



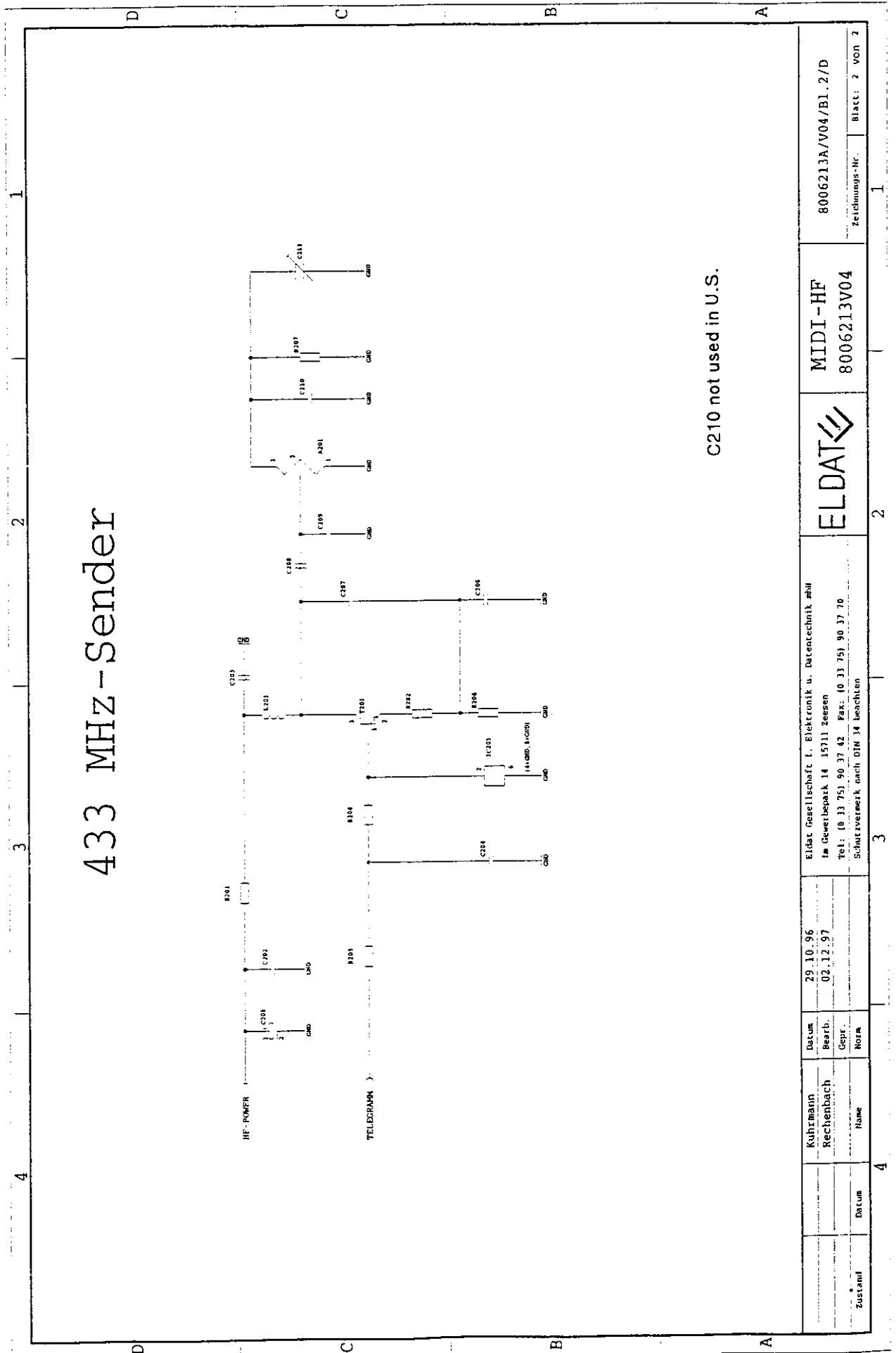
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Transmitters D211, D212, D214 - Schematic Diagram - RF Section

50703-1165

# 433 MHz - Sender

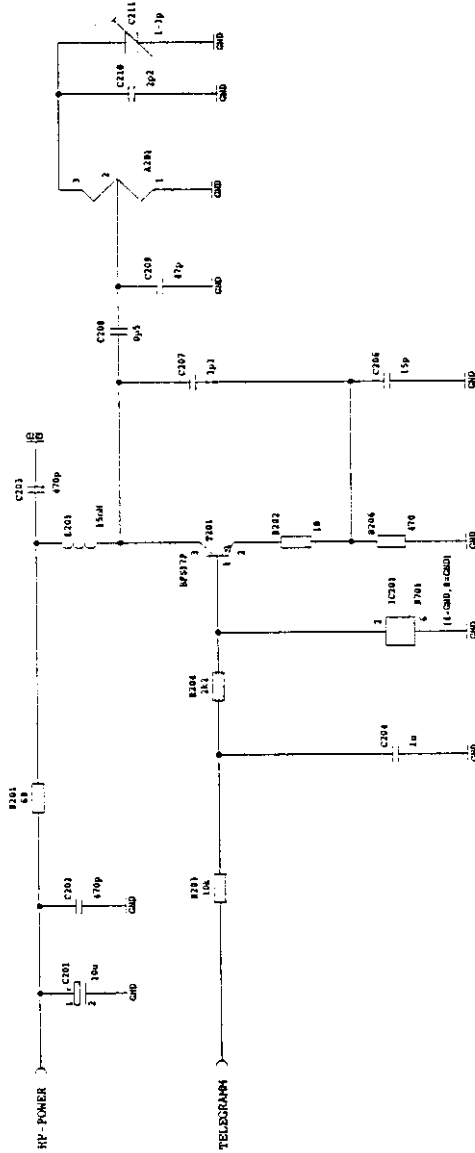


C210 not used in U.S.

|   |       |                       |       |                         |        |                      |          |
|---|-------|-----------------------|-------|-------------------------|--------|----------------------|----------|
|   |       |                       |       |                         |        |                      |          |
| Zustand   | Datum | Name                  | Notiz | Gepr.                   | Bearb. | Datum                | 29.10.96 |
|   |       | Kuhmann<br>Rechenbach |       |                         |        | 02.12.97             | 02.12.97 |
| ELDAT Gesellschaft f. Elektronik u. Datentechnik mbH<br>Im Gewerbepark 14 15711 Zeesen<br>Tel: (0 33 75) 90 37 42 Fax: (0 33 75) 90 37 70<br>Schutzvermerk nach DIN 14 beachten |       |                       |       |                         |        |                      |          |
| ELDAT   |       |                       |       | MIDI - HF<br>8006213V04 |        | 8006213A/V04/Bl. 2/D |          |
|   |       |                       |       | Zeichnungs-Nr.          |        | Blatt: 2 von 2       |          |

Transmitter D211, D212, D214 - Schematic Diagram - RF Section

433 MHz - Sender



|         |       |      |       |         |       |      |                      |   |       |                         |                    |                                  |
|---------|-------|------|-------|---------|-------|------|----------------------|---|-------|-------------------------|--------------------|----------------------------------|
| Zustand | Datum | Name | Datum | Beitrag | Gepr. | Norm | 29.10.96<br>11.11.96 | Eldat Gesellschaft f. Elektronik u. Datentechnik mbH<br>Im Gewerbepark 14 15711 Zeesen<br>Tel: (0 33 75) 90 37 42 Fax: (0 33 75) 90 37 70<br>Schutzvermerk nach DIN 34 beachten | ELDAT | MIDI - HF<br>8006213V04 | 8006213/V04/B1.2/C | Zeichnungs-Nr.<br>Blatt: 2 von 2 |
|---------|-------|------|-------|---------|-------|------|----------------------|---|-------|-------------------------|--------------------|----------------------------------|

New Design  
Circuit board component values - transmitters D211, D212, D214

| Component | Value                   | Component | Value             |
|-----------|-------------------------|-----------|-------------------|
| A201      | Antenna - circuit trace | R101      | 2.2k              |
| C101      | 100nF                   | R102      | 2.2k              |
| C201      | 10uF, 16v               | R103      | 560               |
| C202      | 470pF                   | R106      | 560               |
| C203      | 470pF                   | R107      | 12k               |
| C204      | 1nF                     | R108      | 10k               |
| C206      | 12pF                    | R109      | 56k               |
| C207      | 3p3                     | R110      | 39k               |
| C208      | 0p75                    | R201      | 68                |
| C209      | 22pF                    | R202      | 10                |
| C210      | 0p5                     | R203      | 10k               |
| C211      | 2-6uF                   | R204      | 2k2               |
| D101      | BAV70W                  | R206      | 470               |
| D102      | BAV70W                  | R207 *    | 2k *              |
| D103      | BAV70W                  | RES101    | CSTCS4, 00MG 4MHz |
| D104      | BAV70W                  | T101      | BC857W            |
| D105      | BZX84-5.1               | T102      | BCR133W           |
| D106      | BAS16W                  | T103      | BCR133W           |
| D107      | BZX84-5.1               | T104      | BC857W            |
| D108      | BAS16W                  | T105      | BC857W            |
| IC101     | PIC16F84                | T201      | BFS17P            |
| IC102     | R701                    |           |                   |
| L201      | 15nH                    |           |                   |
| LED101    | Yoke                    |           |                   |
|           |                         |           |                   |
|           |                         |           |                   |

\* = New component to replace C210.