94	1	1
Q95	1	1
Q96	1	1
Q97	1	1
Q98	1	1
Q99	1	1
Q100	1	1







[illegible]

WT-2008 R/T MODULE



