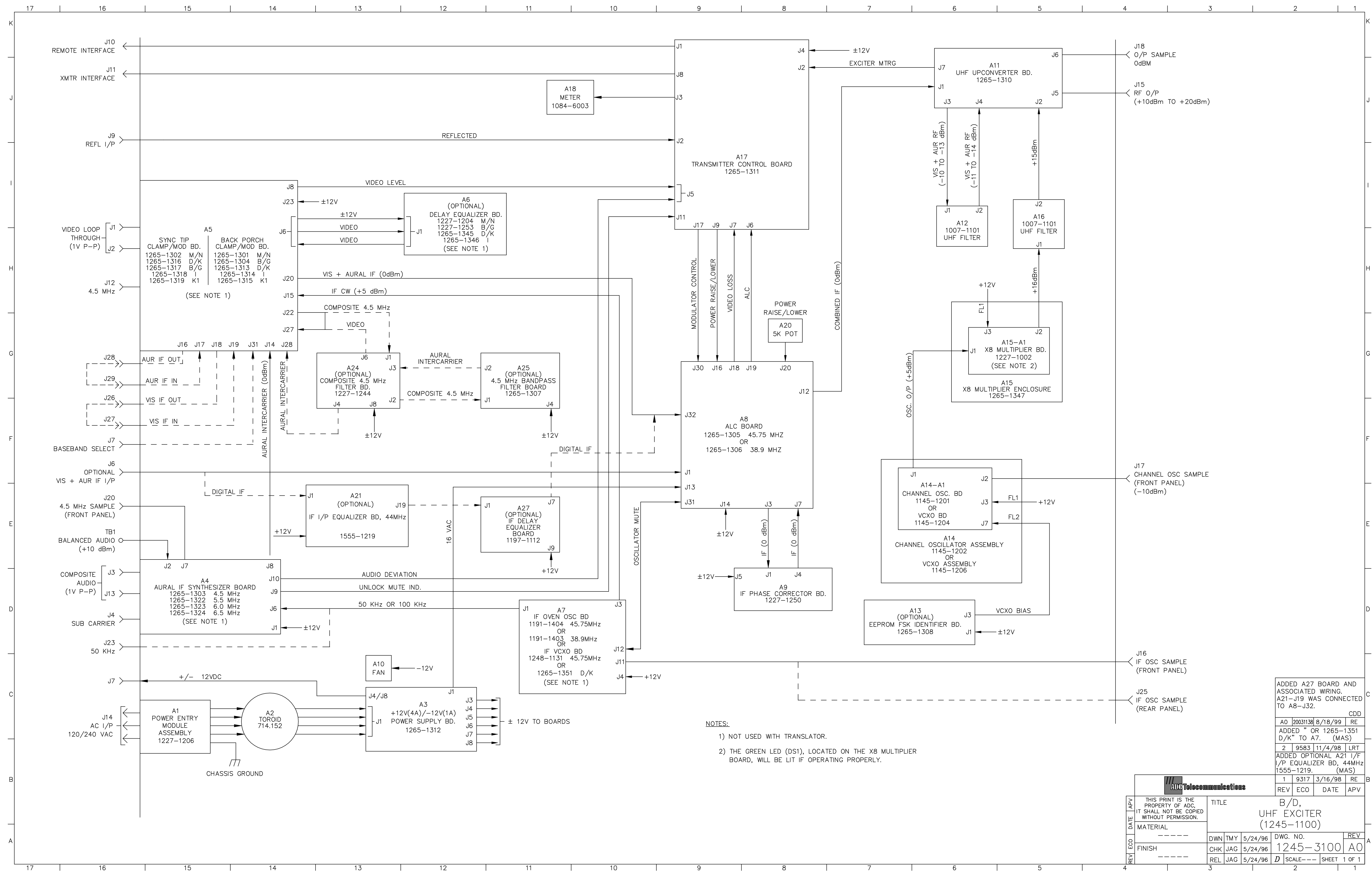
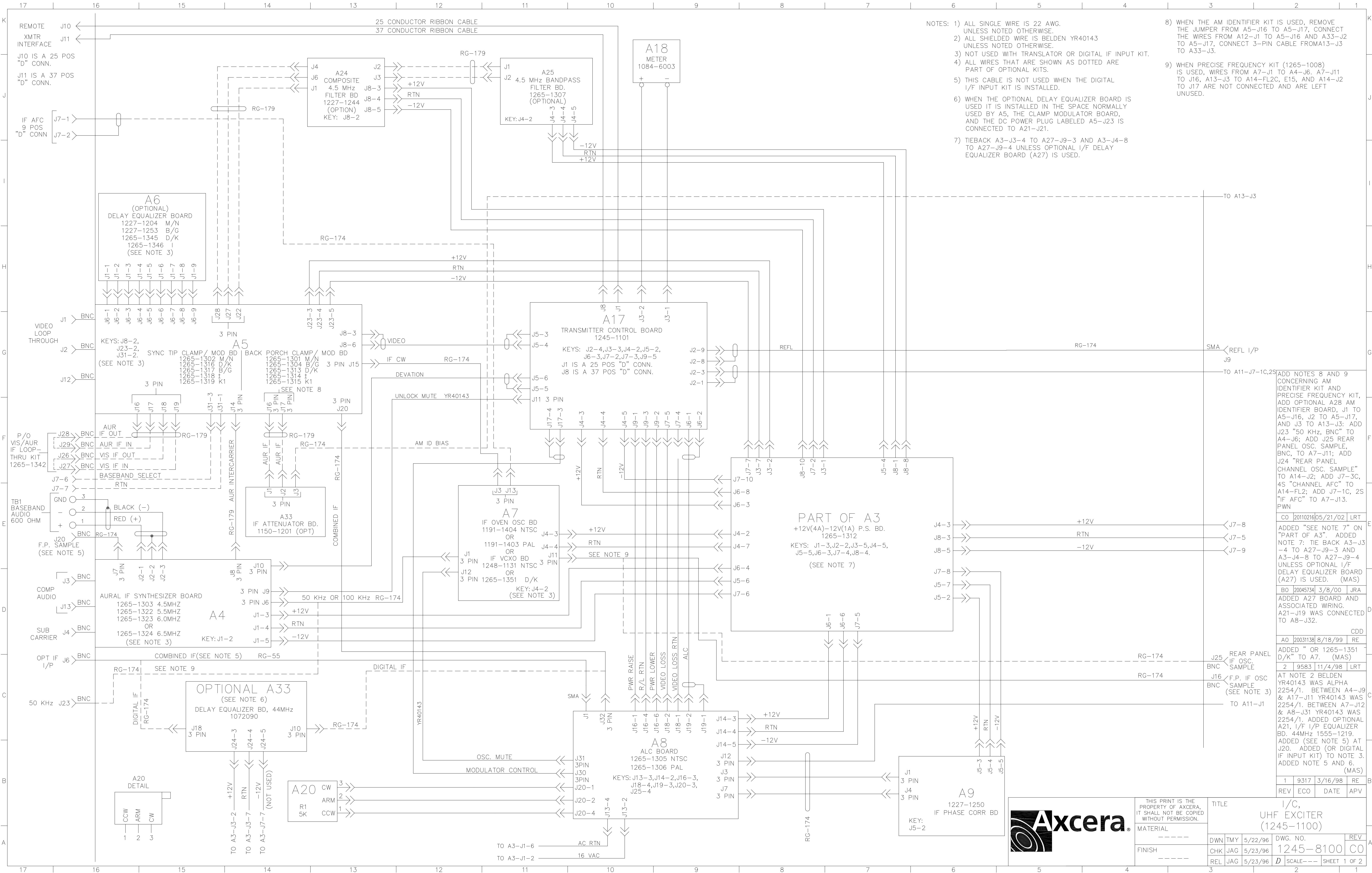








- NOTES: 1) ALL SINGLE WIRE IS 22 AWG. UNLESS NOTED OTHERWISE.  
2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.  
3) NOT USED WITH TRANSLATOR OR DIGITAL IF INPUT KIT.  
4) ALL WIRES THAT ARE SHOWN AS DOTTED ARE PART OF OPTIONAL KITS.  
5) THIS CABLE IS NOT USED WHEN THE DIGITAL I/F INPUT KIT IS INSTALLED.  
6) WHEN THE OPTIONAL DELAY EQUALIZER BOARD IS USED IT IS INSTALLED IN THE SPACE NORMALLY USED BY A5, THE CLAMP MODULATOR BOARD, AND THE DC POWER PLUG LABELED A5-J23 IS CONNECTED TO A21-J21.  
7) TIEBACK A3-J3-4 TO A27-J9-3 AND A3-J4-8 TO A27-J9-4 UNLESS OPTIONAL I/F DELAY EQUALIZER BOARD (A27) IS USED.
- 8) WHEN THE AM IDENTIFIER KIT IS USED, REMOVE THE JUMPER FROM A5-J16 TO A5-J17. CONNECT THE WIRES FROM A12-J1 TO A5-J16 AND A33-J2 TO A5-J17. CONNECT 3-PIN CABLE FROM A13-J3 TO A33-J3.  
9) WHEN PRECISE FREQUENCY KIT (1265-1008) IS USED, WIRES FROM A7-J1 TO A4-J6. A7-J11 TO J16, A13-J3 TO A14-FL2C, E15, AND A14-J2 TO J17 ARE NOT CONNECTED AND ARE LEFT UNUSED.

ADD NOTES 8 AND 9 CONCERNING AM IDENTIFIER KIT AND PRECISE FREQUENCY KIT. ADD OPTIONAL A28 AM IDENTIFIER BOARD. J1 TO A5-J16, J2 TO A5-J17, AND J3 TO A13-J3: ADD J23 "50 KHz, BNC" TO A4-J6; ADD J25 REAR PANEL OSC. SAMPLE, BNC, TO A7-J11; ADD J24 "REAR PANEL CHANNEL OSC. SAMPLE" TO A14-J2; ADD J7-3C, 4S "CHANNEL AFC" TO A14-FL2; ADD J7-1C, 2S "IF AFC" TO A7-J13. PWN

CO [20110216] 05/21/02 LRT

ADDED "SEE NOTE 7" ON "PART OF A3". ADDED NOTE 7: TIE BACK A3-J3-4 TO A27-J9-3 AND A3-J4-8 TO A27-J9-4 UNLESS OPTIONAL I/F DELAY EQUALIZER BOARD (A27) IS USED. (MAS)

BO [20045734] 3/8/00 JRA

ADDED A27 BOARD AND ASSOCIATED WIRING. A21-J19 WAS CONNECTED TO A8-J32.

CDD

AO [20031138] 8/18/99 RE

ADDED " OR 1265-1351 D/K" TO A7. (MAS)

2 [9583] 11/4/98 LRT

AT NOTE 2 BELDEN YR40143 WAS ALPHA 2254/1. BETWEEN A4-J9 & A17-J11 YR40143 WAS 2254/1. BETWEEN A7-J12 & A8-J31 YR40143 WAS 2254/1. ADDED OPTIONAL A21, I/F I/P EQUALIZER BD, 44MHz 1555-1219. ADDED (SEE NOTE 5) AT J20. ADDED (OR DIGITAL IF INPUT KIT) TO NOTE 3. ADDED NOTE 5 AND 6. (MAS)

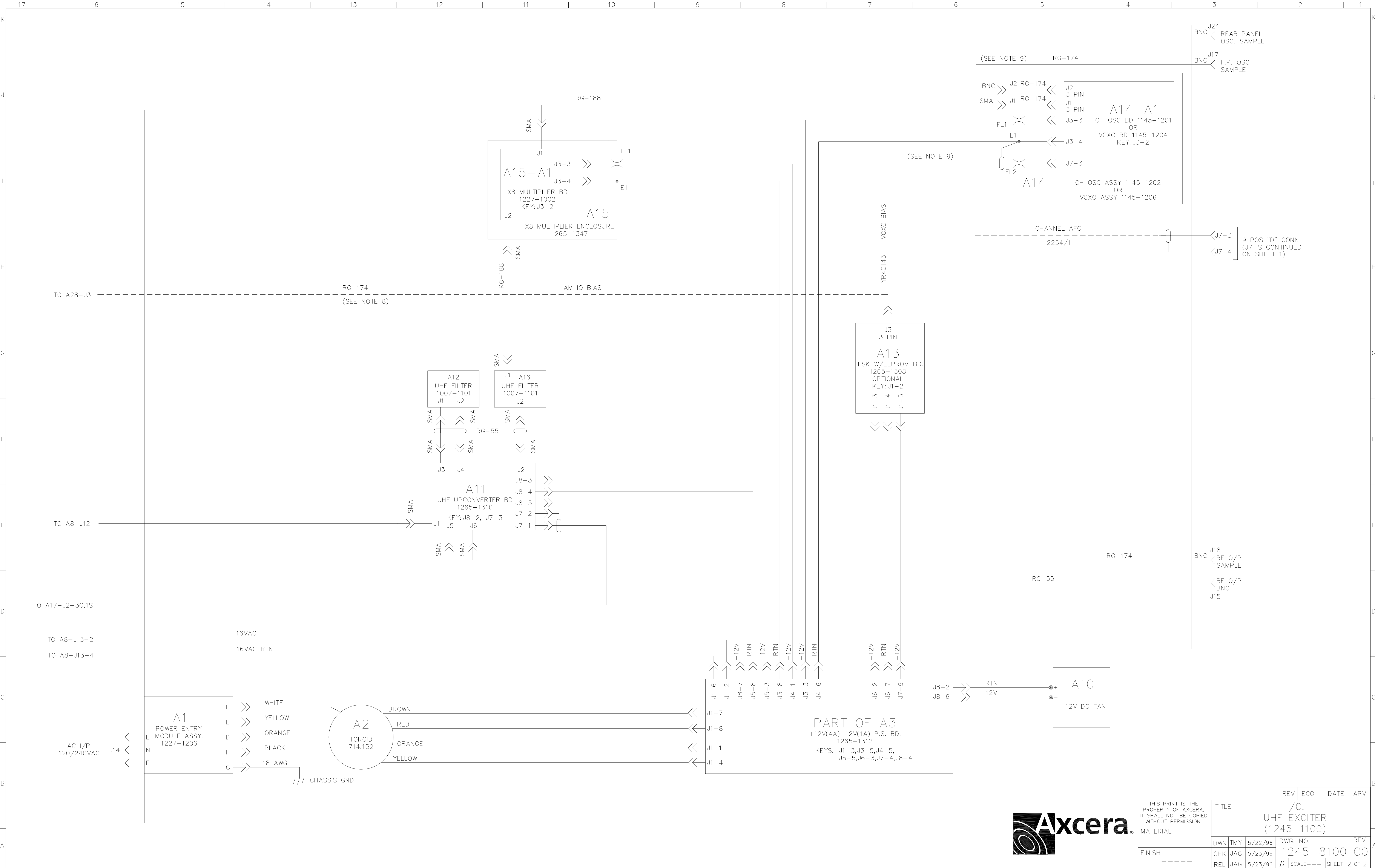
1 [9317] 3/16/98 RE

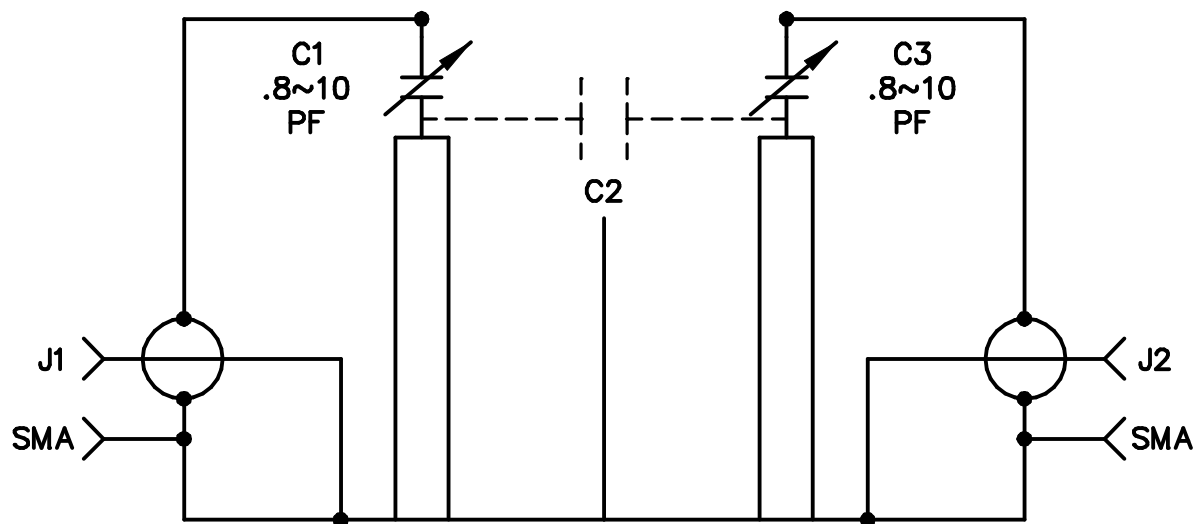
REV ECO DATE APV



|                                                                                  |  |                                 |  |                                    |  |
|----------------------------------------------------------------------------------|--|---------------------------------|--|------------------------------------|--|
| THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION. |  | TITLE                           |  | I/C, UHF EXCITER (1245-1100)       |  |
|                                                                                  |  | MATERIAL                        |  | DWN TMY 5/22/96 DWG. NO. 1245-8100 |  |
| FINISH                                                                           |  | CHK JAG 5/23/96 REL JAG 5/23/96 |  | REV C0                             |  |
|                                                                                  |  | SCALE                           |  | SHEET 1 OF 2                       |  |

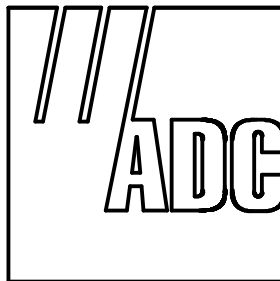






NOTE: C2 IS STRAY CAPACITANCE  
BETWEEN LINE SECTIONS.

| REV | ECO | DATE | APV |
|-----|-----|------|-----|
|-----|-----|------|-----|



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MATERIAL

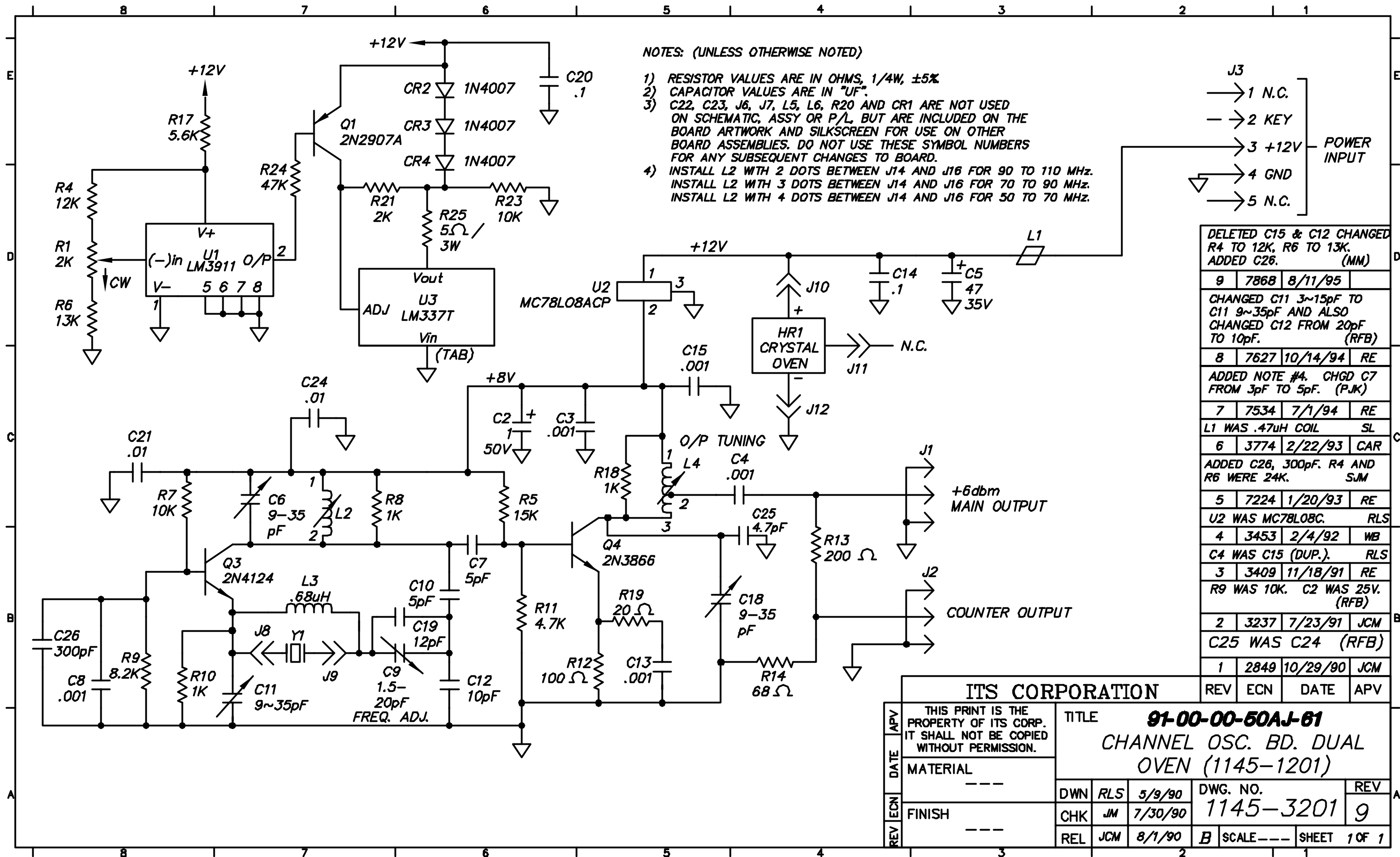
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FINISH

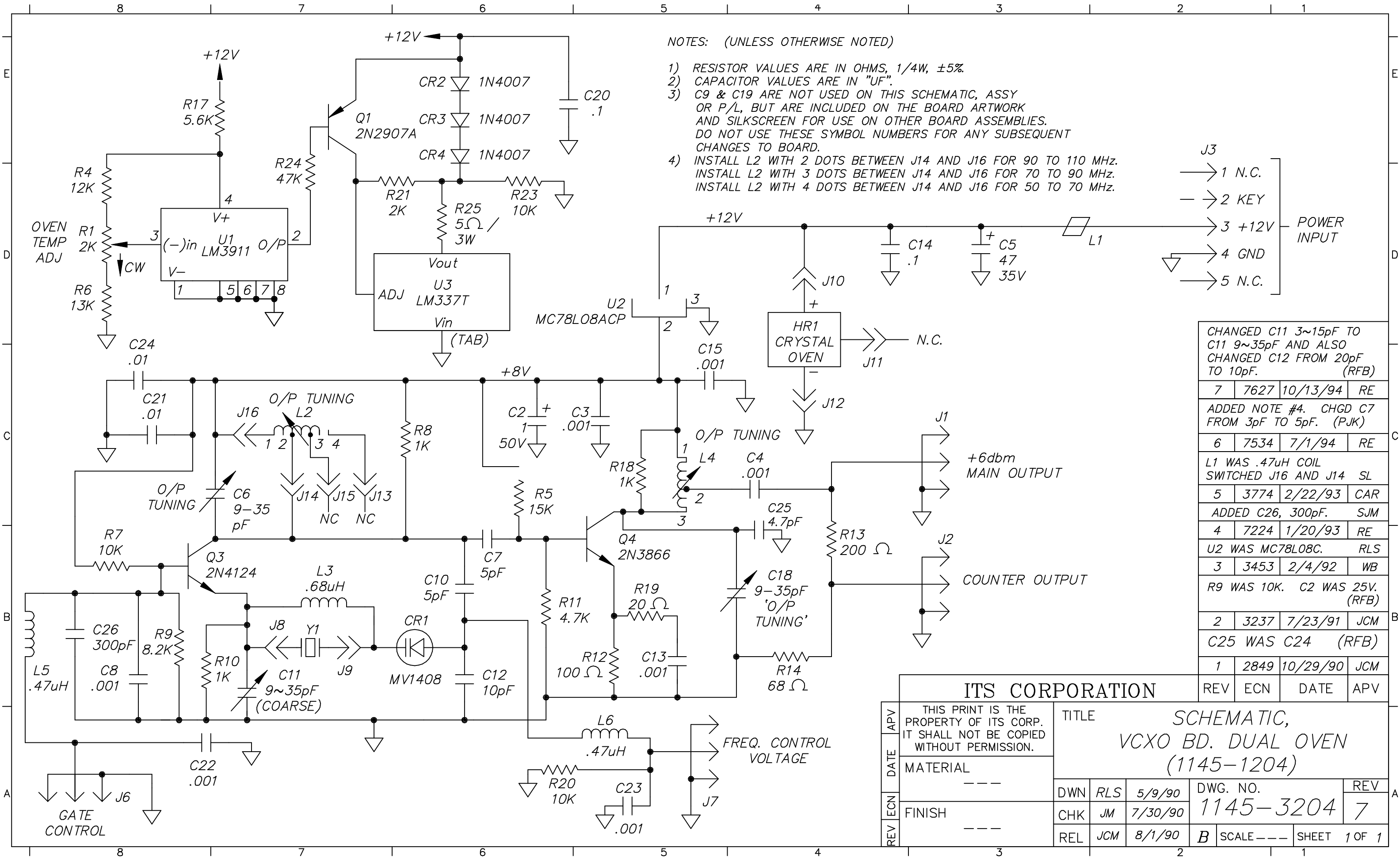
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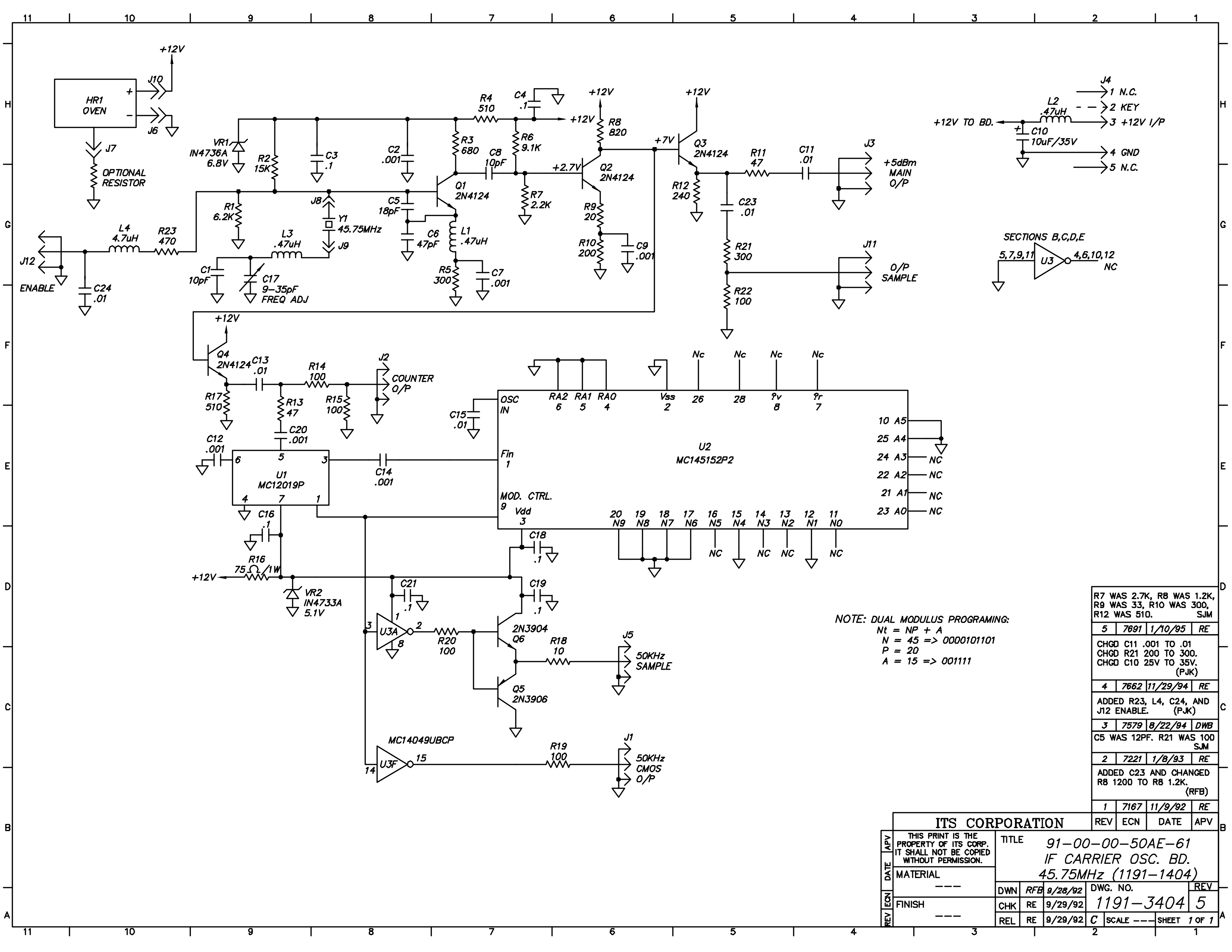
TITLE **91-00-00-50Z-61**  
UHF FILTER

| DWN | DD  | 9/13/83 | DWG. NO.    | REV          |
|-----|-----|---------|-------------|--------------|
| CHK | RWZ | 9/13/83 | 1007-3101   | 0            |
| REL | RWZ | 7/20/90 | A SCALE --- | SHEET 1 OF 1 |







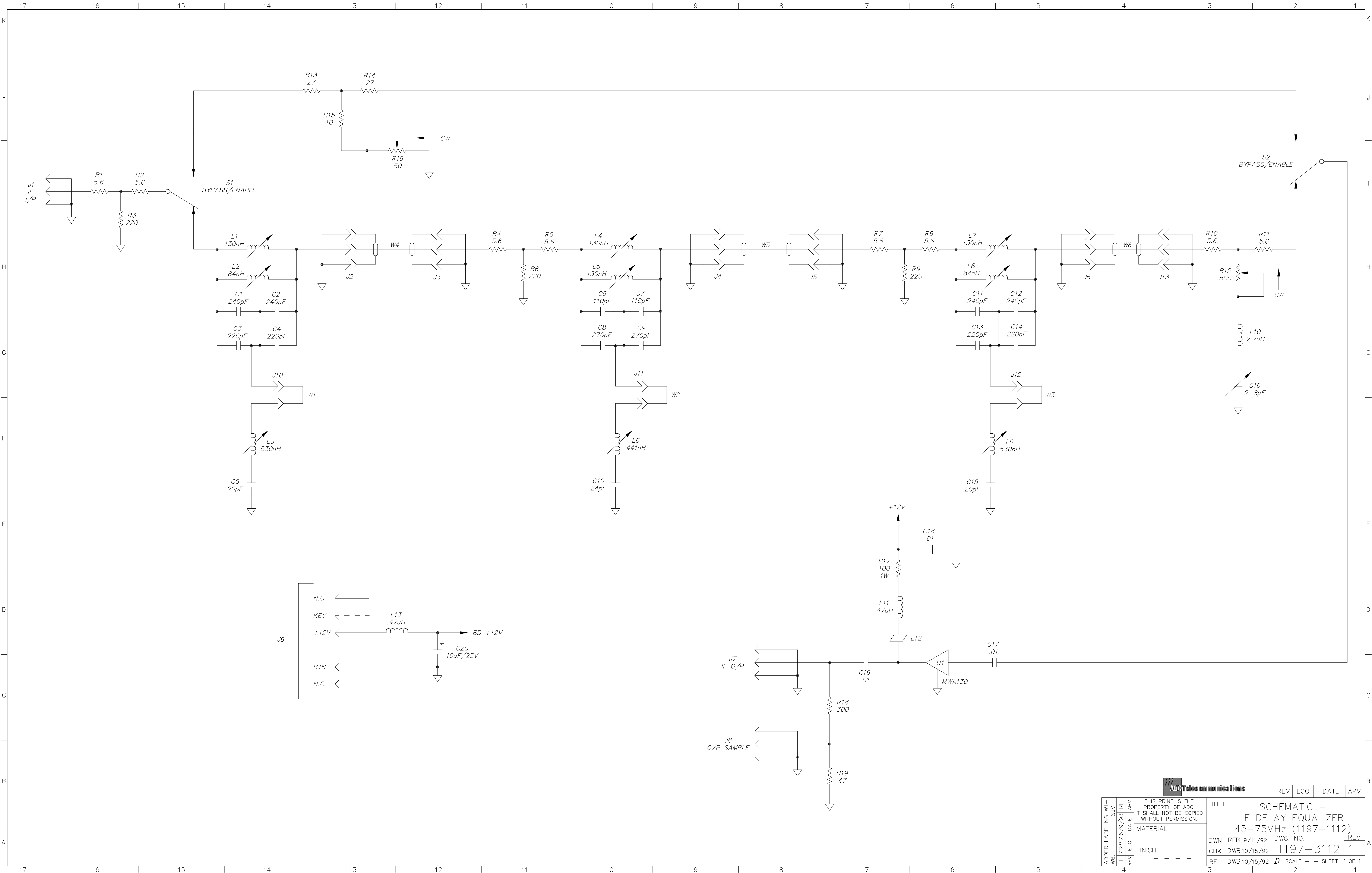


NOTE: DUAL MODULUS PROGRAMMING:  
Nt = NP + A  
N = 45 => 0000101101  
P = 20  
A = 15 => 001111

|                                                                               |      |          |     |
|-------------------------------------------------------------------------------|------|----------|-----|
| R7 WAS 2.7K, R8 WAS 1.2K,<br>R9 WAS 33, R10 WAS 300,<br>R12 WAS 510. SJM      |      |          |     |
| 5                                                                             | 7691 | 1/10/95  | RE  |
| CHGD C11 .001 TO .01<br>CHGD R21 200 TO 300.<br>CHGD C10 25V TO 35V.<br>(PJK) |      |          |     |
| 4                                                                             | 7662 | 11/29/94 | RE  |
| ADDED R23, L4, C24, AND<br>J12 ENABLE. (PJK)                                  |      |          |     |
| 3                                                                             | 7579 | 8/22/94  | DWB |
| C5 WAS 12PF. R21 WAS 100<br>SJM                                               |      |          |     |
| 2                                                                             | 7221 | 1/8/93   | RE  |
| ADDED C23 AND CHANGED<br>R8 1200 TO R8 1.2K.<br>(RFB)                         |      |          |     |
| 1                                                                             | 7167 | 11/9/92  | RE  |

| ITS CORPORATION                                                                             |  |  |  | REV                                                                   | ECN | DATE    | APV       |
|---------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------|-----|---------|-----------|
| THIS PRINT IS THE<br>PROPERTY OF ITS CORP.<br>IT SHALL NOT BE COPIED<br>WITHOUT PERMISSION. |  |  |  | TITLE 91-00-00-50AE-61<br>IF CARRIER OSC. BD.<br>45.75MHz (1191-1404) |     |         |           |
|                                                                                             |  |  |  | MATERIAL ---                                                          |     |         |           |
| FINISH ---                                                                                  |  |  |  | DWN                                                                   | RFB | 9/28/92 | DWG. NO.  |
|                                                                                             |  |  |  | CHK                                                                   | RE  | 9/29/92 | 1191-3404 |
| REL                                                                                         |  |  |  | REL                                                                   | RE  | 9/29/92 | C         |
|                                                                                             |  |  |  | SCALE --- SHEET 1 OF 1                                                |     |         |           |





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MATERIAL

FINISH

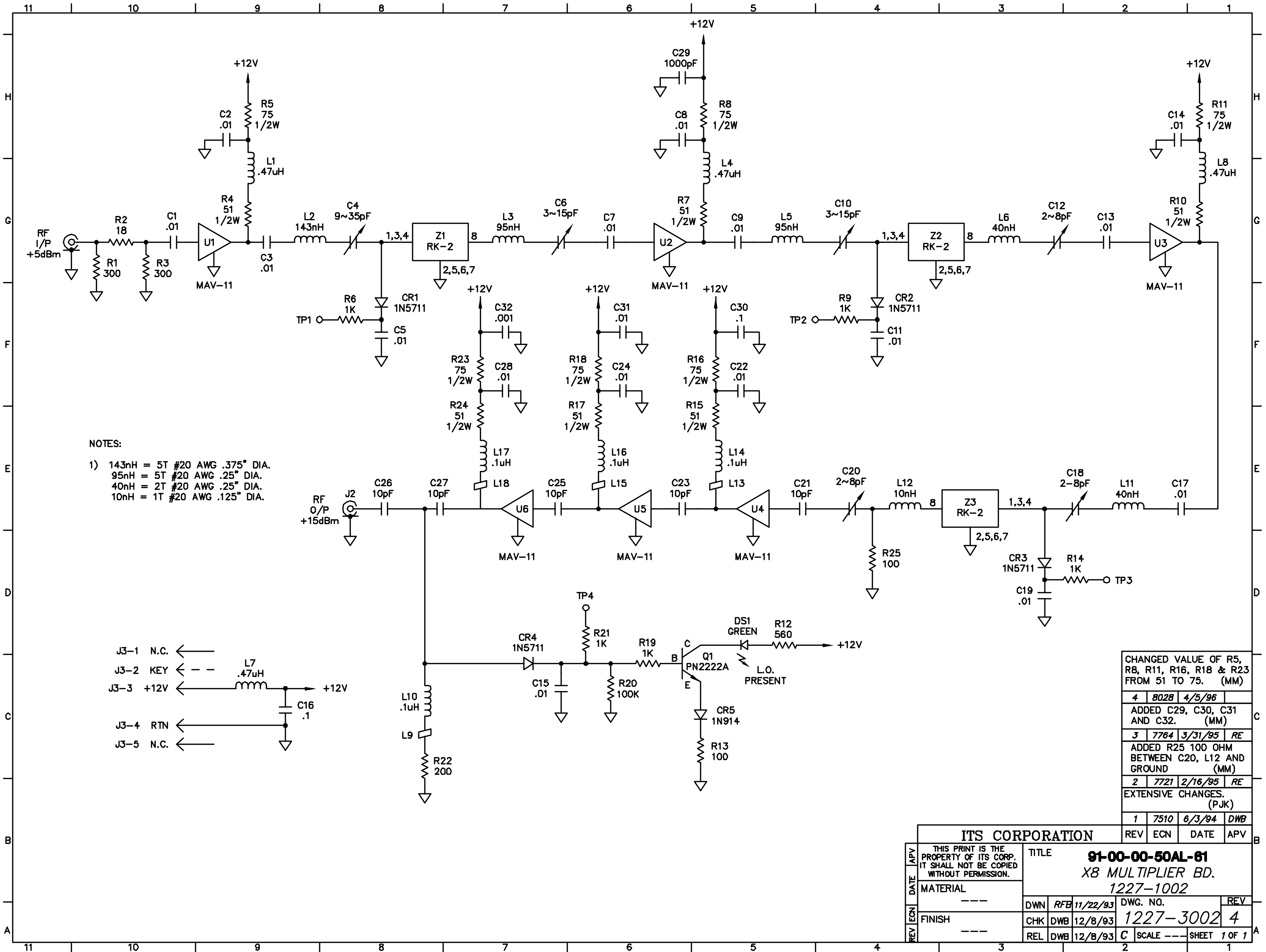
TITLE  
SCHEMATIC -  
IF DELAY EQUALIZER  
45-75MHz (1197-1112)

DWN RFB 9/11/92 DWG. NO. 1197-3112

CHK DWB 10/15/92 REL DWB 10/15/92

SCALE -- SHEET 1 OF 1



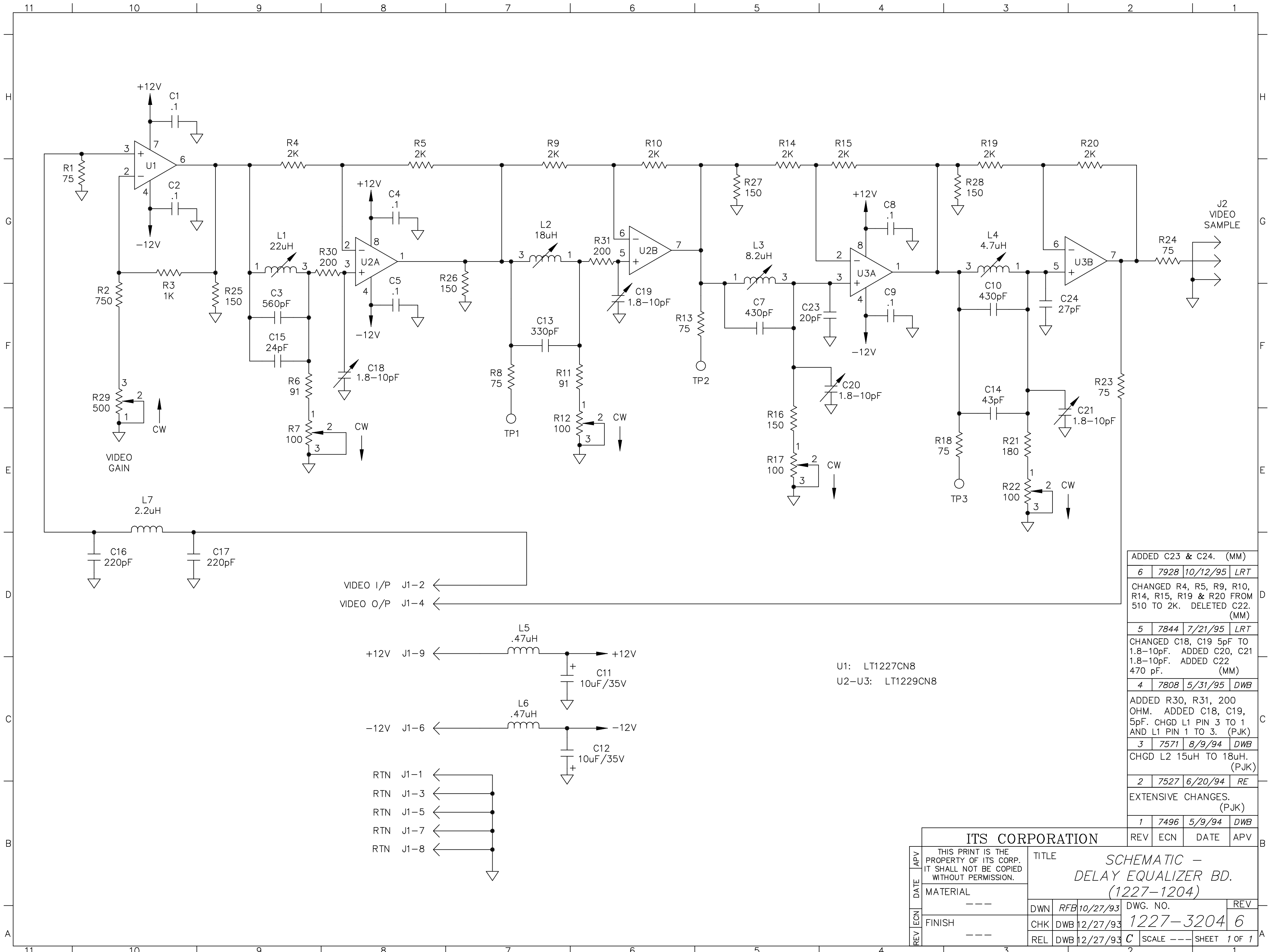


NOTES:  
1) 143nH = 5T #20 AWG .375" DIA.  
95nH = 5T #20 AWG .25" DIA.  
40nH = 2T #20 AWG .25" DIA.  
10nH = 1T #20 AWG .125" DIA.

J3-1 N.C. ←  
J3-2 KEY ← --  
J3-3 +12V ← L7 .47uH  
J3-4 RTN ←  
J3-5 N.C. ←

|                                                                  |      |         |     |
|------------------------------------------------------------------|------|---------|-----|
| CHANGED VALUE OF R5, R8, R11, R16, R18 & R23 FROM 51 TO 75. (MM) |      |         |     |
| 4                                                                | 8028 | 4/5/96  |     |
| ADDED C29, C30, C31 AND C32. (MM)                                |      |         |     |
| 3                                                                | 7764 | 3/31/95 | RE  |
| ADDED R25 100 OHM BETWEEN C20, L12 AND GROUND (MM)               |      |         |     |
| 2                                                                | 7721 | 2/16/95 | RE  |
| EXTENSIVE CHANGES. (PJK)                                         |      |         |     |
| 1                                                                | 7510 | 6/3/94  | DWB |

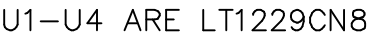
| ITS CORPORATION   |      |                    |     |
|-------------------|------|--------------------|-----|
| REV               | ECN  | DATE               | APV |
| 1                 | 7510 | 6/3/94             | DWB |
| TITLE             |      |                    |     |
| 91-00-00-50AL-61  |      |                    |     |
| X8 MULTIPLIER BD. |      |                    |     |
| 1227-1002         |      |                    |     |
| MATERIAL          |      | DWN RFB 11/22/93   |     |
| FINISH            |      | CHK DWB 12/8/93    |     |
|                   |      | REL DWB 12/8/93    |     |
|                   |      | DWG. NO. 1227-3002 |     |
|                   |      | REV 4              |     |
|                   |      | SCALE ---          |     |
|                   |      | SHEET 1 OF 1       |     |



|                                                                                           |      |          |     |
|-------------------------------------------------------------------------------------------|------|----------|-----|
| ADDED C23 & C24. (MM)                                                                     |      |          |     |
| 6                                                                                         | 7928 | 10/12/95 | LRT |
| CHANGED R4, R5, R9, R10, R14, R15, R19 & R20 FROM 510 TO 2K. DELETED C22. (MM)            |      |          |     |
| 5                                                                                         | 7844 | 7/21/95  | LRT |
| CHANGED C18, C19 5pF TO 1.8-10pF. ADDED C20, C21 1.8-10pF. ADDED C22 470 pF. (MM)         |      |          |     |
| 4                                                                                         | 7808 | 5/31/95  | DWB |
| ADDED R30, R31, 200 OHM. ADDED C18, C19, 5pF. CHGD L1 PIN 3 TO 1 AND L1 PIN 1 TO 3. (PJK) |      |          |     |
| 3                                                                                         | 7571 | 8/9/94   | DWB |
| CHGD L2 15uH TO 18uH. (PJK)                                                               |      |          |     |
| 2                                                                                         | 7527 | 6/20/94  | RE  |
| EXTENSIVE CHANGES. (PJK)                                                                  |      |          |     |
| 1                                                                                         | 7496 | 5/9/94   | DWB |

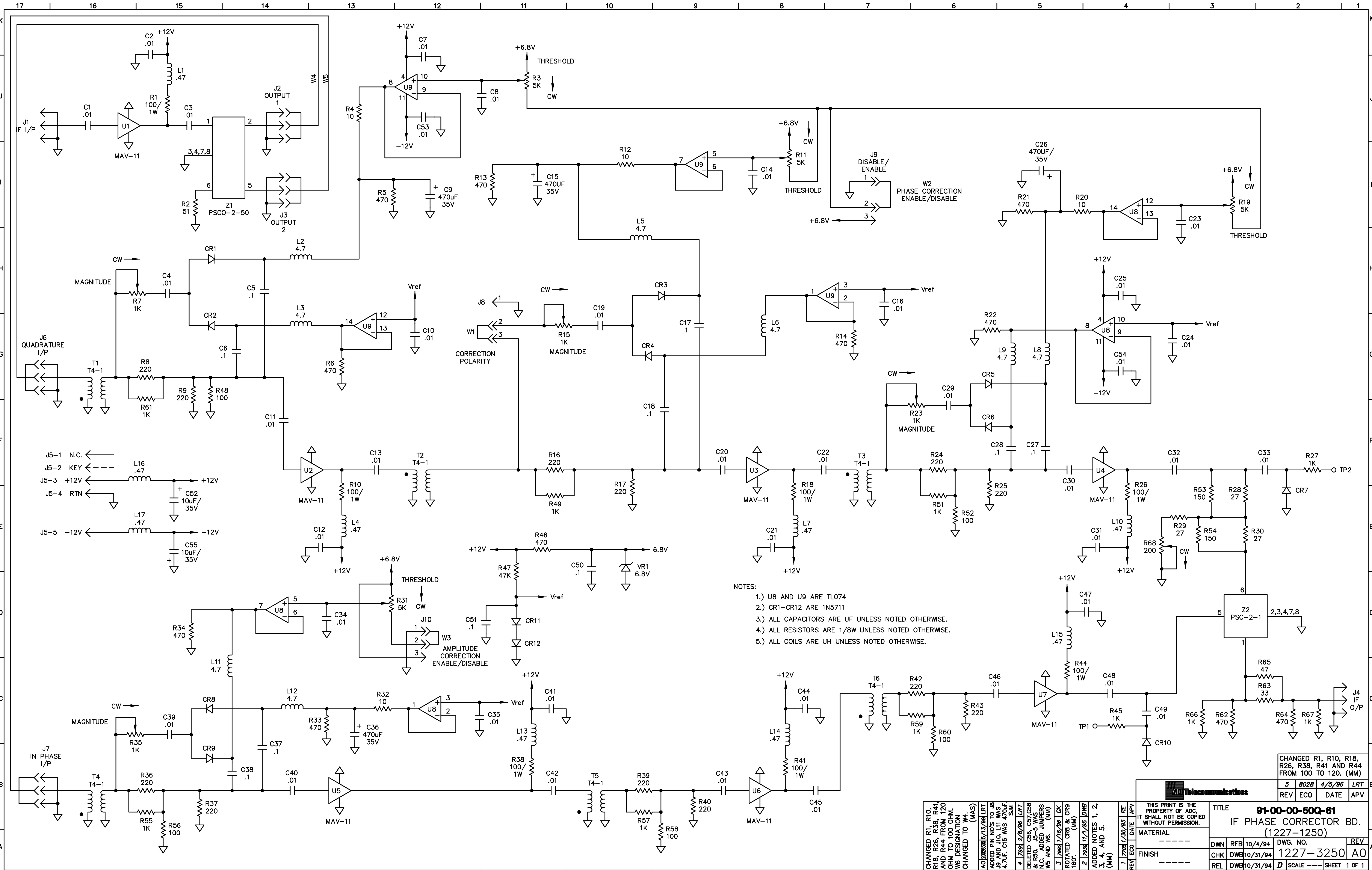
U1: LT1227CN8  
U2-U3: LT1229CN8

|                                                                                    |     |      |     |                                                            |     |          |          |
|------------------------------------------------------------------------------------|-----|------|-----|------------------------------------------------------------|-----|----------|----------|
| ITS CORPORATION                                                                    |     |      |     | REV                                                        | ECN | DATE     | APV      |
| THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION. |     |      |     | TITLE<br>SCHEMATIC -<br>DELAY EQUALIZER BD.<br>(1227-1204) |     |          |          |
| MATERIAL<br>---                                                                    |     |      |     | DWN                                                        | RFB | 10/27/93 | REV<br>6 |
| FINISH<br>---                                                                      |     |      |     | CHK                                                        | DWB | 12/27/93 |          |
| REV                                                                                | ECN | DATE | APV | REL                                                        | DWB | 12/27/93 | C        |
| SCALE ---                                                                          |     |      |     | SHEET 1 OF 1                                               |     |          |          |



|                                                                                             |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |                                                                                                                                   |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |                                                            |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|
| R2 WAS 510 OHMS.<br>R33 WAS 2.2K. (PJK)                                                     |  |  |  |  |  |  |  |  |  | JAG             |  |  |  |  |  |  |  |  |  | ADDED R42 TO U4B<br>PIN 5. CHGD R33 TO<br>2.2K. R32 TO 2K.<br>ADDED pF TO C30<br>AND C31. ADDED U1<br>-U4 ARE LT1229CN8.<br>(PJK) |  |  |  |  |  |  |  |  |  | DWB   |  |  |  |  |  |  |  |  |  | 7597 9/6/94                                                |  |  |  |  |  |  |  |  |  | DATE         |  |  |  |  |  |  |  |  |  | APV     |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
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|                                                                                             |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |                                                                                                                                   |  |  |  |  |  |  |  |  |  | DWN   |  |  |  |  |  |  |  |  |  |                                                            |  |  |  |  |  |  |  |  |  | RFB          |  |  |  |  |  |  |  |  |  | 7/11/94 |  |  |  |  |  |  |  |  |  | DWG. NO.  |  |  |  |  |  |  |  |  |  | REV |  |  |  |  |  |  |  |  |  |
|                                                                                             |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |                                                                                                                                   |  |  |  |  |  |  |  |  |  | CHK   |  |  |  |  |  |  |  |  |  |                                                            |  |  |  |  |  |  |  |  |  | DWB          |  |  |  |  |  |  |  |  |  | 7/14/94 |  |  |  |  |  |  |  |  |  | 1227-3244 |  |  |  |  |  |  |  |  |  | 2   |  |  |  |  |  |  |  |  |  |
| REL                                                                                         |  |  |  |  |  |  |  |  |  | DWB             |  |  |  |  |  |  |  |  |  | 7/14/94                                                                                                                           |  |  |  |  |  |  |  |  |  | C     |  |  |  |  |  |  |  |  |  | SCALE ---                                                  |  |  |  |  |  |  |  |  |  | SHEET 1 OF 1 |  |  |  |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |

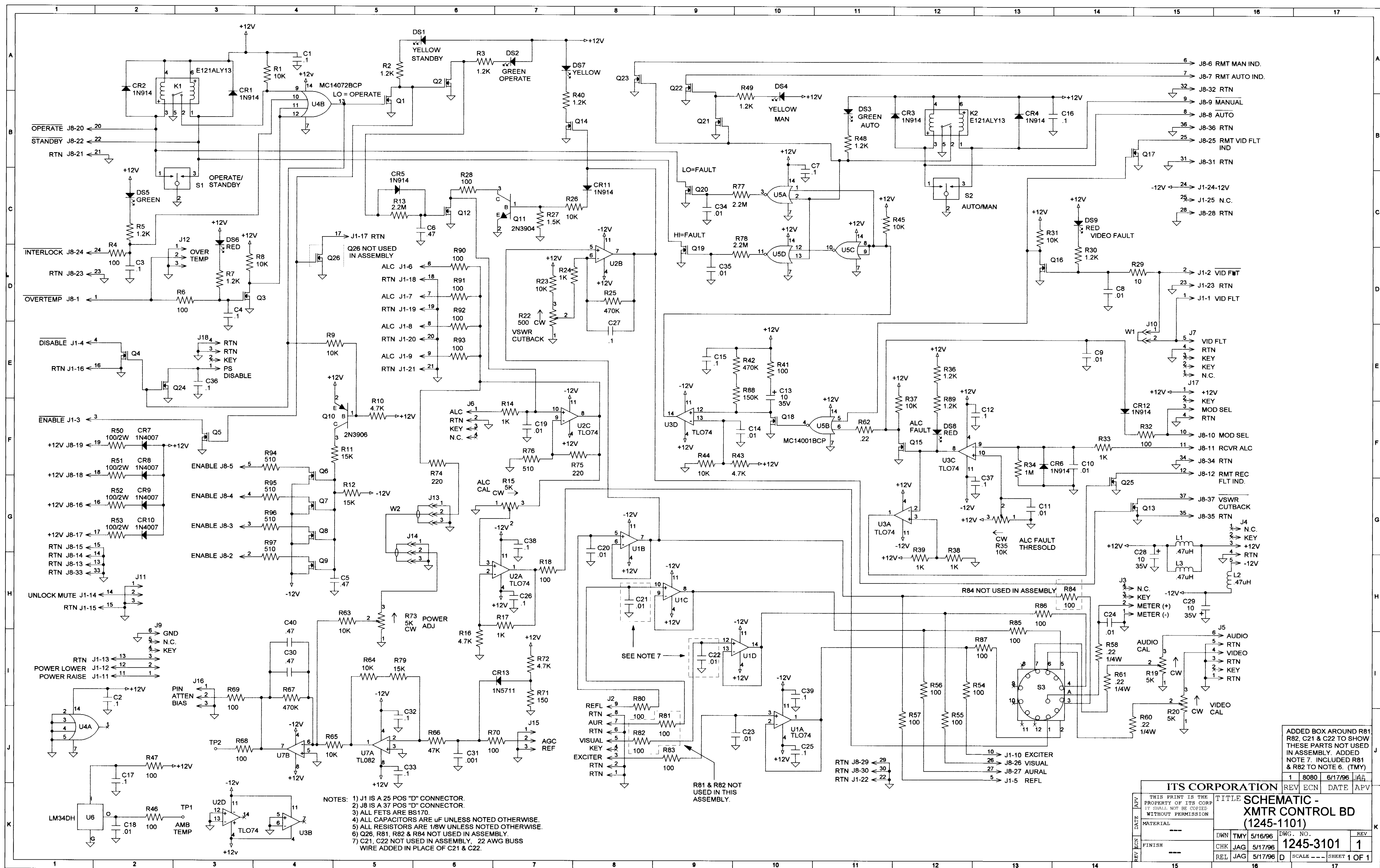




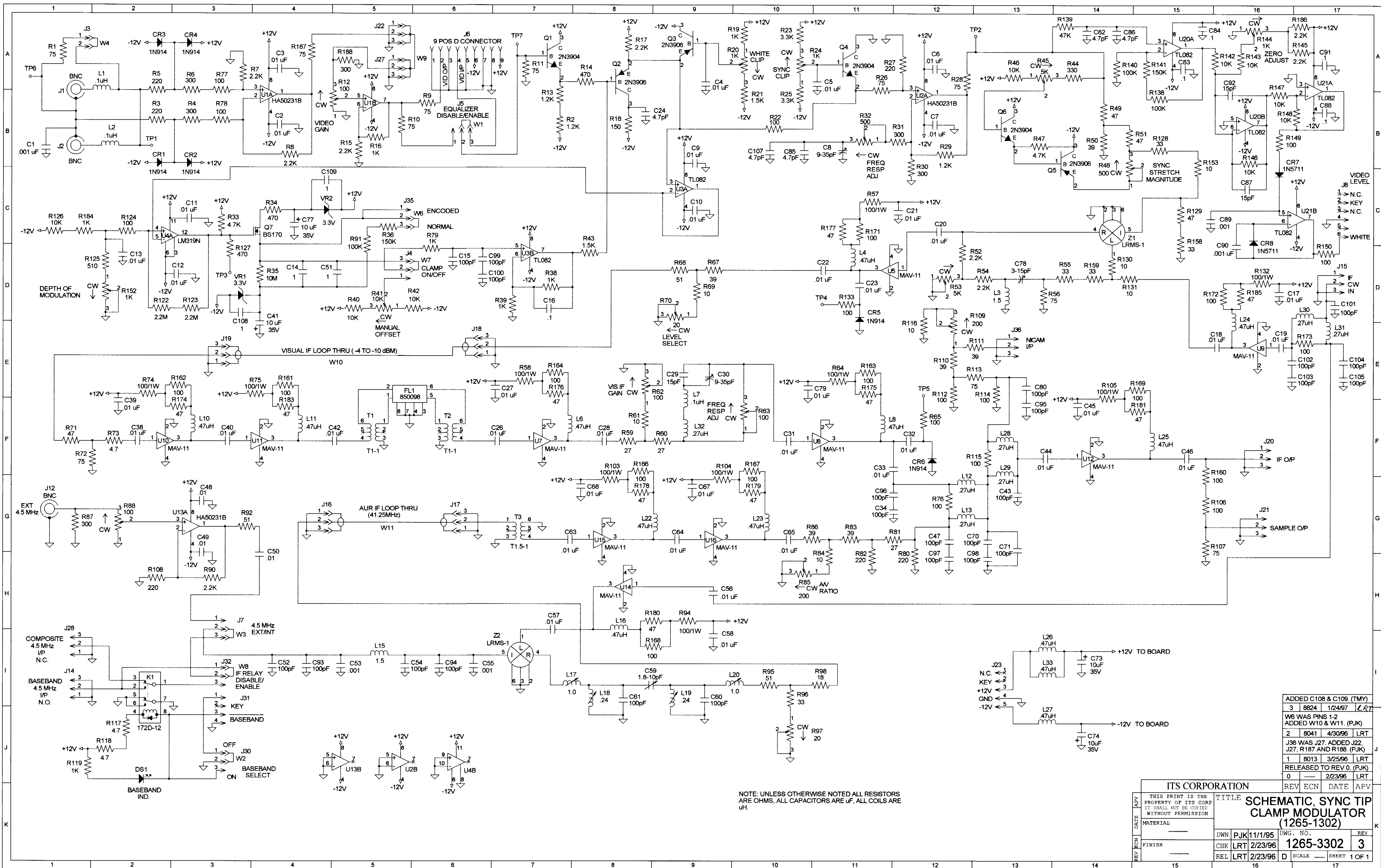
- NOTES:
- 1.) U8 AND U9 ARE TL074
  - 2.) CR1-CR12 ARE 1N5711
  - 3.) ALL CAPACITORS ARE UF UNLESS NOTED OTHERWISE.
  - 4.) ALL RESISTORS ARE 1/8W UNLESS NOTED OTHERWISE.
  - 5.) ALL COILS ARE UH UNLESS NOTED OTHERWISE.

|                                                                                                          |  |  |  |                      |  |  |  |                                                                    |  |  |  |                    |  |  |  |                                                                          |  |  |  |                    |  |  |  |                              |  |  |  |                     |  |  |  |                                     |  |  |  |                    |  |  |  |                  |  |  |  |                                                                               |  |  |  |          |  |  |  |        |  |  |  |       |  |  |  |                 |  |  |  |                                    |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |         |  |  |  |          |  |  |  |           |  |  |  |    |  |  |  |     |  |  |  |     |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |        |  |  |  |
|----------------------------------------------------------------------------------------------------------|--|--|--|----------------------|--|--|--|--------------------------------------------------------------------|--|--|--|--------------------|--|--|--|--------------------------------------------------------------------------|--|--|--|--------------------|--|--|--|------------------------------|--|--|--|---------------------|--|--|--|-------------------------------------|--|--|--|--------------------|--|--|--|------------------|--|--|--|-------------------------------------------------------------------------------|--|--|--|----------|--|--|--|--------|--|--|--|-------|--|--|--|-----------------|--|--|--|------------------------------------|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|---------|--|--|--|----------|--|--|--|-----------|--|--|--|----|--|--|--|-----|--|--|--|-----|--|--|--|----------|--|--|--|-------|--|--|--|-------|--|--|--|--------|--|--|--|
| CHANGED R1, R10, R18, R26, R38, R41 AND R44 FROM 120 OHM TO 100 OHM. W6 DESIGNATION CHANGED TO W4. (MAS) |  |  |  | A0 17991 1/13/96 LRT |  |  |  | ADDED PIN NOS TO J8, J9 AND J10. L11 WAS 470UF. C15 WAS 470UF. SUM |  |  |  | 4 17991 2/9/96 LRT |  |  |  | DELETED C56, C57, C58 & R50. J5-5 WAS N.C. ADDED JUMPERS W5 AND W6. (MM) |  |  |  | 3 17991 1/16/96 LK |  |  |  | ROTATED CR8 & CR9 180°. (MM) |  |  |  | 2 17991 1/17/95 DWB |  |  |  | ADDED NOTES 1, 2, 3, 4, AND 5. (MM) |  |  |  | 1 17769 1/30/95 RE |  |  |  | REV ECO DATE APV |  |  |  | THIS PRINT IS THE PROPERTY OF ADG. IT SHALL NOT BE COPIED WITHOUT PERMISSION. |  |  |  | MATERIAL |  |  |  | FINISH |  |  |  | TITLE |  |  |  | 91-00-00-50Q-61 |  |  |  | IF PHASE CORRECTOR BD. (1227-1250) |  |  |  | REV |  |  |  | DWN |  |  |  | RFB |  |  |  | 10/4/94 |  |  |  | DWG. NO. |  |  |  | 1227-3250 |  |  |  | A0 |  |  |  | REL |  |  |  | DWB |  |  |  | 10/31/94 |  |  |  | SCALE |  |  |  | SHEET |  |  |  | 1 OF 1 |  |  |  |
|----------------------------------------------------------------------------------------------------------|--|--|--|----------------------|--|--|--|--------------------------------------------------------------------|--|--|--|--------------------|--|--|--|--------------------------------------------------------------------------|--|--|--|--------------------|--|--|--|------------------------------|--|--|--|---------------------|--|--|--|-------------------------------------|--|--|--|--------------------|--|--|--|------------------|--|--|--|-------------------------------------------------------------------------------|--|--|--|----------|--|--|--|--------|--|--|--|-------|--|--|--|-----------------|--|--|--|------------------------------------|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|---------|--|--|--|----------|--|--|--|-----------|--|--|--|----|--|--|--|-----|--|--|--|-----|--|--|--|----------|--|--|--|-------|--|--|--|-------|--|--|--|--------|--|--|--|







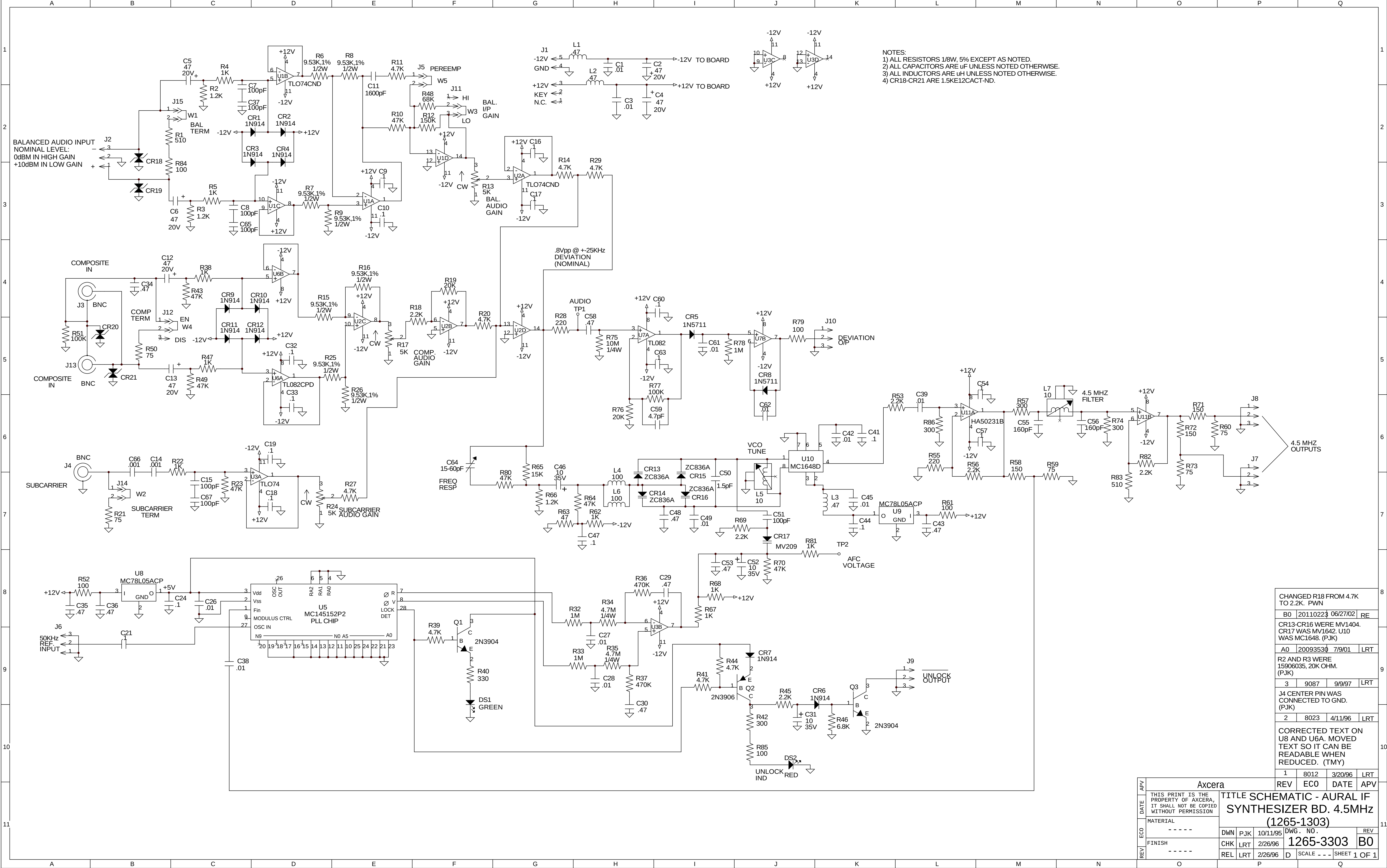


NOTE: UNLESS OTHERWISE NOTED ALL RESISTORS ARE OHMS, ALL CAPACITORS ARE uF, ALL COILS ARE uH.

|                           |      |         |     |
|---------------------------|------|---------|-----|
| ADDED C108 & C109. (TMY)  |      |         |     |
| 3                         | 8824 | 1/24/97 | LRT |
| W6 WAS PINS 1-2           |      |         |     |
| ADDED W10 & W11. (PJK)    |      |         |     |
| 2                         | 8041 | 4/30/96 | LRT |
| J36 WAS J27. ADDED J22.   |      |         |     |
| J27, R187 AND R188. (PJK) |      |         |     |
| 1                         | 8013 | 3/25/96 | LRT |
| RELEASED TO REV 0. (PJK)  |      |         |     |
| 0                         |      | 2/23/96 | LRT |

| ITS CORPORATION                                                                   |  |  |  |                                                          | REV |     | ECN |         | DATE |           | APV |                          |  |
|-----------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------|-----|-----|-----|---------|------|-----------|-----|--------------------------|--|
| THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION |  |  |  | TITLE<br>SCHEMATIC, SYNC TIP CLAMP MODULATOR (1265-1302) |     |     |     |         |      |           |     |                          |  |
| MATERIAL                                                                          |  |  |  |                                                          |     |     |     |         |      |           |     |                          |  |
| _____                                                                             |  |  |  | DWN                                                      |     | PJK |     | 11/1/95 |      | DWG. NO.  |     | REV                      |  |
| FINISH                                                                            |  |  |  | CHK                                                      |     | LRT |     | 2/23/96 |      | 1265-3302 |     | 3                        |  |
| _____                                                                             |  |  |  | REL                                                      |     | LRT |     | 2/23/96 |      | D         |     | SCALE _____ SHEET 1 OF 1 |  |
| 15                                                                                |  |  |  | 16                                                       |     | 17  |     |         |      |           |     |                          |  |



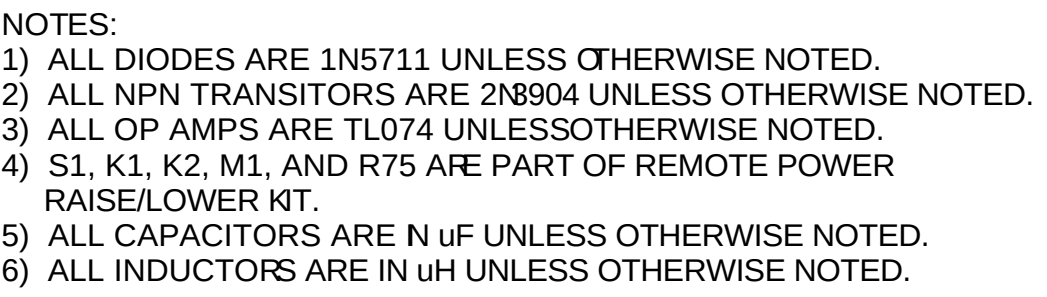


NOTES:  
1) ALL RESISTORS 1/8W, 5% EXCEPT AS NOTED.  
2) ALL CAPACITORS ARE uF UNLESS NOTED OTHERWISE.  
3) ALL INDUCTORS ARE uH UNLESS NOTED OTHERWISE.  
4) CR18-CR21 ARE 1.5KE12CACT-ND.

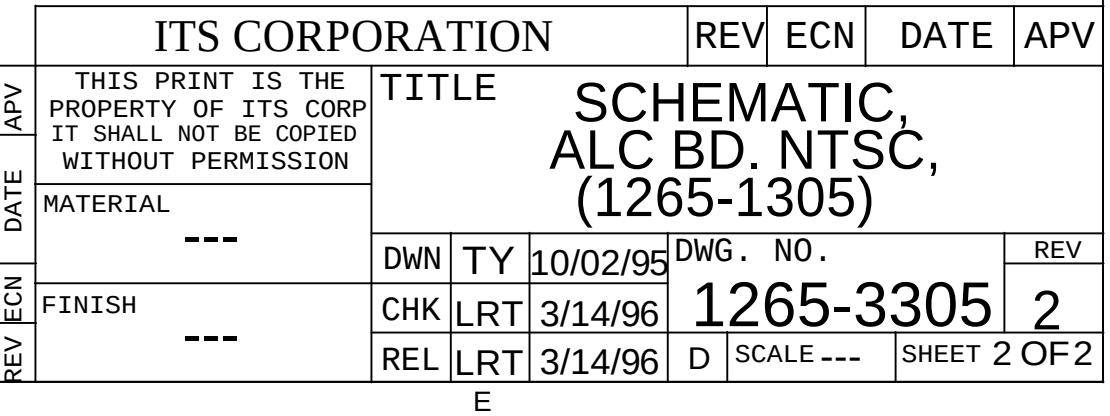
|                                                                                    |          |          |     |
|------------------------------------------------------------------------------------|----------|----------|-----|
| CHANGED R18 FROM 4.7K TO 2.2K. PWN                                                 |          |          |     |
| B0                                                                                 | 20110223 | 06/27/02 | RE  |
| CR13-CR16 WERE MV1404. CR17 WAS MV1642. U10 WAS MC1648. (PJK)                      |          |          |     |
| A0                                                                                 | 20093530 | 7/9/01   | LRT |
| R2 AND R3 WERE 15906035, 20K OHM. (PJK)                                            |          |          |     |
| 3                                                                                  | 9087     | 9/9/97   | LRT |
| J4 CENTER PIN WAS CONNECTED TO GND. (PJK)                                          |          |          |     |
| 2                                                                                  | 8023     | 4/11/96  | LRT |
| CORRECTED TEXT ON U8 AND U6A. MOVED TEXT SO IT CAN BE READABLE WHEN REDUCED. (TMY) |          |          |     |

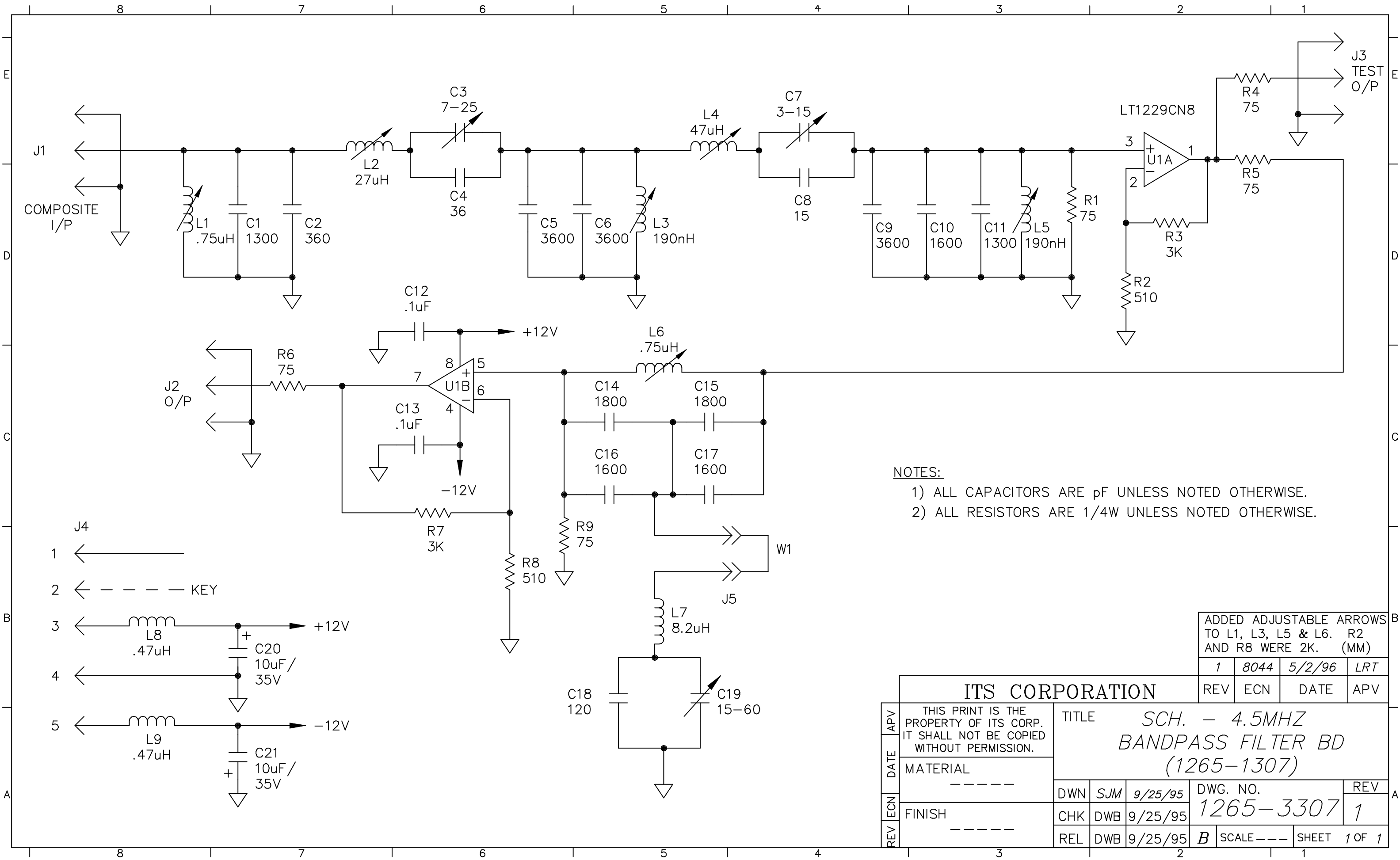
|      |                                                                                  |  |  |                                                               |       |          |           |
|------|----------------------------------------------------------------------------------|--|--|---------------------------------------------------------------|-------|----------|-----------|
| APV  | Xxcera                                                                           |  |  | REV                                                           | ECO   | DATE     | APV       |
| DATE | THIS PRINT IS THE PROPERTY OF AXCCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION |  |  | TITLE SCHEMATIC - AURAL IF SYNTHESIZER BD. 4.5MHZ (1265-1303) |       |          |           |
| ECO  | MATERIAL                                                                         |  |  | DWN                                                           | PJK   | 10/11/95 | DWG. NO.  |
| REV  | FINISH                                                                           |  |  | CHK                                                           | LRT   | 2/26/96  | 1265-3303 |
|      |                                                                                  |  |  | REL                                                           | LRT   | 2/26/96  | D         |
|      |                                                                                  |  |  | SCALE                                                         | - - - | SHEET    | 1 OF 1    |

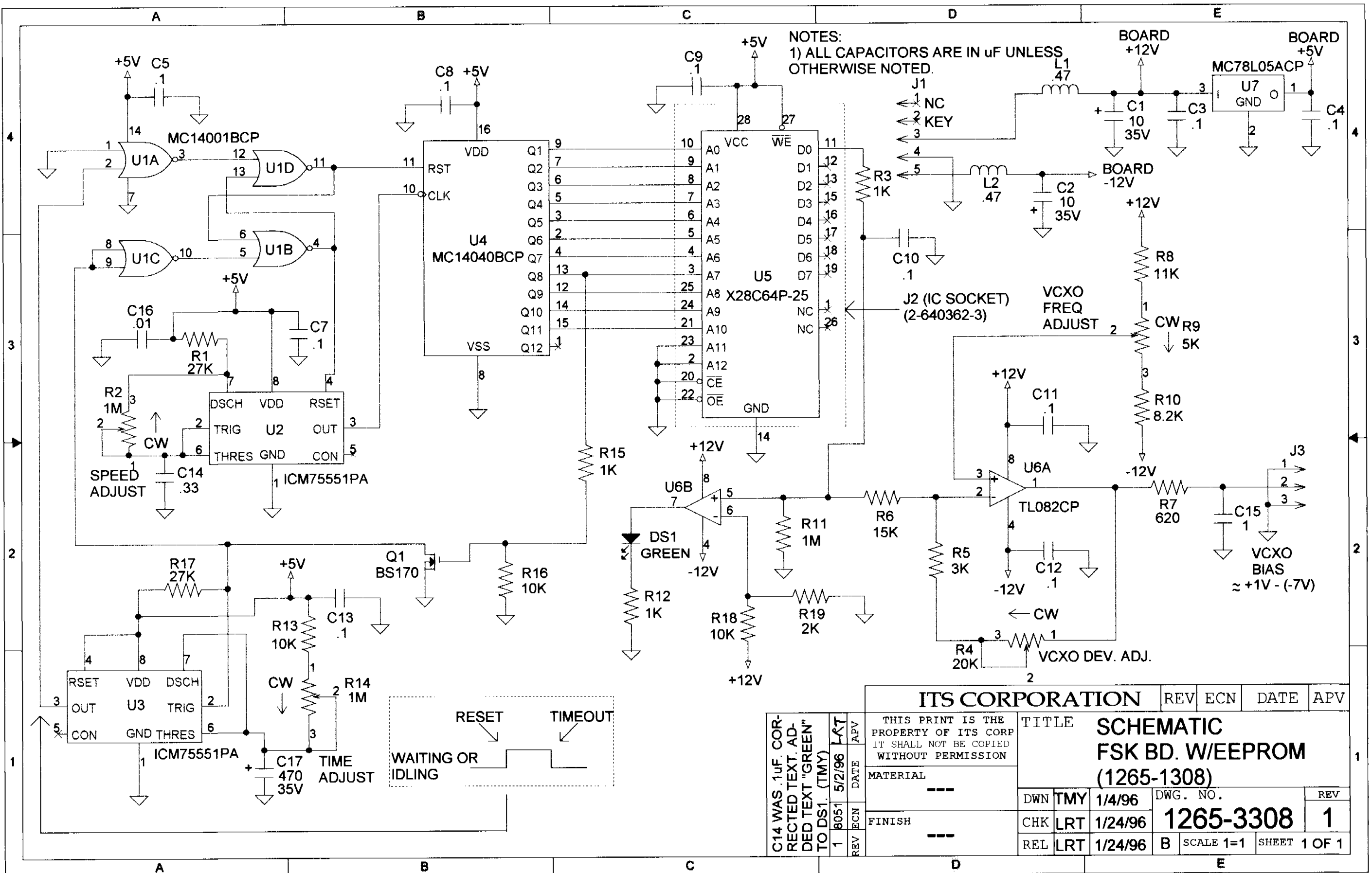








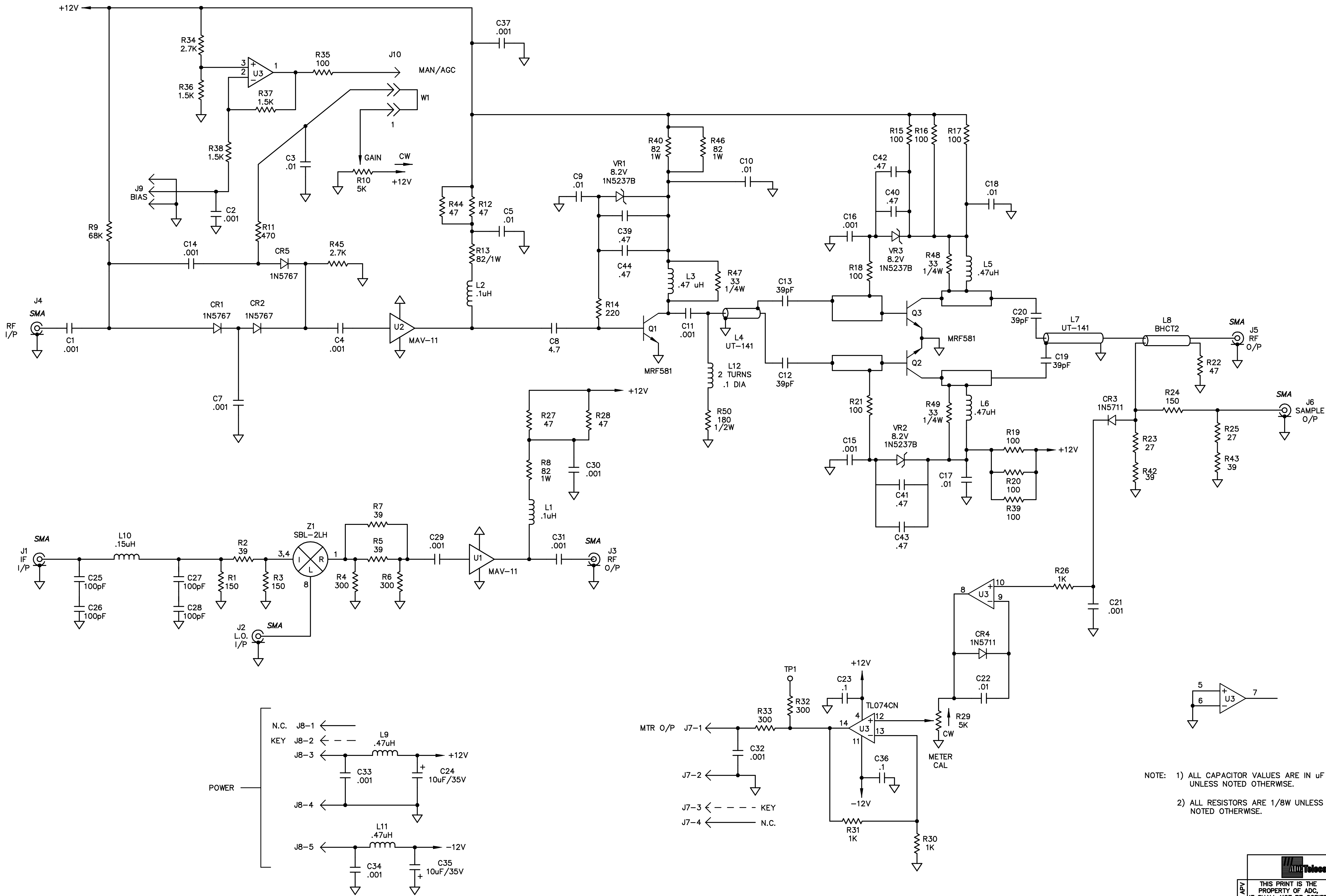




NOTES:  
1) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.

|                                                                                   |  |                                              |     |         |                          |
|-----------------------------------------------------------------------------------|--|----------------------------------------------|-----|---------|--------------------------|
| ITS CORPORATION                                                                   |  | REV                                          | ECN | DATE    | APV                      |
| THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION |  | TITLE SCHEMATIC FSK BD. W/EEPROM (1265-1308) |     |         |                          |
| MATERIAL ---                                                                      |  | DWN                                          | TMY | 1/4/96  | DWG. NO.                 |
| FINISH ---                                                                        |  | CHK                                          | LRT | 1/24/96 | 1265-3308                |
|                                                                                   |  | REL                                          | LRT | 1/24/96 | B SCALE 1=1 SHEET 1 OF 1 |



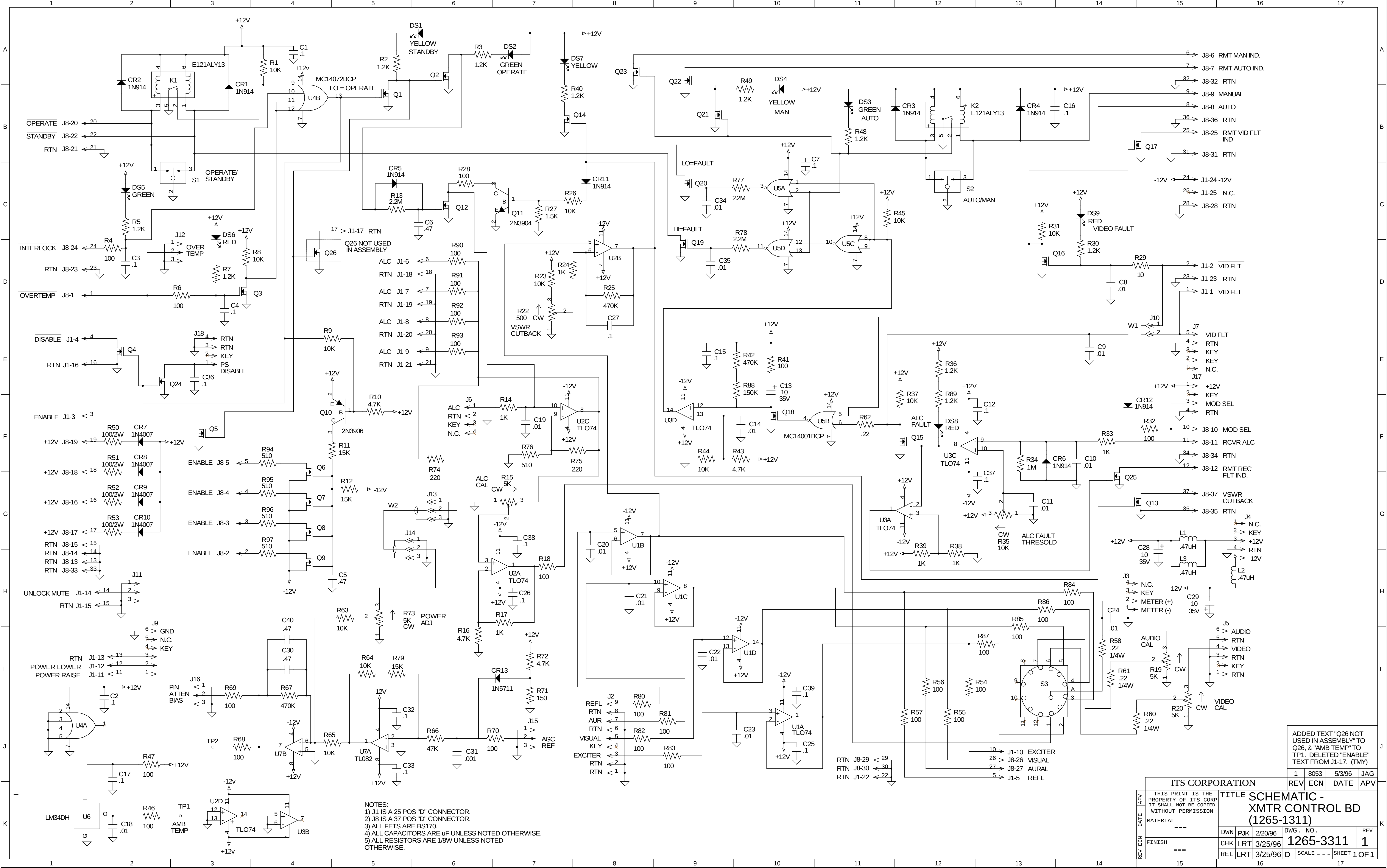


NOTE: 1) ALL CAPACITOR VALUES ARE IN uF UNLESS NOTED OTHERWISE.  
2) ALL RESISTORS ARE 1/8W UNLESS NOTED OTHERWISE.

|                                                                                                            |          |          |     |
|------------------------------------------------------------------------------------------------------------|----------|----------|-----|
| ADDED C42-C44, L12, R47-R50. C39 - C41 WERE 1uF. REMOVED C6 FROM THE OUTPUT OF U2. C8 WAS 3pF. (PJK)       |          |          |     |
| A0                                                                                                         | 20028596 | 6/1/99   | LRT |
| CHANGED C8 FROM 1.8-10pF TO 3pF. ADDED R46 AND DELETED C38. (RFB)                                          |          |          |     |
| 4                                                                                                          | 9279     | 1/23/98  | LTR |
| ADDED IT-5 CY30C105P CAP AT C39. C40 AND C41 IN PARALLEL WITH VR1, VR3 AND VR2. (MAS)                      |          |          |     |
| 3                                                                                                          | 8816     | 1/23/97  | LRT |
| DELETED R41 AND ADDED C38. (RFB)                                                                           |          |          |     |
| 2                                                                                                          | 8635     | 11/18/96 | LRT |
| ADDED "SMA" TO J1-J3, J5, J6. ADDED "uH" TO L1. ADDED "KEY" TO J7-3. "N.C." TO J7-4. C8 WAS .8-10pF. (PJK) |          |          |     |
| 1                                                                                                          | 8035     | 4/11/96  | LRT |

|      |  |                                                                               |  |          |  |                 |  |
|------|--|-------------------------------------------------------------------------------|--|----------|--|-----------------|--|
| APV  |  | THIS PRINT IS THE PROPERTY OF ADC. IT SHALL NOT BE COPIED WITHOUT PERMISSION. |  | TITLE    |  | 91-00-00-50R-61 |  |
| DATE |  | MATERIAL                                                                      |  | DWN      |  | PJK             |  |
| REV  |  | FINISH                                                                        |  | CHK      |  | LRT             |  |
| ECO  |  |                                                                               |  | REL      |  | LRT             |  |
|      |  |                                                                               |  | DWG. NO. |  | 1265-3310       |  |
|      |  |                                                                               |  | SCALE    |  | 1=1             |  |
|      |  |                                                                               |  | SHEET    |  | 1 OF 1          |  |





ADDED TEXT "Q26 NOT USED IN ASSEMBLY" TO Q26, & "AMB TEMP" TO TP1. DELETED "ENABLE" TEXT FROM J1-17. (TMY)

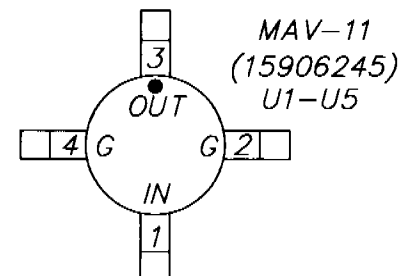
| ITS CORPORATION                               |                                                                                   |         |         |
|-----------------------------------------------|-----------------------------------------------------------------------------------|---------|---------|
| REV                                           | ECN                                                                               | DATE    | APV     |
| 1                                             | 8053                                                                              | 5/3/96  | JAG     |
| TITLE SCHEMATIC - XMTR CONTROL BD (1265-1311) |                                                                                   |         |         |
| APV                                           | THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION |         |         |
| DATE                                          | MATERIAL                                                                          | DWN     | PJK     |
| REV                                           | FINISH                                                                            | CHK     | LRT     |
| 1                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 2                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 3                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 4                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 5                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 6                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 7                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 8                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 9                                             | ---                                                                               | 3/25/96 | 3/25/96 |
| 10                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 11                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 12                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 13                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 14                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 15                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 16                                            | ---                                                                               | 3/25/96 | 3/25/96 |
| 17                                            | ---                                                                               | 3/25/96 | 3/25/96 |



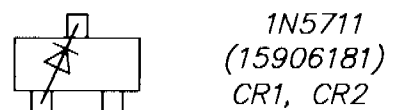


| JUMPERABLE GAIN SETTINGS |       |       |  |
|--------------------------|-------|-------|--|
| IF I/P RANGE             | J4,J5 | J6,J7 |  |
| -11 TO -6 dBm            | LOW   | LOW   |  |
| -16 TO -11 dBm           | LOW   | HIGH  |  |
| -21 TO -16 dBm           | HIGH  | LOW   |  |
| -26 TO -21 dBm           | HIGH  | HIGH  |  |

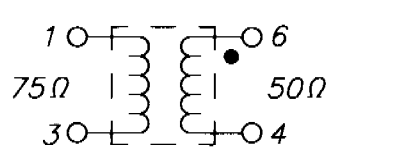
#### MAV-11 PACKAGE REFERENCE



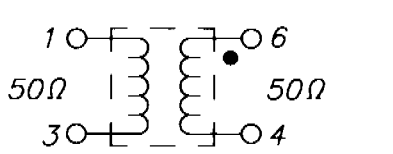
#### SOT-23 PACKAGE REFERENCE



#### TI-5-1 PACKAGE REFERENCE

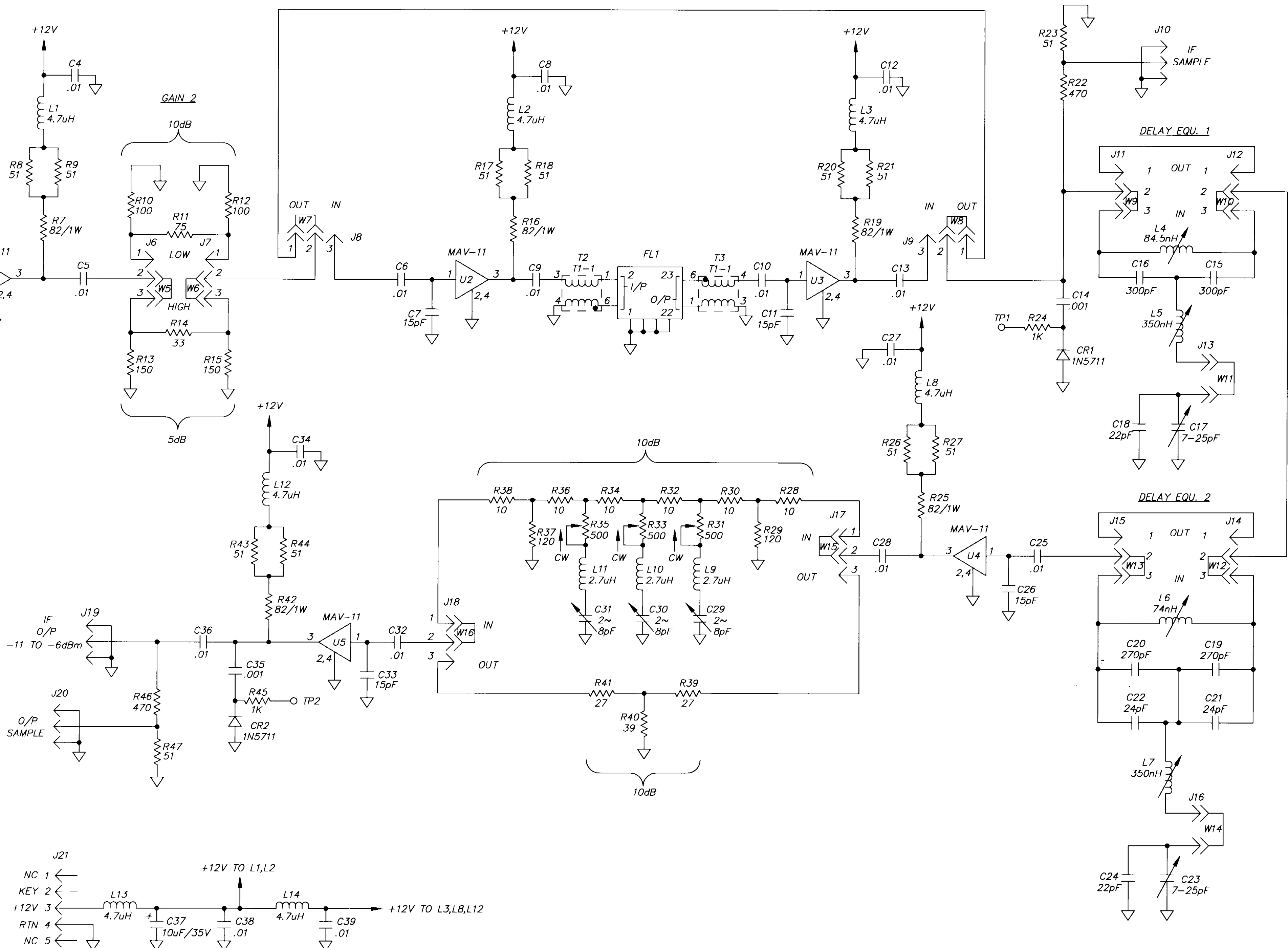


#### TI-1 PACKAGE REFERENCE



#### NOTES:

- 1) ALL CAPACITORS ARE IN MICRO FARADS AND ALL RESISTORS ARE IN OHMS UNLESS NOTED.



| ITS CORPORATION                                                                    |  |  |  | REV                                           | ECN | DATE    | APV       |
|------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------|-----|---------|-----------|
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| MATERIAL                                                                           |  |  |  | SCH, IF I/P EQUALIZER BD., 44 MHZ (1555-1219) |     |         |           |
| FINISH                                                                             |  |  |  | DWN                                           | RCB | 1/3/96  | DWG. NO.  |
|                                                                                    |  |  |  | CHK                                           | BKW | 1/30/96 | 1555-3219 |
|                                                                                    |  |  |  | REL                                           | BKW | 1/30/96 | 1         |
|                                                                                    |  |  |  | SCALE --- SHEET 1 OF 1                        |     |         |           |