

F11

TAIT ELECTRONICS  
T839 PA  
MODULE DESIGN

REVISED FOR  
LUNG'S APPROVAL  
AUSTRALIAN TYPE APPROVAL

REVISED FOR  
NON USER

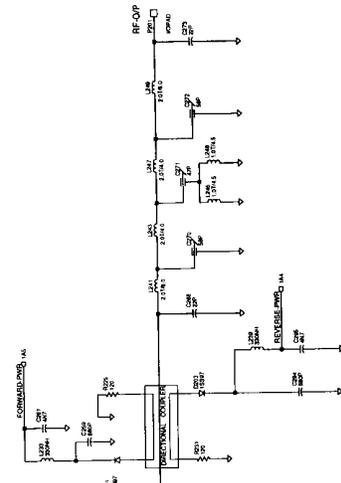
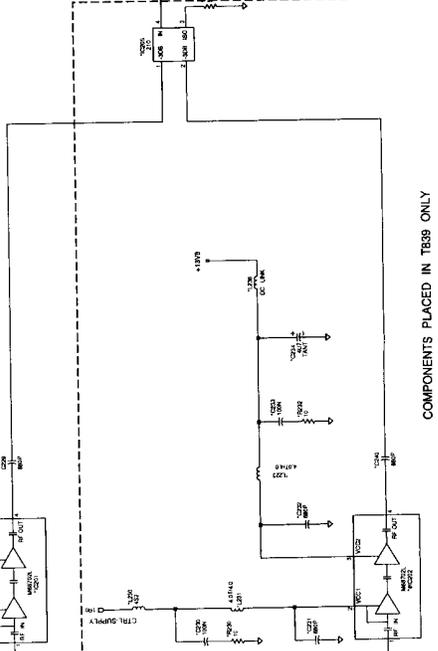
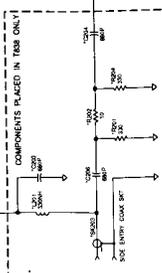
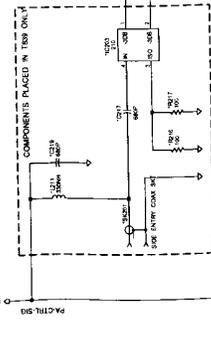
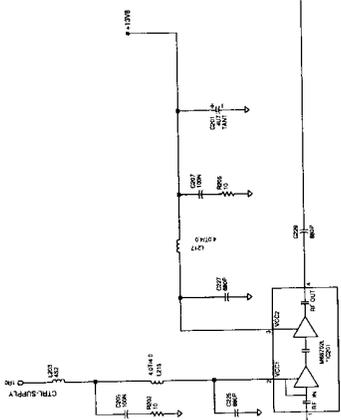
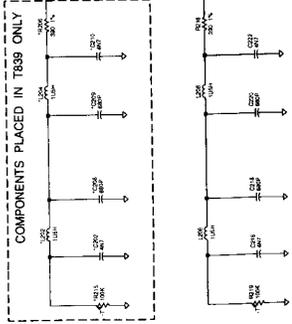
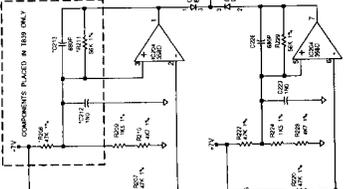
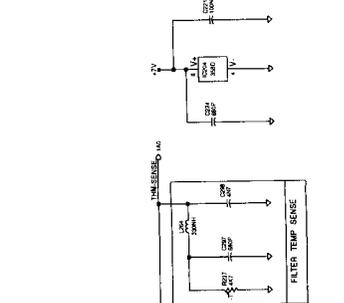
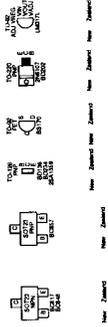
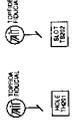
REVISED FOR  
NON USER

REVISED FOR  
NON USER

REVISED FOR  
NON USER

| REV | ISSUE                      | DATE | BY | CHKD | DATE |
|-----|----------------------------|------|----|------|------|
| 1A  | INITIAL MFG/PCUP FROM T839 |      |    |      |      |
| 1B  | UPDATE DRAWING             |      |    |      |      |
| 1C  | INITIAL MFG/PCUP FROM T839 |      |    |      |      |
| 1D  | AMENDMENTS                 |      |    |      |      |
| 1E  | AMENDMENTS                 |      |    |      |      |
| 1F  | AMENDMENTS                 |      |    |      |      |
| 1G  | AMENDMENTS                 |      |    |      |      |
| 1H  | AMENDMENTS                 |      |    |      |      |
| 1I  | AMENDMENTS                 |      |    |      |      |
| 1J  | AMENDMENTS                 |      |    |      |      |
| 1K  | AMENDMENTS                 |      |    |      |      |
| 1L  | AMENDMENTS                 |      |    |      |      |
| 1M  | AMENDMENTS                 |      |    |      |      |
| 1N  | AMENDMENTS                 |      |    |      |      |
| 1O  | AMENDMENTS                 |      |    |      |      |
| 1P  | AMENDMENTS                 |      |    |      |      |
| 1Q  | AMENDMENTS                 |      |    |      |      |
| 1R  | AMENDMENTS                 |      |    |      |      |

| Product | Designator | Chips     |
|---------|------------|-----------|
| MODEL   | SERIES I   | SERIES II |
| T839-10 | 100-10     | 100-10    |
| T839-20 | 100-20     | 100-20    |
| T838-10 | 100-10     | 100-10    |
| T838-20 | 100-10     | 100-10    |

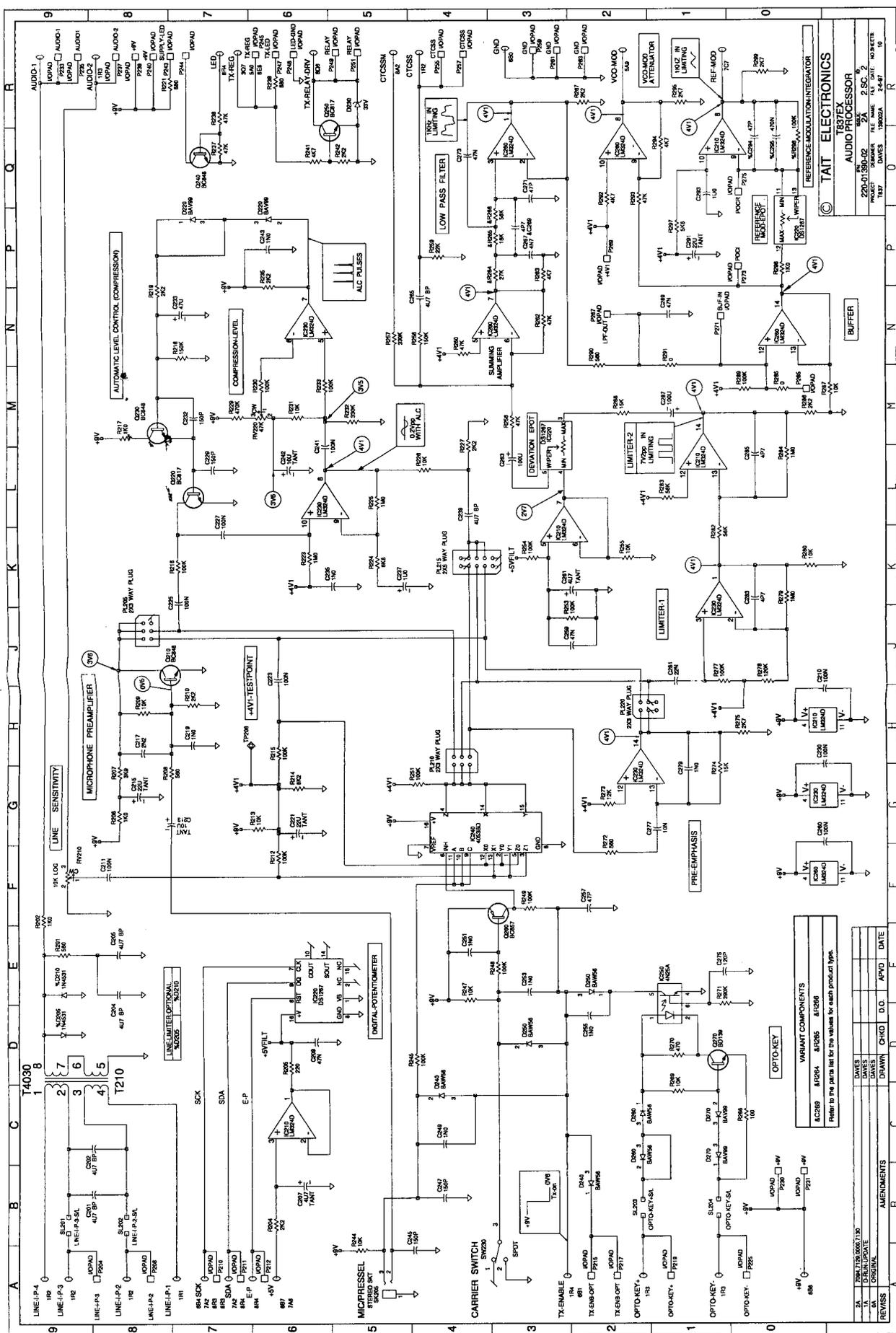


COMPONENTS PLACED IN T838 ONLY

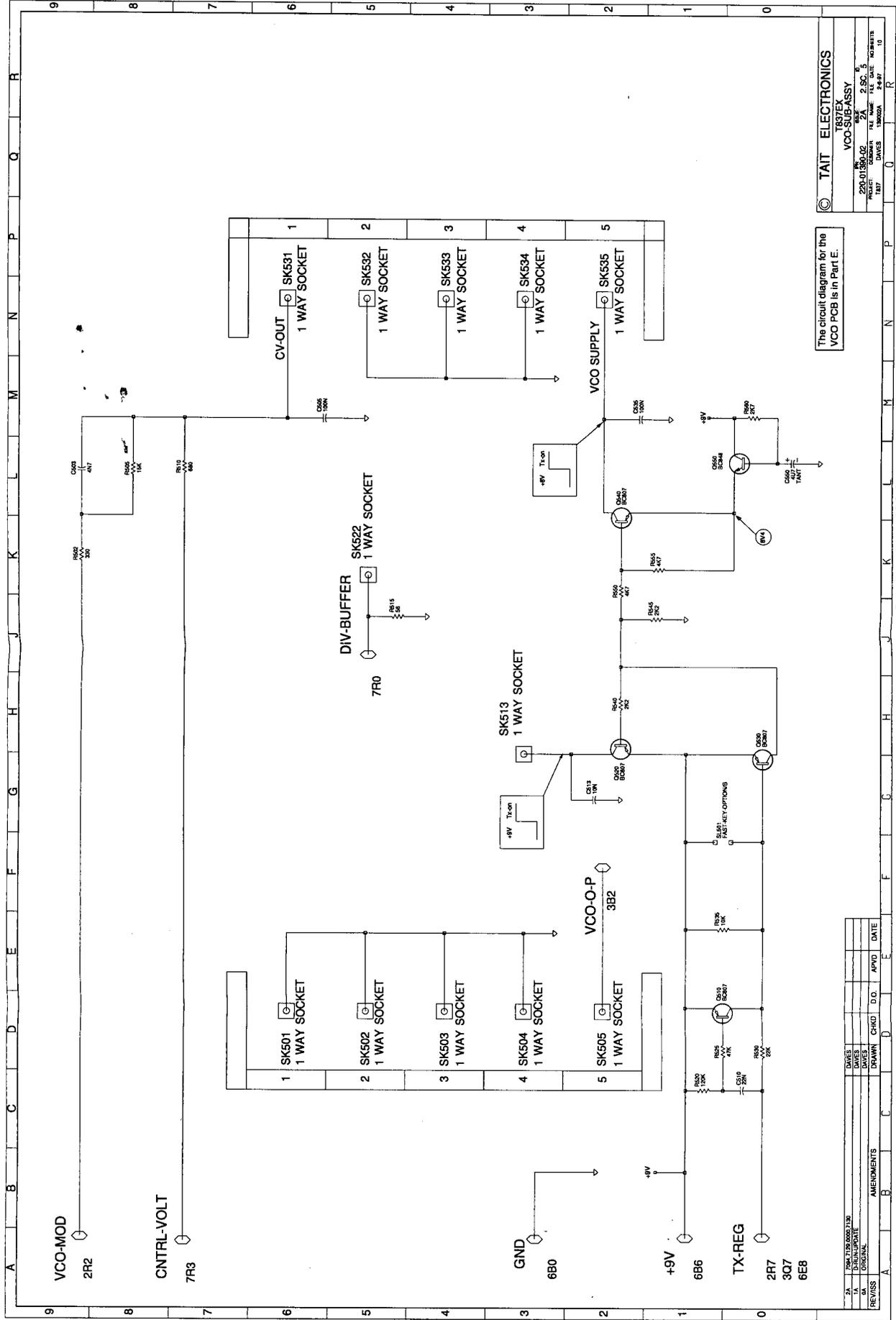
© TAIT ELECTRONICS  
 MODULE DESIGN  
 25C  
 TAIT ELECTRONICS  
 1000 W. 100th St.  
 Minneapolis, MN 55425

| REV | DATE | BY | CHKD | APPD |
|-----|------|----|------|------|
| 1   |      |    |      |      |
| 2   |      |    |      |      |
| 3   |      |    |      |      |
| 4   |      |    |      |      |
| 5   |      |    |      |      |
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| 8   |      |    |      |      |
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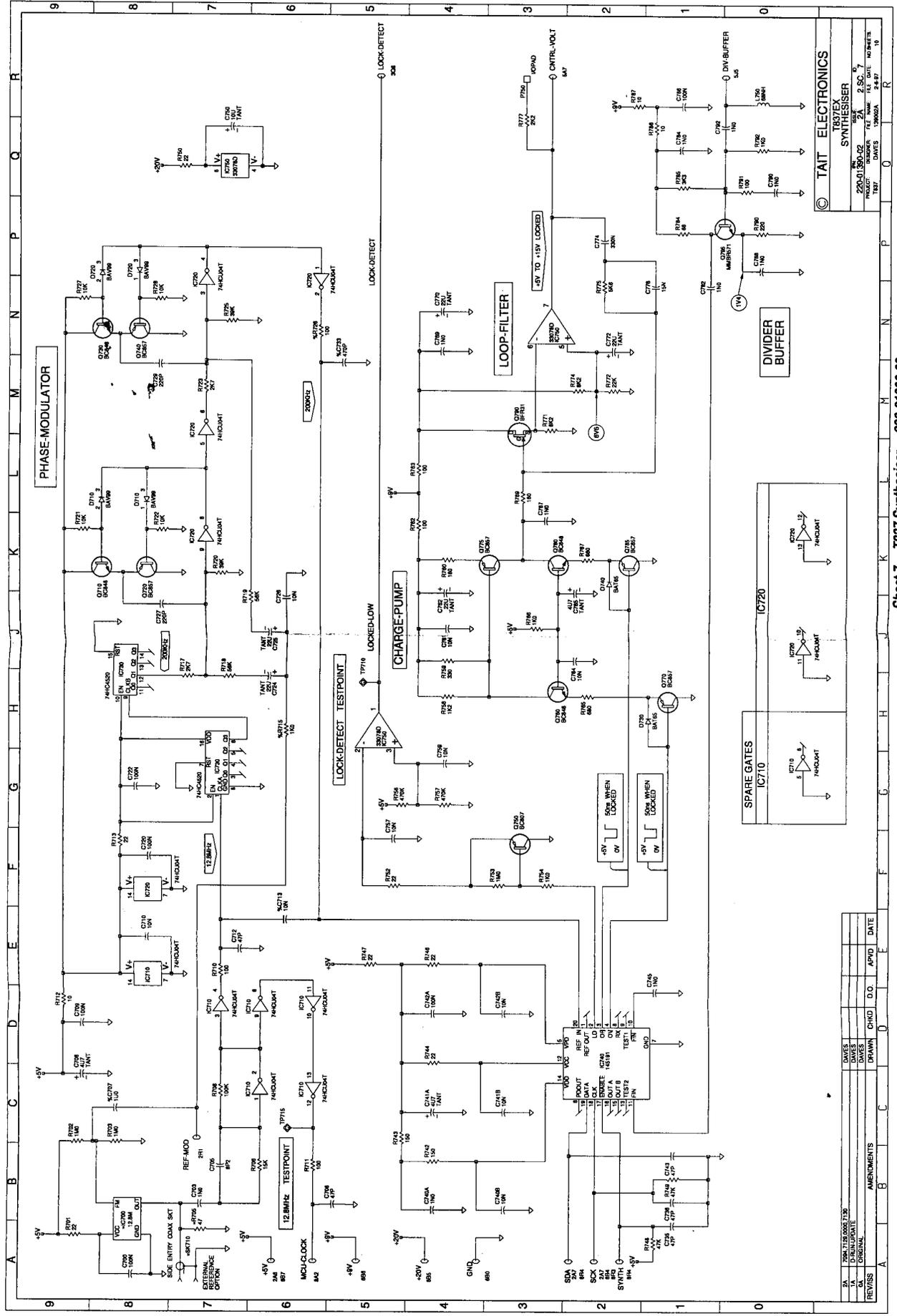
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|-----|----------|-------|------|------|
| 1A  | 08/17/80 | DAVES |      |      |
| 1B  |          | DAVES |      |      |
| 1C  |          | DAVES |      |      |
| 1D  |          | DAVES |      |      |
| 1E  |          | DAVES |      |      |
| 1F  |          | DAVES |      |      |
| 1G  |          | DAVES |      |      |
| 1H  |          | DAVES |      |      |
| 1I  |          | DAVES |      |      |
| 1J  |          | DAVES |      |      |
| 1K  |          | DAVES |      |      |
| 1L  |          | DAVES |      |      |
| 1M  |          | DAVES |      |      |
| 1N  |          | DAVES |      |      |
| 1O  |          | DAVES |      |      |
| 1P  |          | DAVES |      |      |
| 1Q  |          | DAVES |      |      |
| 1R  |          | DAVES |      |      |



The circuit diagram for the VCO PCB is in Part E.

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 T837EX  
 VCO-SUB-ASSY  
 220-01390-02  
 2A 2 SC 5  
 DAVES  
 1837

| REV | DATE | BY    | CHKD | D.D. | APPD | DATE |
|-----|------|-------|------|------|------|------|
| 1   |      | DAVES |      |      |      |      |
| 2   |      | DAVES |      |      |      |      |
| 3   |      | DAVES |      |      |      |      |
| 4   |      | DAVES |      |      |      |      |
| 5   |      | DAVES |      |      |      |      |
| 6   |      | DAVES |      |      |      |      |
| 7   |      | DAVES |      |      |      |      |
| 8   |      | DAVES |      |      |      |      |
| 9   |      | DAVES |      |      |      |      |

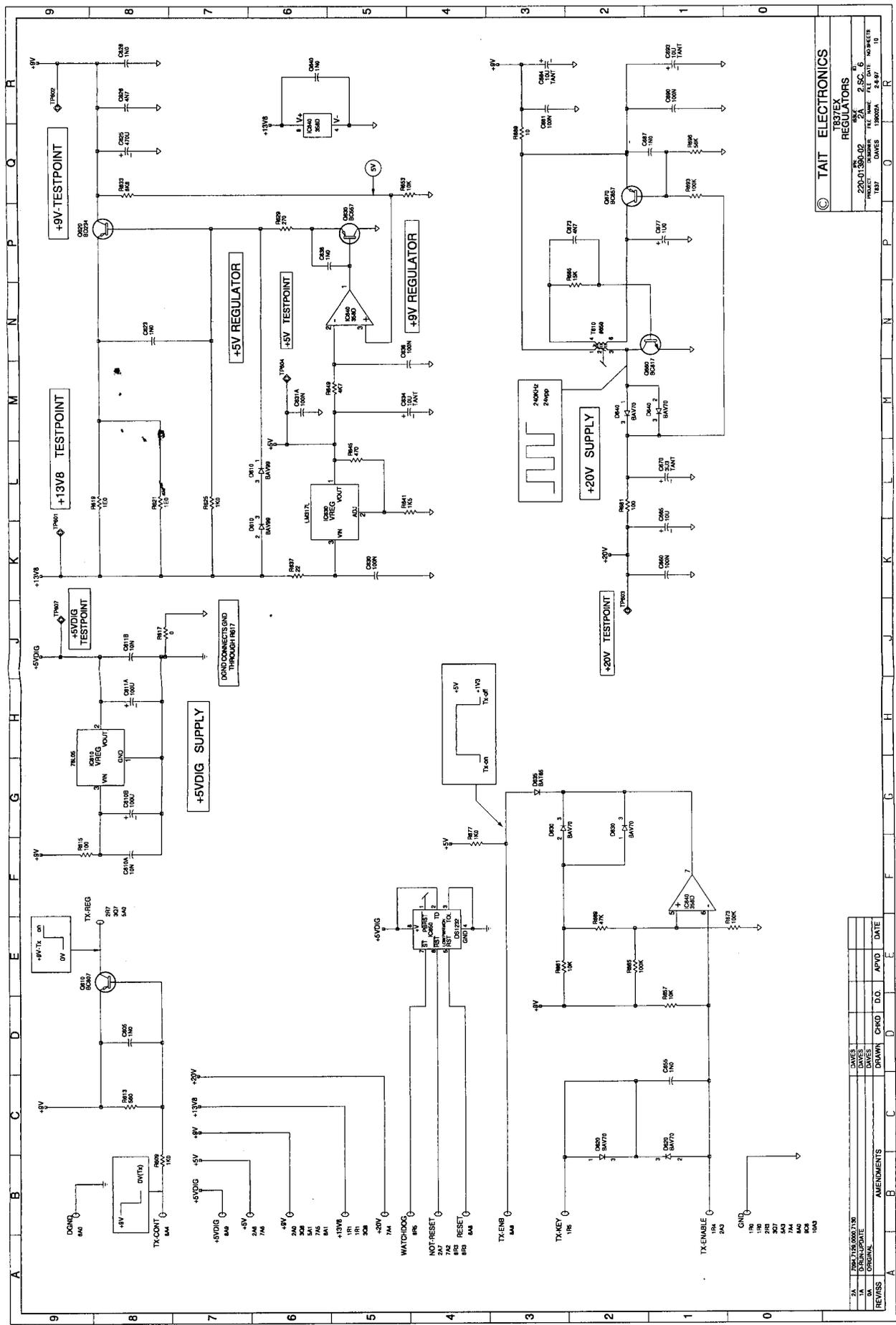


TAIT ELECTRONICS  
 T837EX  
 SYNTHESIZER  
 220-01390-02  
 DATE 2.80  
 DRAWN S.L. DALL  
 CHECKED J. H. BAKER  
 DESIGNED J. H. BAKER  
 PART NO. 139000A  
 REV. 1.0  
 11

Sheet 7 T837 Synthesizer - 220-01390-02

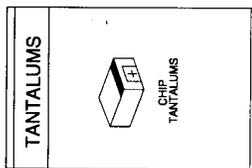
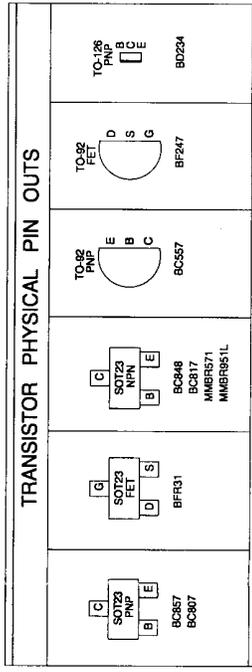
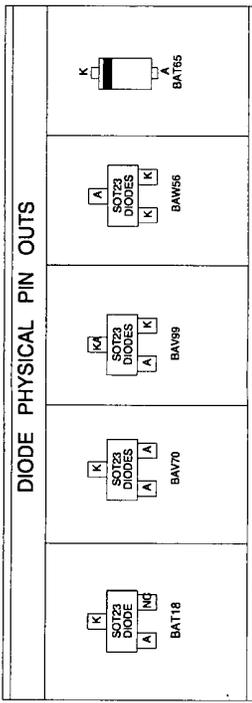
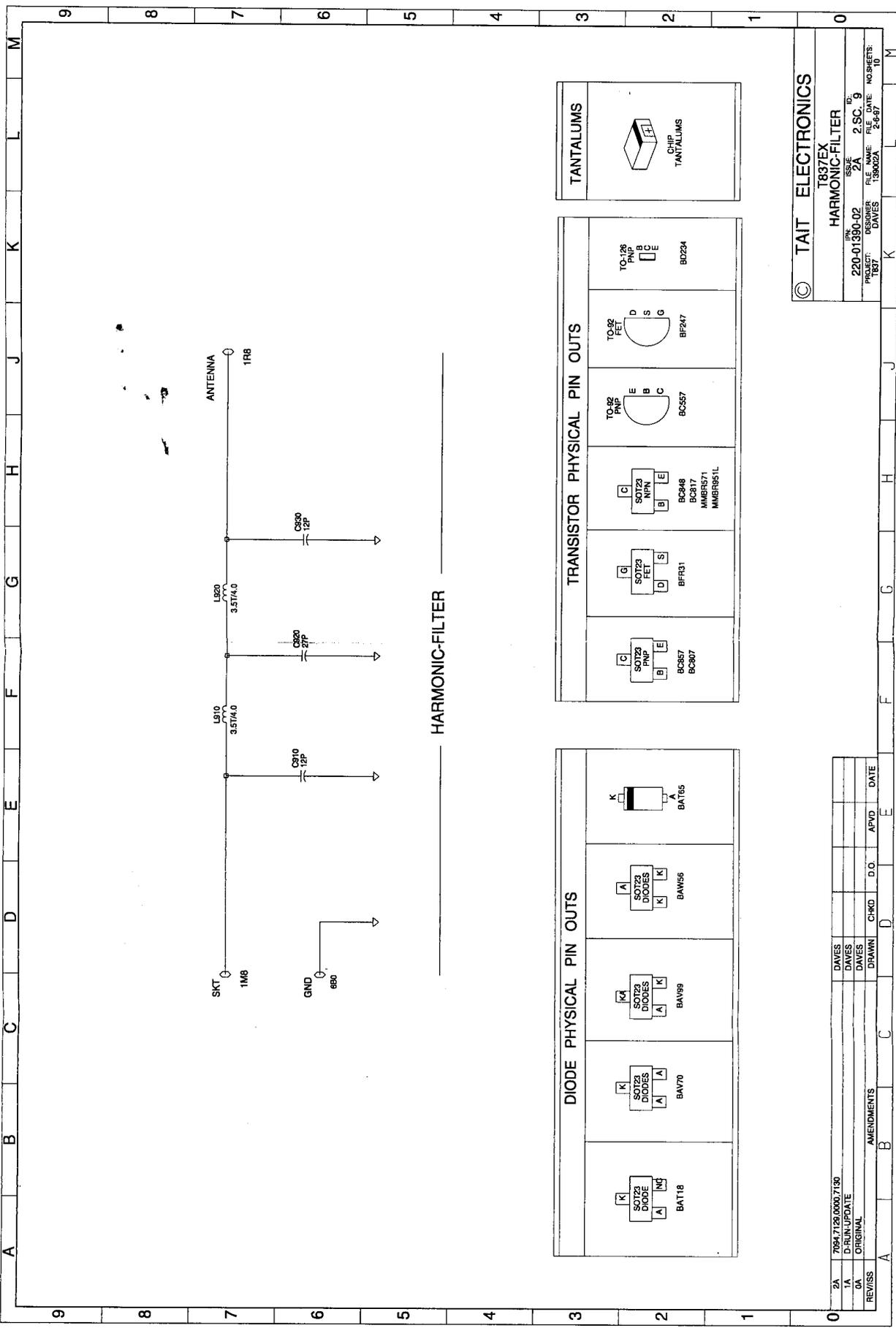
30/04/98

| REV | DATE     | BY     | CHKD   | D.O. | APVD | DATE |
|-----|----------|--------|--------|------|------|------|
| 1   | 09/12/88 | J.H.B. | J.H.B. |      |      |      |
| 2   | 01/04/98 | S.L.D. | J.H.B. |      |      |      |
| 3   |          |        |        |      |      |      |
| 4   |          |        |        |      |      |      |
| 5   |          |        |        |      |      |      |
| 6   |          |        |        |      |      |      |
| 7   |          |        |        |      |      |      |
| 8   |          |        |        |      |      |      |
| 9   |          |        |        |      |      |      |



|                    |          |
|--------------------|----------|
| © TAIT ELECTRONICS |          |
| T837EX REGULATORS  |          |
| REV                | 1        |
| DATE               | 24.10.97 |
| DESIGNED BY        | DAVIES   |
| DRAWN              | DAVIES   |
| CHECKED            | DAVIES   |
| DATE               | 24.10.97 |
| NO. SHEETS         | 10       |
| TOTAL              | 10       |

|     |    |      |          |
|-----|----|------|----------|
| REV | 1  | DATE | 24.10.97 |
| REV | 2  | DATE |          |
| REV | 3  | DATE |          |
| REV | 4  | DATE |          |
| REV | 5  | DATE |          |
| REV | 6  | DATE |          |
| REV | 7  | DATE |          |
| REV | 8  | DATE |          |
| REV | 9  | DATE |          |
| REV | 10 | DATE |          |



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T837EX  
HARMONIC-FILTER

I/PN: 220-01390-02  
 ISSUE: 2A  
 2 SC. 9  
 PREP: DAVES  
 DESIGNED: DAVES  
 FILE NAME: 13800A  
 DATE: 2-9-87  
 NO. SHEETS: 10

| REV        | DATE                  | BY    | CHKD | D.O. | APVD | DATE |
|------------|-----------------------|-------|------|------|------|------|
| 2A         | 7894.7.126.0000.7.130 | DAVES |      |      |      |      |
| 1A         | D-RUN-UPDATE          | DAVES |      |      |      |      |
| 0A         | ORIGINAL              | DAVES |      |      |      |      |
| AMENDMENTS |                       |       |      |      |      |      |
|            |                       | DRAWN | CHKD | D.O. | APVD | DATE |

Sheet 9 T837 Harmonic Filter - 220-01390-02

30/0/4/98

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