

**8. REPLACEABLE
ELECTRICAL
PARTS,
LOCATION
AND CIRCUIT
DIAGRAM**

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8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT DIAGRAMS

8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT
DIAGRAMS

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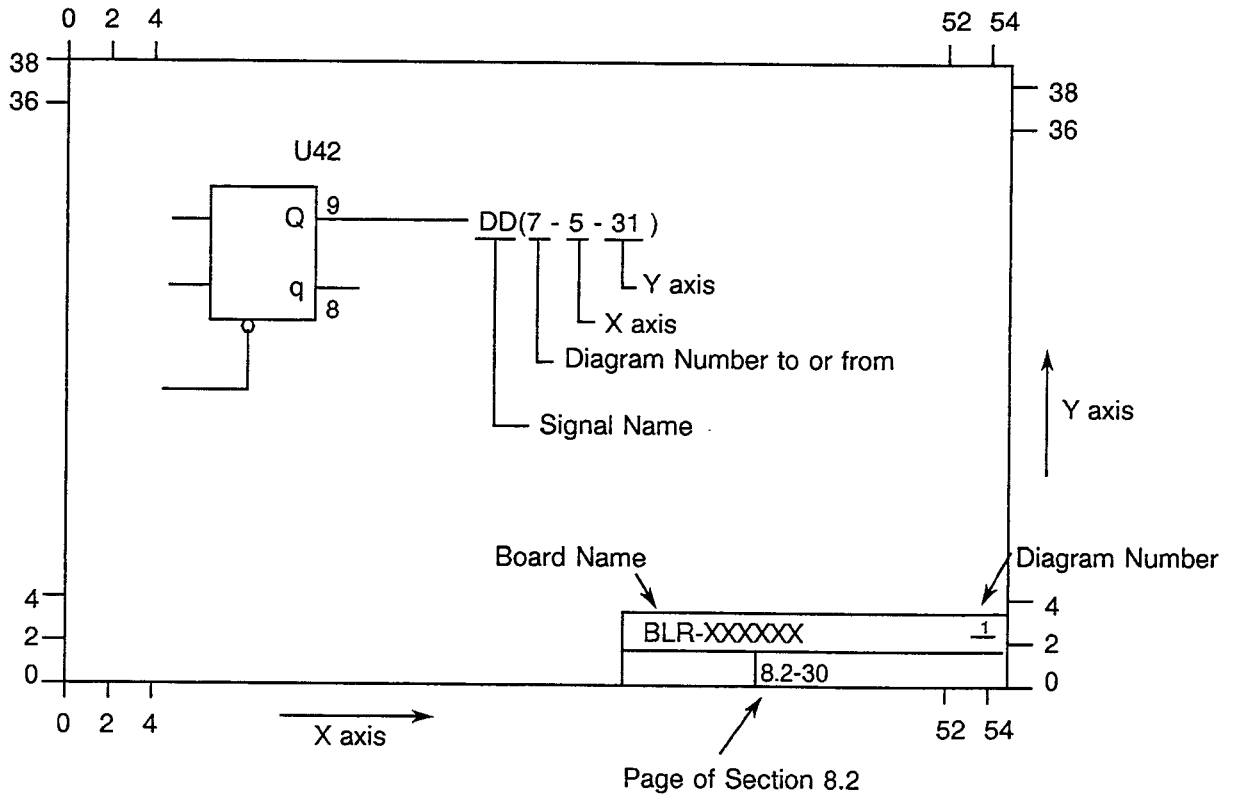
Volume II

Volume III

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 SPECTRUM ANALYZER
 MAINTENANCE MANUAL

8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT DIAGRAMS

< Circuit Board Interconnection >



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RF I/O
WBL-3271 I/O

| Parts No. | Advantest Stock No. | Description | Note |
|----------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------|
| Q1 -2 Q3 Q4 R1 -4 | BLL-017508×03 SFM-2SK972 STN-2SC1983-1 SFN-2SK811 RPW-BB40 | RF I/O BOARD MOS FET N-CHAN E-MODE TRANSISTOR NPN MOS FET N-CHAN E-MODE FIX METAL 40Ω ±1% ±1.5W TC = ±5ppm/°C | |
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|---------------|------|------|
| C1 -3 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C4 | CSM-TAR022U50V | CER | 0.022 μ F | \pm 80%-20% | 50V | |
| C5 -6 | CSM-AZ1000P50V | CER | 1000pF | \pm 80%-20% | 50V | |
| C7 | CSM-TAR022U50V | CER | 0.022 μ F | \pm 80%-20% | 50V | |
| C8 -9 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C10 | CSM-AZ1000P50V | CER | 1000pF | \pm 80%-20% | 50V | |
| C11 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C12 | CSM-BA2200P50V | CER | 2200pF | \pm 80%-20% | 50V | |
| C13 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C14 -16 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C17 -18 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C19 | CCK-BX100U16V | ELECT | 100 μ F | \pm 20% | 16V | |
| C20 | CSM-AGR47U50V | CER | 0.47 μ F | \pm 80%-20% | 50V | |
| C21 | CTA-AC3R3U16V | TA | 3.3 μ F | \pm 20% | 16V | |
| C22 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C23 -25 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C26 | CFM-ASR033U50V | FILM | 0.033 μ F | \pm 10% | 50V | |
| C27 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C28 | CCK-BX100U35V | ELECT | 100 μ F | \pm 20% | 35V | |
| C29 -30 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C31 | CCK-BX470U10V | ELECT | 470 μ F | \pm 20% | 10V | |
| C32 -33 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C34 | CFM-AHR1U100V | FILM | 0.1 μ F | \pm 10% | 100V | |
| C35 -36 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C37 | CCK-BX33U16V | ELECT | 33 μ F | \pm 20% | 16V | |
| C38 | CSM-TAR022U50V | CER | 0.022 μ F | \pm 80%-20% | 50V | |
| C39 -40 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C41 | CFM-ASR022U50V | FILM | 0.022 μ F | \pm 10% | 50V | |
| C45 -47 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C48 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C50 -51 | CSM-AZ1000P50V | CER | 1000pF | \pm 80%-20% | 50V | |
| C52 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C53 -54 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C55 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C57 | CSM-AGR1U50V | CER | 0.1 μ F | \pm 80%-20% | 50V | |
| C58 -61 | CTA-AC2R2U35V | TA | 2.2 μ F | \pm 20% | 35V | |
| C62 | CCK-BX10U25V | ELECT | 10 μ F | \pm 20% | 25V | |
| C63 | CSM-TAR022U50V | CER | 0.022 μ F | \pm 80%-20% | 50V | |
| C64 | CCK-BX10U25V | ELECT | 10 μ F | \pm 20% | 25V | |
| C65 | CCK-CX22U50V | ELECT | 22 μ F | \pm 20% | 25V | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------|-----------|----------------|------|
| C66 | CCK-BX100U25V | ELECT | 100uF | ± 20% | 25V | |
| C67 | CCK-CV300U25V-1 | ELECT | 330uF | ± 20% | 25V | |
| C68 | CCK-BX100U16V | ELECT | 100uF | ± 20% | 16V | |
| C69 -73 | CSM-AGR1U50V | CER | 0.1μF | ± 80%-20% | 50V | |
| C74 | CSM-AZ1000P50V | CER | 1000pF | ± 80%-20% | 50V | |
| C75 -76 | CSM-AGR1U50V | CER | 0.1μF | ± 80%-20% | 50V | |
| C77 -78 | CTA-AC2R2U35V | TA | 2.2μF | ± 20% | 35V | |
| C80 -85 | CSM-AGR1U50V | CER | 0.1μF | ± 80%-20% | 50V | |
| C86 | CCK-BX100U50V | ELECT | 100uF | ± 20% | 50V | |
| C88 -93 | CSM-AZ1000P50V | CER | 1000pF | ± 80%-20% | 50V | |
| C94 -95 | CSM-AGR1U50V | CER | 0.1μF | ± 80%-20% | 50V | |
| C96 | CSM-AGR1U50V | CER | 0.1μF | ± 80%-20% | 50V | |
| C97 | CCK-CV100U35V | ELECT | 100uF | ± 20% | 35V | |
| C98 | CSM-AGR1U50V | CER | 0.1μF | ± 80%-20% | 50V | |
| C99 | CFM-ASR022U50V | FILM | 0.022μF | ± 10% | 50V | |
| C101 | CSM-AZ22P50V | CER | 22pF | ± 80%-20% | 50V | |
| D1 | SDZ-W130 | ZENER | DIODE | 13V | 0.5W | |
| D2 | SDZ-2-2 | ZENER | DIODE | 6.2V | TC = ± 5ppm/°C | |
| D3 | SDZ-H3-8 | ZENER | DIODE | 3.6V | 0.5W | |
| D4 | SDZ-H3-8 | ZENER | DIODE | 3.6V | 0.5W | |
| D5 | SDZ-W130 | ZENER | DIODE | 13V | 0.5W | |
| D6 | SDS-LD1 | DIODE | SI | | | |
| D7 -8 | SDZ-D030 | ZENER | DIODE | 3V | 1W | |
| D9 -10 | SDS-1SS270 | DIODE | SI | | | |
| D12 -13 | SDS-1SS270 | DIODE | SI | | | |
| D14 | SDZ-W050 | ZENER | DIODE | 5V | 0.5W | |
| D15 -16 | SDS-1S953 | DIODE | SI | | | |
| D17 | SDS-LD1 | DIODE | SI | | | |
| D18 | SDZ-D240 | ZENER | DIODE | 24V | 1W | |
| D19 -20 | SDS-LD1 | DIODE | SI | | | |
| D21 -23 | SDS-1SS270 | DIODE | SI | | | |
| D24 | SDS-A54 | DIODE | ARRAY | SI | HEX | |
| D25 | SDS-64 | DIODE | ARRAY | SI | HEX | |
| D26 -29 | SDS-1SS270 | DIODE | SI | | | |
| D31 | SDZ-D240 | ZENER | DIODE | 24V | 1W | |
| D32 | SDS-1SS270 | DIODE | SI | | | |
| D40 | SDP-SM1-7 | DIOD | SI | 0.8A | | |
| J1 | JCR-BY064PX01 | CONNECTOR | | | | |
| J2 | JCR-BY050PX01 | CONNECTOR | | | | |
| J3 | JCI-AD014JX01 | CONNECTOR | | | | |

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| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|---------------------------------------|--------------|
| J5 | JCS-DN004PX01-1 | CONNECTOR | |
| J6 | JCR-AC016PX05-1 | CONNECTOR | |
| J7 | JCS-DN002PX01-1 | CONNECTOR | |
| J8 | JCF-BF001JX01-1 | CONNECTOR RF COAX | |
| J9 | JCS-DN006PX01-1 | CONNECTOR RF COAX | |
| J10 -11 | JCI-AD014JX01 | CONNECTOR | |
| J12 | JCS-DN003PX01-1 | CONNECTOR | |
| J13 | JCS-DN004PX01-1 | CONNECTOR | |
| J14 | JCS-DN016PX01-1 | CONNECTOR | |
| J15 | JCS-DN002PX01-1 | CONNECTOR | |
| J16 | JCR-AC010PX05-1 | CONNECTOR | |
| J17 | JCS-DN003PX01-1 | CONNECTOR | |
| J20 -21 | DMY-000903-1 | | |
| J22 | JCS-DN002PX01-1 | CONNECTOR | |
| JP1 | DMY-000934-1 | | |
| K1 | KRL-000434-1 | RELAY 12V | |
| L1 | LCL-T00084A | COIL 120 μ H 1A | |
| L7 | LCL-T00084A | COIL 120 μ H 1A | |
| L8 | LCL-C00010 | COIL 180 μ H 160mA | |
| L9 -10 | LCL-T00084A | COIL 120 μ H 1A | |
| L11 | LCL-T00084A | COIL 120 μ H 1A | |
| Q1 | STN-2SC1815-55 | TRANSISTOR NPN | |
| Q2 | STP-2SA642B-3 | TRANSISTOR PNP | PD = 600mW |
| Q3 | STN-2SC815-2 | TRANSISTOR NPN | PD = 600mW |
| Q4 -5 | STP-2SA642B-3 | TRANSISTOR PNP | PD = 600mW |
| Q6 | STT-394-1 | TRANSISTOR NPN | MATCHED PAIR |
| Q7 | STN-2SC1815-55 | TRANSISTOR NPN | |
| Q8 | STN-2SC2983-1 | TRANSISTOR NPN | PD = 1W |
| Q9 | STP-2SA1225-1 | TRANSISTOR PNP | PD = 1W |
| Q14 | STN-2SC2983-1 | TRANSISTOR NPN | PD = 1W |
| Q15 | STP-2SA1225-1 | TRANSISTOR PNP | PD = 1W |
| Q16 | STN-2SC815-2 | TRANSISTOR NPN | PD = 600mW |
| Q17 -19 | STN-2SC1815-55 | TRANSISTOR NPN | |
| Q21 | STN-2SC2983-1 | TRANSISTOR NPN | PD = 1W |
| Q22 | STP-2SA1225-1 | TRANSISTOR PNP | PD = 1W |
| Q24 | STP-2SA642B-3 | TRANSISTOR PNP | PD = 600mW |
| Q26 | STP-UN4114-1 | TRANSISTOR PNP WITH INTERNAL RESISTOR | |
| Q27 | STN-2SC2983-1 | TRANSISTOR NPN | PD = 1W |
| Q28 | STP-2SA1225-1 | TRANSISTOR PNP | PD = 1W |
| Q29 | SFM-2SJ132 | FET MOS P-CH | E-MODE |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|----------------------------|---------|-------|-----------------|------|
| Q30 | SFN-2SK30-1 | FET | N-JUNCTION | | | | |
| Q32 | SFM-2SJ132 | FET | MOS P-CH | E-MODE | | | |
| Q33 | STP-UN4114-1 | TRANSISTAN | PNP WITH INTERNAL RESISTOR | | | | |
| Q34 | STN-2SC2983-1 | TRANSISTOR | NPN | PD = 1W | | | |
| Q35 | STP-2SA1225-1 | TRANSISTOR | PNP | PD = 1W | | | |
| R1 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R2 | RAY-AF10K8 | ASSEMBLY | OCTAL | 10kΩ | ±0.1% | 1/10W | |
| R3 -5 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R6 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/8W | |
| R7 | RMF-TC1R5KFJ | FIX | METAL | 1.5kΩ | ±1% | 1/4W | |
| R8 | RMF-TC1R5KFJ | FIX | METAL | 1.5kΩ | ±1% | 1/4W | |
| R9 | RMF-AC1R2KFJ | FIX | METAL | 1.2kΩ | ±1% | 1/4W | |
| R10 -11 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/8W | |
| R12 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/8W | |
| R13 | RMF-AC4R7KFJ | FIX | METAL | 4.7kΩ | ±1% | 1/4W | |
| R14 | RVR-DF1K | VAR | CERMET | 1kΩ | ±20% | 1/2W | |
| R15 | RMF-AC3R9KFJ | FIX | METAL | 3.9kΩ | ±1% | 1/4W | |
| R16 -17 | RCB-AG1R5K | FXD | CAR | 1.5kΩ | ±5% | 1/8W | |
| R18 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/8W | |
| R19 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/8W | |
| R20 | RMF-AB9R1KFG | FIX | METAL | 9.1kΩ | ±1% | 1/4W | |
| R21 | RVR-BE2K | VAR | WIRE | 2kΩ | ±10% | 1/2W | |
| R22 | RMF-AB5KFG | FIX | METAL | 5kΩ | ±1% | 1/4W | |
| R23 | RMF-AC12KFJ | FIX | METAL | 12kΩ | ±1% | 1/4W | |
| R24 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R25 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/8W | |
| R26 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/8W | |
| R27 -28 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R29 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/8W | |
| R30 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/8W | |
| R31 | RCB-AG220 | FXD | CAR | 220Ω | ±5% | 1/8W | |
| R32 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/8W | |
| R33 | RMF-AC1KFJ | FIX | METAL | 1kΩ | ±1% | 1/4W | |
| R34 | RMF-AC9R1KFJ | FIX | METAL | 9.1kΩ | ±1% | 1/4W | |
| R35 -36 | RMF-AC1MFJ | FIX | METAL | 1MΩ | ±1% | 1/4W | |
| R37 | RMF-AC100KFJ | FIX | METAL | 100kΩ | ±1% | 1/4W | |
| R38 | RMF-AC2KFJ | FIX | METAL | 2kΩ | ±1% | 1/4W | |
| R39 | RMF-AC18KFJ | FIX | METAL | 18kΩ | ±1% | 1/4W | |
| R40 | RCB-AG330 | FXD | CAR | 330Ω | ±5% | 1/8W | |
| R41 | REE-AR510 | FIX | METAL | 510Ω | -1/4W | TC = 3300ppm/°C | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|-------|-------|-----|------|------|
| R42 | RMF-AC20KFJ | FIX | METAL | 20kΩ | ±1% | 1/4W | |
| R43 | RMF-AC47KFJ | FIX | METAL | 47kΩ | ±1% | 1/4W | |
| R44 | RCB-AG150K | FXD | CAR | 150kΩ | ±5% | 1/8W | |
| R45 | RCB-AG330 | FXD | CAR | 330Ω | ±5% | 1/8W | |
| R46 | RMF-AC2R4KFJ | FIX | METAL | 2.4kΩ | ±1% | 1/4W | |
| R47 | RMF-AC47QFJ | FIX | METAL | 47Ω | ±1% | 1/4W | |
| R48 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R49 | RMF-AC150QFJ | FIX | METAL | 150Ω | ±1% | 1/4W | |
| R50 | RMF-AC20KFJ | FIX | METAL | 20kΩ | ±1% | 1/4W | |
| R51 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R52 | RMF-AC1KFJ | FIX | METAL | 1kΩ | ±1% | 1/4W | |
| R53 | RMF-AC110QFJ | FIX | METAL | 110Ω | ±1% | 1/4W | |
| R56 | RMF-AB150KFJ | FIX | METAL | 150kΩ | ±1% | 1/4W | |
| R57 | RMF-AB11KFG | FIX | METAL | 11kΩ | ±1% | 1/4W | |
| R58 | RMF-AB10KFG-2 | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R59 | RMF-AC820KFJ | FIX | METAL | 820kΩ | ±1% | 1/4W | |
| R60 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ±5% | 1/8W | |
| R61 | RCB-AG8R2K | FXD | CAR | 8.2kΩ | ±5% | 1/8W | |
| R62 | RMF-AC22KFJ | FIX | METAL | 22kΩ | ±1% | 1/4W | |
| R63 | RMF-AC2KFJ | FIX | METAL | 2kΩ | ±1% | 1/4W | |
| R64 | RMF-AC330KFJ | FIX | METAL | 330kΩ | ±1% | 1/4W | |
| R65 | RMF-AC1R2KFJ | FIX | METAL | 1.2kΩ | ±1% | 1/4W | |
| R66 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/8W | |
| R67 -68 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/8W | |
| R69 | RCB-AG680 | FXD | CAR | 680Ω | ±5% | 1/8W | |
| R70 -71 | RCB-AH150 | FXD | CAR | 150Ω | ±5% | 1/4W | |
| R72 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/8W | |
| R73 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/8W | |
| R74 | RCB-AG120 | FXD | CAR | 120Ω | ±5% | 1/8W | |
| R75 | RCB-AG15 | FXD | CAR | 15Ω | ±5% | 1/8W | |
| R76 | RMF-AB4R7KFG | FIX | METAL | 4.7kΩ | ±1% | 1/4W | |
| R77 | RMF-AB11KFG | FIX | METAL | 11kΩ | ±1% | 1/4W | |
| R78 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ±5% | 1/8W | |
| R79 | RCB-AG8R2K | FXD | CAR | 8.2kΩ | ±5% | 1/8W | |
| R80 | RMF-AC4R7KFJ | FIX | METAL | 4.7kΩ | ±1% | 1/4W | |
| R81 | RMF-AC91KFJ | FIX | METAL | 91kΩ | ±1% | 1/4W | |
| R82 | RMF-AC22KFJ | FIX | METAL | 22kΩ | ±1% | 1/4W | |
| R83 | RMF-TC9R1KFJ | FIX | METAL | 9.1kΩ | ±1% | 1/4W | |
| R84 | RMF-AC10KFJ | FIX | METAL | 10kΩ | ±1% | 1/4W | |
| R85 | RCB-AG220 | FXD | CAR | 220Ω | ±5% | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|--------|---------------|------------|------|------|
| R86 | RMF-TC9R1KFJ | FIX | METAL | 9.1k Ω | $\pm 1\%$ | 1/4W | |
| R87 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R88 | RMF-AC820KFJ | FIX | METAL | 820k Ω | $\pm 1\%$ | 1/4W | |
| R89 | RMF-TC5R6KFJ | FIX | METAL | 5.6k Ω | $\pm 1\%$ | 1/4W | |
| R90 | RMF-TC1R5KFJ | FIX | METAL | 1.5k Ω | $\pm 1\%$ | 1/4W | |
| R91 | RMF-TC5R6KFJ | FIX | METAL | 5.6k Ω | $\pm 1\%$ | 1/4W | |
| R97 -98 | RMF-AC1MFJ | FIX | METAL | 1M Ω | $\pm 1\%$ | 1/4W | |
| R99 | RMF-AC180KFJ | FIX | METAL | 180k Ω | $\pm 1\%$ | 1/4W | |
| R100 | RMF-AC20KFJ | FIX | METAL | 20k Ω | $\pm 1\%$ | 1/4W | |
| R101 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R102 | RMF-AC56KFJ | FIX | METAL | 56k Ω | $\pm 1\%$ | 1/4W | |
| R103 | RMF-AC100KFJ | FIX | METAL | 100k Ω | $\pm 1\%$ | 1/4W | |
| R104 | RVR-DF100K | VAR | CERMET | 100k Ω | $\pm 20\%$ | 1/2W | |
| R105 | RMF-AC12KFJ | FIX | METAL | 12k Ω | $\pm 1\%$ | 1/4W | |
| R106 | RCB-AG100 | FXD | CAR | 100 Ω | $\pm 5\%$ | 1/8W | |
| R107 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R108 | RCB-AG560 | FXD | CAR | 560 Ω | $\pm 5\%$ | 1/8W | |
| R109 | RMF-AC30KFJ | FIX | METAL | 30k Ω | $\pm 1\%$ | 1/4W | |
| R110 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R111 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R112 | RCB-AG560 | FXD | CAR | 560 Ω | $\pm 5\%$ | 1/8W | |
| R113 | RCB-AG12K | FXD | CAR | 12k Ω | $\pm 5\%$ | 1/8W | |
| R114 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W | |
| R115 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R116 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R117 | RCB-AG330K | FXD | CAR | 330k Ω | $\pm 5\%$ | 1/8W | |
| R118 | RCB-AG1R8K | FXD | CAR | 1.8k Ω | $\pm 5\%$ | 1/8W | |
| R119 | RCB-AG680 | FXD | CAR | 680 Ω | $\pm 5\%$ | 1/8W | |
| R120 | RCB-AG680 | FXD | CAR | 680 Ω | $\pm 5\%$ | 1/8W | |
| R121 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R123 | RCB-AG100 | FXD | CAR | 100 Ω | $\pm 5\%$ | 1/8W | |
| R124 | RCB-AG3R9K | FXD | CAR | 3.9k Ω | $\pm 5\%$ | 1/8W | |
| R125 | RCB-AG8R2K | FXD | CAR | 8.2k Ω | $\pm 5\%$ | 1/8W | |
| R126 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R127 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R128 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R131 | RCB-AG15 | FXD | CAR | 15 Ω | $\pm 5\%$ | 1/8W | |
| R134 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R136 | RCB-AG15 | FXD | CAR | 15 Ω | $\pm 5\%$ | 1/8W | |
| R137 | RCB-AG15K | FXD | CAR | 15k Ω | $\pm 5\%$ | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|--------|---------------|-------------|-------|------|
| R138 | RCB-AG6R8K | FXD | CAR | 6.8k Ω | $\pm 5\%$ | 1/8W | |
| R139 | RCB-AG39K | FXD | CAR | 39k Ω | $\pm 5\%$ | 1/8W | |
| R141 | RCB-AG4R7K | FXD | CAR | 4.7k Ω | $\pm 5\%$ | 1/8W | |
| R142 | RCB-AH560 | FXD | CAR | 560 Ω | $\pm 5\%$ | 1/4W | |
| R143 -144 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R145 -146 | RCB-AG47K | FXD | CAR | 47k Ω | $\pm 5\%$ | 1/8W | |
| R147 | RCB-AG12K | FXD | CAR | 12k Ω | $\pm 5\%$ | 1/8W | |
| R148 | RCB-AG1R8K | FXD | CAR | 1.8k Ω | $\pm 5\%$ | 1/8W | |
| R149 | RMF-TC18KFJ | FIX | METAL | 18k Ω | $\pm 1\%$ | 1/4W | |
| R151 | RMF-TC18KFJ | FIX | METAL | 18k Ω | $\pm 1\%$ | 1/4W | |
| R153 | RMF-TC180KFJ | FIX | METAL | 180k Ω | $\pm 1\%$ | 1/4W | |
| R154 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R155 | RAY-AJ10K4 | ARRAY | QUAD | 10k Ω | $\pm 0.1\%$ | 1/10W | |
| R156 | RMF-TC18KFJ | FIX | METAL | 18k Ω | $\pm 0.1\%$ | 1/4W | |
| R157 | RMF-AC75KFJ | FIX | METAL | 75k Ω | $\pm 1\%$ | 1/4W | |
| R158 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R159 | RMF-AC33KFJ | FIX | METAL | 33k Ω | $\pm 1\%$ | 1/4W | |
| R160 | RMF-AC9KFG | FIX | METAL | 9k Ω | $\pm 1\%$ | 1/4W | |
| R161 | RMF-TC200KFJ | FIX | METAL | 200k Ω | $\pm 1\%$ | 1/4W | |
| R162 | RMF-TC12KFJ | FIX | METAL | 12k Ω | $\pm 1\%$ | 1/4W | |
| R163 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R165 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R166 | RCB-AG82 | FXD | CAR | 82 Ω | $\pm 5\%$ | 1/8W | |
| R167 -169 | RVR-DF100K | VAR | CERMET | 100k Ω | $\pm 20\%$ | 1/2W | |
| R170 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R171 | RCB-AG4R7K | FXD | CAR | 4.7k Ω | $\pm 5\%$ | 1/8W | |
| R172 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R173 | RCB-AG5R6K | FXD | CAR | 5.6k Ω | $\pm 5\%$ | 1/8W | |
| R174 | RCB-AG8R2K | FXD | CAR | 8.2k Ω | $\pm 5\%$ | 1/8W | |
| R175 | RCB-AG5R6K | FXD | CAR | 5.6k Ω | $\pm 5\%$ | 1/8W | |
| R176 | RAY-AJ10K4 | ARRAY | QUAD | 10k Ω | $\pm 0.1\%$ | 1/10W | |
| R177 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R178 -179 | RMF-AC12KFJ | FIX | METAL | 12k Ω | $\pm 1\%$ | 1/4W | |
| R180 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R181 | RCB-AG1R8K | FXD | CAR | 1.8k Ω | $\pm 5\%$ | 1/8W | |
| R182 | RCB-AG1R2K | FXD | CAR | 1.2k Ω | $\pm 5\%$ | 1/8W | |
| R183 -184 | RMF-AC20KFJ | FIX | METAL | 20k Ω | $\pm 1\%$ | 1/4W | |
| R185 -186 | RMF-AC10KFJ | FIX | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R187 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R188 | RCB-AH150 | FXD | CAR | 150 Ω | $\pm 5\%$ | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|----------------------------------|-------|---------------|-----------|------|------|
| R189 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R190 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R191 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R192 | RCB-AK820 | FIX | CAR | 820 Ω | $\pm 5\%$ | 1/2W | |
| R193 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R195 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R196 | RCB-AG4R7K | FXD | CAR | 4.7k Ω | $\pm 5\%$ | 1/8W | |
| R198 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R200 | RMF-TC15KFJ | FIX | METAL | 15k Ω | $\pm 1\%$ | 1/4W | |
| R201 | RMF-AC27KFJ | FIX | METAL | 27k Ω | $\pm 1\%$ | 1/4W | |
| R202 | RMF-AB560QFJ | FIX | METAL | 560 Ω | $\pm 1\%$ | 1/4W | |
| R203 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R204 -205 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R206 | RCB-AH680 | FXD | CAR | 680 Ω | $\pm 5\%$ | 1/4W | |
| R207 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W | |
| R208 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R209 -210 | RMF-AC10KFJ | FIX | METAL | 10K Ω | $\pm 1\%$ | 1/4W | |
| R211 | RMF-AC2R7KFJ | FIX | METAL | 2.7 Ω | $\pm 1\%$ | 1/4W | |
| R212 | RMF-AC6R8KFJ | FIX | METAL | 6.8K Ω | $\pm 1\%$ | 1/4W | |
| R213 | RMF-AC20KFJ | FIX | METAL | 20k Ω | $\pm 1\%$ | 1/4W | |
| R214 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R215 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R216 | RMF-AC390KFJ | FIX | METAL | 390k Ω | $\pm 1\%$ | 1/4W | |
| R217 -218 | RMF-AC20KFJ | FIX | METAL | 20k Ω | $\pm 1\%$ | 1/4W | |
| R219 | RCB-AG100K | FXD | CAR | 100k Ω | $\pm 5\%$ | 1/8W | |
| R220 | RCB-AG33K | FIX | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R221 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R222 -223 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R224 | RCB-AK820 | FIX | CAR | 820 Ω | $\pm 5\%$ | 1/2W | |
| R225 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R226 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R227 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R228 | RMF-TC1R8KFJ | FIX | METAL | 1.8k Ω | $\pm 1\%$ | 1/4W | |
| R230 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R231 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R232 | RCB-AG390K | FXD | CAR | 390k Ω | $\pm 5\%$ | 1/8W | |
| R233 | RCB-AG12K | FXD | CAR | 12k Ω | $\pm 5\%$ | 1/8W | |
| R234 -235 | RMF-TC1R5KFJ | FIX | METAL | 1.5k Ω | $\pm 1\%$ | 1/4W | |
| TP1 -5 | MBM-10372A | | | | | | |
| U1 -2 | SIA-412-1 | OP AMP DUAL LOW DRIFT LOW OFFSET | | | | | |

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| Parts No. | Advantest Stock No. | Description | Note | |
|-----------|---------------------|----------------|--------------------------------------|--|
| U3 | -4 | SIA-DA7542-4 | 12-BIT D/A CONVERTER WITH BUFFER | |
| U5 | -6 | SIA-412-1 | OP AMP DUAL LOW DRIFT LOW OFFSET | |
| U7 | | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U8 | | SIA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U9 | | SIA-412-1 | OP AMP DUAL LOW DRIFT LOW OFFSET | |
| U10 | | SIA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U11 | | SIA-TL072 | OP AMP DUAL LOW NOISE | |
| U12 | | SIA-DA7542-4 | 12-BIT D/A CONVERTER WITH BUFFER | |
| U13 | | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U14 | | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U15 | | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U16 | -18 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U19 | | SIA-DA7542-4 | 12-BIT D/A CONVERTER WITH BUFFER | |
| U20 | | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U21 | | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U22 | | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U23 | | SIA-412-1 | OP AMP DUAL LOW DRIFT LOW OFFSET | |
| U24 | | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U25 | | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U26 | | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U27 | | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U28 | | SIA-OP27GD-2 | OP AMP LOW NOISE LOW OFFSET | |
| U29 | | SIA-5534A-1 | OP AMP LOW NOISE HIGH SPEED | |
| U30 | | SIA-OP27GD-2 | OP AMP LOW NOISE LOW OFFSET | |
| U31 | | SIA-324 | OP AMP QUAD | |
| U32 | | SIA-DA7226HP | QUAD 8-BIT D/A CONVERTER VOLTAGE OUT | |
| U33 | -36 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U37 | | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U38 | -39 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U40 | -41 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U42 | | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U43 | -45 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U46 | | IA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U47 | | SIA-412-1 | OP AMP DUAL LOW DRIFT LOW OFFSET | |
| U48 | | SIA-393 | COMPARATOR DUAL LOW POWER LOW OFFSET | |
| U49 | | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U50 | -51 | SIM-74HC541S | OCTAL BUFFER, WITH 3-STATE OUTPUTS | |
| U52 | -54 | SIM-74HC138S | 3-TO-8 LINE DECODERS | |
| U55 | | SIM-CXD1095 | I/O EXPANDER | |
| U56 | | SIM-74HC04S | HEX INVERTERS | |

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RF I/O
BLS-017508×02 (10 of 10)

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|------------------------------------------------|------|
| U57 | SIT-DN8650 | LOW-ACTIVE DRIVERS | |
| U58 -60 | SIM-74HC139S | DUAL 2-TO 4 LINE DECODERS | |
| U61 -63 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE-TRIGGERED FLIP-FLOPS | |
| U64 | SIM-74HC00S | DUAD 2 INPUT POSITIVE NAND GATS | |
| U65 | SIM-74HC04S | HEX INVERTERS | |
| U66 | SIT-75451 | DUAL PERIPHERAL POSITIV "AND"DRIVERS | |
| U67 | SIT-DN8650 | LOW-ACTIVE DRIVERS | |
| U68 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U69 | SEE-PFA122A-1 | PHOTO MOS FET RELAY 100V | |
| U71 | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U72 -73 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
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R3265/3271
RF I/O
WBL-3265 I/O

| Parts No. | Advantest Stock No. | Description | Note |
|----------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|
| Q1 -2 Q3 Q4 R1 -4 | BLL-017508×02 SFM-2SK972 STN-2SC1983-1 SFN-2SK811 RPW-BB40 | RF I/O BOARD MOS FET N-CHAN E-MODE TRANSISTOR NPN MOS FET N-CHAN E-MODE FIX METAL 40Ω ±1.5W TC = ±5ppm/°C | |
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RF I/O
BLS-017508 x 02 (1 of 9)

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|-------|---------------|-----------|------|------|
| C1 -3 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C4 | CSM-TAR022U50V | FXD | CER | 0.022 μ F | \pm 20% | 50V | |
| C5 -6 | CSM-AZ1000P50V | FXD | CER | 1000pF | \pm 20% | 50V | |
| C7 | CSM-TAR022U50V | FXD | CER | 0.022 μ F | \pm 20% | 50V | |
| C8 -9 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C10 | CSM-AZ1000P50V | FXD | CER | 1000pF | \pm 20% | 50V | |
| C11 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C12 | CSM-BA2200P50V | FXD | CER | 2200pF | \pm 10% | 50V | |
| C13 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C14 -16 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C17 -18 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C19 | CCK-BX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C20 | CSM-AGR47U50V | FXD | CER | 0.47 μ F | +80%-20% | 50V | |
| C21 | CTA-AC3R3U16V | FXD | TA | 3.3 μ F | \pm 20% | 16V | |
| C22 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C23 -25 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C26 | CFM-ASR033U50V | FXD | FILM | 0.033 μ F | \pm 10% | 50V | |
| C27 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C28 | CCK-BX100U35V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C29 -30 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C31 | CCK-BX470U10V | FXD | ELECT | 470 μ F | \pm 20% | 10V | |
| C32 -33 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C34 | CFM-AHR1U100V | FXD | FILM | 0.1 μ F | \pm 10% | 100V | |
| C35 -36 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C37 | CCK-BX33U16V | FXD | ELECT | 33 μ F | \pm 20% | 16V | |
| C38 | CSM-TAR022U50V | FXD | CER | 0.022 μ F | \pm 20% | 50V | |
| C39 -40 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C41 | CFM-ASR022U50V | FXD | FILM | 0.022 μ F | \pm 10% | 50V | |
| C45 -47 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C48 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C50 -51 | CSM-AZ1000P50V | FXD | CER | 1000pF | \pm 20% | 50V | |
| C52 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C53 -54 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C55 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C57 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | +80%-20% | 50V | |
| C58 -60 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C62 | CCK-BX10U25V | FXD | ELECT | 10 μ F | \pm 20% | 50V | |
| C63 | CSM-TAR022U50V | FXD | CER | 0.022 μ F | \pm 20% | 50V | |
| C64 | CCK-BX10U25V | FXD | ELECT | 10 μ F | \pm 20% | 50V | |
| C65 | CCK-CX22U50V | FXD | ELECT | 22 μ F | \pm 20% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|----------------|-------|---------------|-------------------------------|------|------|
| C66 | CCK-BX100U25V | FXD | ELECT | 100 μ F | \pm 20% | 25V | |
| C67 | CCK-CV330U25V-1 | FXD | ELECT | 330 μ F | \pm 20% | 25V | |
| C68 | CCK-BX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C69 -73 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | + 80%-20% | 50V | |
| C74 | CSM-AZ1000P50V | FXD | CER | 1000pF | \pm 20% | 50V | |
| C75 -76 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | + 80%-20% | 50V | |
| C77 -78 | CTA-AC2R2U35V | FXD | TA | 2.2 μ F | \pm 20% | 35V | |
| C80 -85 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | + 80%-20% | 50V | |
| C86 | CCK-BX100U50V | FXD | ELECT | 100 μ F | \pm 20% | 50V | |
| C88 -93 | CSM-AZ1000P50V | FXD | CER | 1000pF | \pm 20% | 50V | |
| C94 -95 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | + 80%-20% | 50V | |
| C96 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | + 80%-20% | 50V | |
| C97 | CCK-CV100U35V | FXD | ELECT | 100 μ F | \pm 20% | 35V | |
| C98 | CSM-AGR1U50V | FXD | CER | 0.1 μ F | + 80%-20% | 50V | |
| C99 | CFM-ASR022U50V | FXD | FILM | 0.022 μ F | \pm 10% | 50V | |
| C101 | CSM-AZ22P50V | FXD | CER | 33P | \pm 20% | 50V | |
| D1 | SDZ-W130 | ZENER DIODE | | 13V | | 0.5W | |
| D2 | SDZ-2-2 | ZENER DIODE | | 6.2V | TC = \pm 5ppm/ $^{\circ}$ C | | |
| D3 | SDZ-H3-8 | ZENER DIODE | | 3.6V | | 0.5W | |
| D4 | SDZ-H3-8 | ZENER DIODE | | 3.6V | | 0.5W | |
| D5 | SDZ-W130 | ZENER DIODE | | 13V | | 0.5W | |
| D6 | SDS-LD1 | DIODE SI | | IR = 100pA | | | |
| D7 -8 | SDZ-D030 | ZENER DIODE | | 3V | | 1W | |
| D9 -10 | SDS-1SS270 | DIODE SI | | | | | |
| D12 -13 | SDS-1SS270 | DIODE SI | | | | | |
| D14 | SDZ-W050 | ZENER DIODE | | 5V | | 0.5W | |
| D15 -16 | SDS-1S953 | DIODE SI | | | | | |
| D17 | SDS-LD1 | DIODE SI | | | | | |
| D18 | SDZ-D240 | ZENER DIODE | | 24V | | 1W | |
| D19 -20 | SDS-LD1 | DIODE SI | | | | | |
| D24 | SDS-A54 | DIODE ARRAY SI | | HEX | | | |
| D25 | SDS-A64 | DIODE ARRAY SI | | HEX | | | |
| D31 | SDZ-D240 | ZENER DIODE | | 24V | | 1W | |
| D40 | SDP-SM1-7 | DIODE SI | | 0.8A | | | |
| J1 | JCR-BY064P x 01 | CONNECTOR | | | | | |
| J2 | JCR-BY050P x 01 | CONNECTOR | | | | | |
| J4 | JCR-AC010P x 05-1 | CONNECTOR | | | | | |
| J5 | JCS-DN004P x 01-1 | CONNECTOR | | | | | |
| J6 | JCR-AC016P x 05-1 | CONNECTOR | | | | | |
| J7 | JCS-DN002P x 01-1 | CONNECTOR | | | | | |

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| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|---------------------------------------|------|
| J8 | JCF-BF001JX01-1 | CONNECTOR RF | |
| J9 | JCS-DN006PX01-1 | CONNECTOR | |
| J10 -11 | JCI-AD014JX01 | CONNECTOR | |
| J12 | JCS-DN003P × 01-1 | CONNECTOR | |
| J13 | JCS-DN004P × 01-1 | CONNECTOR | |
| J14 | JCS-DN016P × 01-1 | CONNECTOR | |
| J15 | JCS-DN002P × 01-1 | CONNECTOR | |
| J16 | JCR-AC010P × 05-1 | CONNECTOR | |
| J17 | JCS-DN003P × 01-1 | CONNECTOR | |
| J20 -21 | DMY-000903-1 | | |
| J22 | JCS-DN002P × 01-1 | CONNECTOR | |
| JP1 | DMY-000934-1 | | |
| K1 | KRL-000434-1 | RELAY | |
| LI -6 | LCL-T00084A | COIL 120 μ H 1A | |
| L7 | LCL-T00084A | COIL 120 μ H 1A | |
| L8 | LCL-C00010 | COIL 180 μ H 160mA | |
| L9 -10 | LCL-T00084A | COIL 120 μ H 1A | |
| L11 | LCL-T00084A | COIL 120 μ H 1A | |
| Q1 | STN-2SC1815-55 | TRANSISTOR NPN | |
| Q2 | STP-2SA642B-3 | TRANSISTOR PNP PD = 600mW | |
| Q3 | STN-2SC815-2 | TRANSISTOR NPN PD = 600mW | |
| Q4 -5 | STP-2SA642B-3 | TRANSISTOR PNP PD = 600mW | |
| Q6 | STT-394-1 | TRANSISTOR NPN MATCHED PAIR | |
| Q7 | STN-2SC1815-55 | TRANSISTOR NPN | |
| Q8 | STN-2SC2983-1 | TRANSISTOR NPN PD = 1W | |
| Q9 | STP-2SA1225-1 | TRANSISTOR PNP PD = 1W | |
| Q14 | STN-2SC2983-1 | TRANSISTOR NPN PD = 1W | |
| Q15 | STP-2SA1225-1 | TRANSISTOR PNP PD = 1W | |
| Q16 | STN-2SC815-2 | TRANSISTOR NPN PD = 600mW | |
| Q17 -19 | STN-2SC1815-55 | TRANSISTOR NPN | |
| Q21 | STN-2SC2983-1 | TRANSISTOR NPN PD = 1W | |
| Q22 | STP-2SA1225-1 | TRANSISTOR PNP PD = 1W | |
| Q24 | STP-2SA642B-3 | TRANSISTOR PNP PD = 600mW | |
| Q26 | STP-UN4114-1 | TRANSISTOR PNP WITH INTERNAL RESISTOR | |
| Q27 | STN-2SC2983-1 | TRANSISTOR NPN PD = 1W | |
| Q28 | STP-2SA1225-1 | TRANSISTOR PNP PD = 1W | |
| Q29 | SFM-2SJ132 | FET MOS P-CH E-MODE | |
| Q30 | SFN-2SK30-1 | FET N-JUNCTION | |
| Q32 | SFM-2SJ132 | FET MOS P-CH E -MODE | |
| Q33 | STP-UN4114-1 | TRANSISTAN PNP WITH INTERNAL RESISTOR | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|--------------------|---------------|----------------------------|-------|
| Q34 | STN-2SC2983-1 | TRANSISTOR | NPN | PD = 1W | | |
| Q35 | STP-2SA1225-1 | TRANSISTOR | PNP | PD = 1W | | |
| R1 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W |
| R2 | RAY-AF10K8 | ASSEMBLY | OCTAL | 10k Ω | $\pm 0.1\%$ | 1/10W |
| R3 | -5 RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W |
| R6 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W |
| R7 | RMF-TC1R5KFJ | FXD | METAL | 1.5k Ω | $\pm 1\%$ | 1/4W |
| R8 | RMF-TC1R5KFJ | FXD | METAL | 1.5k Ω | $\pm 1\%$ | 1/4W |
| R9 | RMF-AC1R2KFJ | FXD | METAL | 1.2k Ω | $\pm 1\%$ | 1/4W |
| R10 | -11 RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W |
| R12 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W |
| R13 | RMF-AC4R7KFJ | FXD | METAL | 4.7k Ω | $\pm 1\%$ | 1/4W |
| R14 | RVR-DF1K | VAR | CERMET | 1k Ω | $\pm 20\%$ | 1/2W |
| R15 | RMF-AC3R9KFJ | FXD | METAL | 3.9k Ω | $\pm 1\%$ | 1/4W |
| R16 | -17 RCB-AG1R5K | FXD | CAR | 1.5k Ω | $\pm 5\%$ | 1/8W |
| R18 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W |
| R19 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W |
| R20 | RMF-AB9R1KFG | FXD | METAL | 9.1k Ω | $\pm 1\%$ | 1/4W |
| R21 | RVR-BE2K | VAR | WIRE | 2k Ω | $\pm 10\%$ | 1/2W |
| R22 | RMF-AB5KFG | FXD | METAL | 5k Ω | $\pm 1\%$ | 1/4W |
| R23 | RMF-AC12KFJ | FXD | METAL | 12k Ω | $\pm 1\%$ | 1/4W |
| R24 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W |
| R25 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W |
| R26 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W |
| R27 | -28 RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W |
| R29 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W |
| R30 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W |
| R31 | RCB-AG220 | FXD | CAR | 220 Ω | $\pm 5\%$ | 1/8W |
| R32 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W |
| R33 | RMF-AC1KFJ | FXD | METAL | 1k Ω | $\pm 1\%$ | 1/4W |
| R34 | RMF-AC9R1KFJ | FXD | METAL | 9.1k Ω | $\pm 1\%$ | 1/4W |
| R35 | -36 RMF-AC1MFJ | FXD | METAL | 1M Ω | $\pm 1\%$ | 1/4W |
| R37 | RMF-AC100KFJ | FXD | METAL | 100k Ω | $\pm 1\%$ | 1/4W |
| R38 | RMF-AC2KFJ | FXD | METAL | 2k Ω | $\pm 1\%$ | 1/4W |
| R39 | RMF-AC18 KFJ | FXD | METAL | 18k Ω | $\pm 1\%$ | 1/4W |
| R40 | RCB-AG330 | FXD | CAR | 330 Ω | $\pm 5\%$ | 1/8W |
| R41 | REE-AR510 | FXD | METAL 510 Ω | 1/4W | TC = 3300ppm/ $^{\circ}$ C | |
| R42 | RMF-AC20KFJ | FXD | METAL | 20k Ω | $\pm 1\%$ | 1/4W |
| R43 | RMF-AC47KFJ | FXD | METAL | 47k Ω | $\pm 1\%$ | 1/4W |
| R44 | RCB-AG150K | FXD | CAR | 150k Ω | $\pm 5\%$ | 1/8W |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|-------|-------|------|------|------|
| R45 | RCB-AG330 | FXD | CAR | 330Ω | ± 5% | 1/8W | |
| R46 | RMF-AC2R4KFJ | FXD | METAL | 2.4kΩ | ± 1% | 1/4W | |
| R47 | RMF-AC47QFJ | FXD | METAL | 47Ω | ± 1% | 1/4W | |
| R48 | RMF-AC10KFJ | FXD | METAL | 10kΩ | ± 1% | 1/4W | |
| R49 | RMF-AC150QFJ | FXD | METAL | 150Ω | ± 1% | 1/4W | |
| R50 | RMF-AC20KFJ | FXD | METAL | 20kΩ | ± 1% | 1/4W | |
| R51 | RMF-AC10KFJ | FXD | METAL | 10kΩ | ± 1% | 1/4W | |
| R52 | RMF-AC1KFJ | FXD | METAL | 1kΩ | ± 1% | 1/4W | |
| R53 | RMF-AC110QFJ | FXD | METAL | 110Ω | ± 1% | 1/4W | |
| R56 | RMF-AB150KFJ | FXD | METAL | 150kΩ | ± 1% | 1/4W | |
| R57 | RMF-AB11KFG | FXD | METAL | 11kΩ | ± 1% | 1/4W | |
| R58 | RMF-AB10KFG-2 | FXD | METAL | 10kΩ | ± 1% | 1/4W | |
| R59 | RMF-AC820KFJ | FXD | METAL | 820kΩ | ± 1% | 1/4W | |
| R60 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ± 5% | 1/8W | |
| R61 | RCB-AG8R2K | FXD | CAR | 8.2kΩ | ± 5% | 1/8W | |
| R62 | RMF-AC22KFJ | FXD | METAL | 22kΩ | ± 1% | 1/4W | |
| R63 | RMF-AC2KFJ | FXD | METAL | 2kΩ | ± 1% | 1/4W | |
| R64 | RMF-AC330KFJ | FXD | METAL | 330kΩ | ± 1% | 1/4W | |
| R65 | RMF-AC1R2KFJ | FXD | METAL | 1.2kΩ | ± 1% | 1/4W | |
| R66 | RCB-AG100 | FXD | CAR | 100Ω | ± 5% | 1/8W | |
| R67 -68 | RCB-AG22K | FXD | CAR | 22kΩ | ± 5% | 1/8W | |
| R69 | RCB-AG680 | FXD | CAR | 680Ω | ± 5% | 1/8W | |
| R70 -71 | RCB-AH150 | FXD | CAR | 150Ω | ± 5% | 1/4W | |
| R72 | RCB-AG10K | FXD | CAR | 10kΩ | ± 5% | 1/8W | |
| R73 | RCB-AG100K | FXD | CAR | 100kΩ | ± 5% | 1/8W | |
| R74 | RCB-AG120 | FXD | CAR | 120Ω | ± 5% | 1/8W | |
| R75 | RCB-AG15 | FXD | CAR | 15Ω | ± 5% | 1/8W | |
| R76 | RMF-AB4R7KFG | FXD | METAL | 4.7kΩ | ± 1% | 1/4W | |
| R77 | RMF-AB11KFG | FXD | METAL | 11kΩ | ± 1% | 1/4W | |
| R78 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ± 5% | 1/8W | |
| R79 | RCB-AG8R2K | FXD | CAR | 8.2kΩ | ± 5% | 1/8W | |
| R80 | RMF-AC4R7KFJ | FXD | METAL | 4.7kΩ | ± 1% | 1/4W | |
| R81 | RMF-AC91KFJ | FXD | METAL | 91kΩ | ± 1% | 1/4W | |
| R82 | RMF-AC22KFJ | FXD | METAL | 22kΩ | ± 1% | 1/4W | |
| R83 | RMF-TC9R1KFJ | FXD | METAL | 9.1kΩ | ± 1% | 1/4W | |
| R84 | RMF-AC10KFJ | FXD | METAL | 10kΩ | ± 1% | 1/4W | |
| R85 | RCB-AG220 | FXD | CAR | 220Ω | ± 5% | 1/8W | |
| R86 | RMF-TC9R1KFJ | FXD | METAL | 9.1kΩ | ± 1% | 1/4W | |
| R87 | RMF-AC10KFJ | FXD | METAL | 10kΩ | ± 1% | 1/4W | |
| R88 | RMF-AC820KFJ | FXD | METAL | 820kΩ | ± 1% | 1/4W | |

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|-----------|---------------------|-------------|--------|---------------|------------|------|------|
| R89 | RMF-TC5R6KFJ | FXD | METAL | 5.6k Ω | $\pm 1\%$ | 1/4W | |
| R90 | RMF-TC1R5KFJ | FXD | METAL | 1.5k Ω | $\pm 1\%$ | 1/4W | |
| R91 | RMF-TC5R6KFJ | FXD | METAL | 5.6k Ω | $\pm 1\%$ | 1/4W | |
| R97 -98 | RMF-AC1MFJ | FXD | METAL | 1M Ω | $\pm 1\%$ | 1/4W | |
| R99 | RMF-AC180KFJ | FXD | METAL | 180k Ω | $\pm 1\%$ | 1/4W | |
| R100 | RMF-AC20KFJ | FXD | METAL | 20k Ω | $\pm 1\%$ | 1/4W | |
| R101 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R102 | RMF-AC56KFJ | FXD | METAL | 56k Ω | $\pm 1\%$ | 1/4W | |
| R103 | RMF-AC100KFJ | FXD | METAL | 100k Ω | $\pm 1\%$ | 1/4W | |
| R104 | RVR-DF100K | VAR | CERMET | 100k Ω | $\pm 20\%$ | 1/2W | |
| R105 | RMF-AC12KFJ | FXD | METAL | 12k Ω | $\pm 1\%$ | 1/4W | |
| R106 | RCB-AG100 | FXD | CAR | 100 Ω | $\pm 5\%$ | 1/8W | |
| R107 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R108 | RCB-AG560 | FXD | CAR | 560 Ω | $\pm 5\%$ | 1/8W | |
| R109 | RMF-AC30KFJ | FXD | METAL | 30k Ω | $\pm 1\%$ | 1/4W | |
| R110 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R111 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R112 | RCB-AG560 | FXD | CAR | 560 Ω | $\pm 5\%$ | 1/8W | |
| R113 | RCB-AG12K | FXD | CAR | 12k Ω | $\pm 5\%$ | 1/8W | |
| R114 | RCB-AG2R2K | FXD | CAR | 2.2k Ω | $\pm 5\%$ | 1/8W | |
| R115 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R116 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R117 | RCB-AG330K | FXD | CAR | 330k Ω | $\pm 5\%$ | 1/8W | |
| R118 | RCB-AG1R8K | FXD | CAR | 1.8k Ω | $\pm 5\%$ | 1/8W | |
| R119 | RCB-AG680 | FXD | CAR | 680 Ω | $\pm 5\%$ | 1/8W | |
| R120 | RCB-AG680 | FXD | CAR | 680 Ω | $\pm 5\%$ | 1/8W | |
| R121 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R123 | RCB-AG100 | FXD | CAR | 100 Ω | $\pm 5\%$ | 1/8W | |
| R124 | RCB-AG3R9K | FXD | CAR | 3.9k Ω | $\pm 5\%$ | 1/8W | |
| R125 | RCB-AG8R2K | FXD | CAR | 8.2k Ω | $\pm 5\%$ | 1/8W | |
| R126 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R127 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R128 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R131 | RCB-AG15 | FXD | CAR | 15 Ω | $\pm 5\%$ | 1/8W | |
| R134 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R136 | RCB-AG15 | FXD | CAR | 15 Ω | $\pm 5\%$ | 1/8W | |
| R137 | RCB-AG15K | FXD | CAR | 15k Ω | $\pm 5\%$ | 1/8W | |
| R138 | RCB-AG6R8K | FXD | CAR | 6.8k Ω | $\pm 5\%$ | 1/8W | |
| R139 | RCB-AG18K | FXD | CAR | 18k Ω | $\pm 5\%$ | 1/8W | |
| R141 | RCB-AG4R7K | FXD | CAR | 4.7k Ω | $\pm 5\%$ | 1/8W | |

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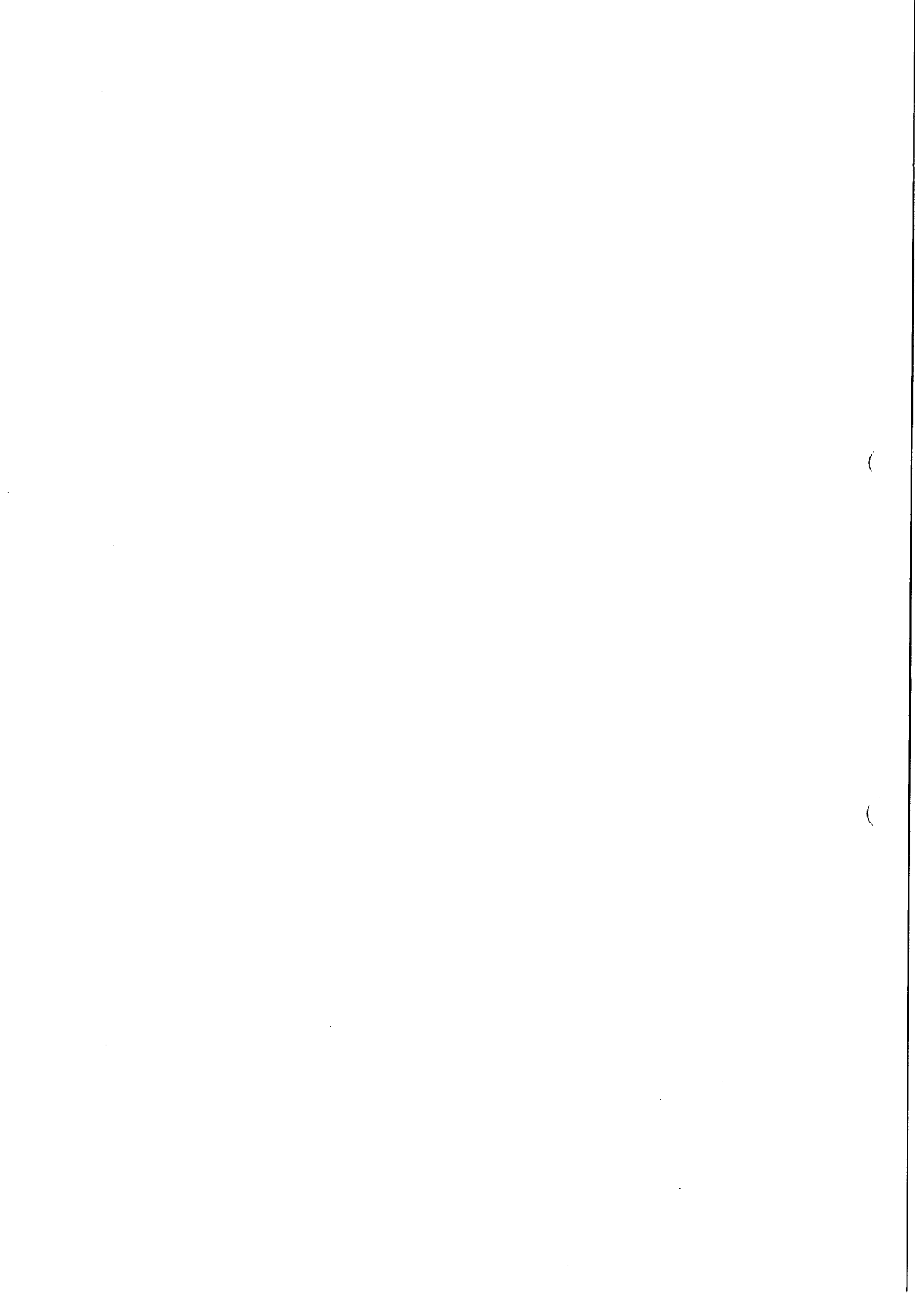
| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|---------------|-------|----------------|-------------|-------|------|
| R142 | RCB-AH560 | FXD | CAR | 560 Ω | $\pm 5\%$ | 1/4W | |
| R143 -144 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R145 -146 | RCB-AG47K | FXD | CAR | 47k Ω | $\pm 5\%$ | 1/8W | |
| R147 | RCB-AG12K | FXD | CAR | 12k Ω | $\pm 5\%$ | 1/8W | |
| R148 | RCB-AG1R8K | FXD | CAR | 1.8k Ω | $\pm 5\%$ | 1/8W | |
| R149 | RMF-TC18KFJ | FXD | METAL | 18k Ω | $\pm 1\%$ | 1/4W | |
| R150 | RMF-TC1R5KFJ | FXD | METAL | 1.5k Ω | $\pm 1\%$ | 1/4W | |
| R151 | RMF-AC19R7KFJ | FXD | METAL | 19.7k Ω | $\pm 1\%$ | 1/4W | |
| R153 | RMF-BJ150KFK | FXD | METAL | 150k Ω | $\pm 1\%$ | 1/4W | |
| R154 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R155 | RAY-AJ10K4 | ASSEMBLY QUAD | | 10k Ω | $\pm 0.1\%$ | 1/10W | |
| R156 | RMF-TC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R157 | RMF-AC75KFJ | FXD | METAL | 75k Ω | $\pm 1\%$ | 1/4W | |
| R158 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R159 | RMF-AC33KFJ | FXD | METAL | 33k Ω | $\pm 1\%$ | 1/4W | |
| R160 | RMF-AC9KFG | FXD | METAL | 9k Ω | $\pm 1\%$ | 1/4W | |
| R161 | RMF-AC100KFJ | FXD | METAL | 100k Ω | $\pm 1\%$ | 1/4W | |
| R163 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R165 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R166 | RCB-AG82 | FXD | CAR | 82 Ω | $\pm 5\%$ | 1/8W | |
| R176 | RAY-AJ10K4 | ASSEMBLY QUAD | | 10k Ω | $\pm 0.1\%$ | 1/10W | |
| R177 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R178 -179 | RMF-AC12KFJ | FXD | METAL | 12k Ω | $\pm 1\%$ | 1/4W | |
| R180 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R181 | RCB-AG1R8K | FXD | CAR | 1.8k Ω | $\pm 5\%$ | 1/8W | |
| R182 | RCB-AG1R2K | FXD | CAR | 1.2k Ω | $\pm 5\%$ | 1/8W | |
| R183 -184 | RMF-AC20KFJ | FXD | METAL | 20k Ω | $\pm 1\%$ | 1/4W | |
| R185 -186 | RMF-AC10KFJ | FXD | METAL | 10k Ω | $\pm 1\%$ | 1/4W | |
| R187 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R188 | RCB-AH150 | FXD | CAR | 150 Ω | $\pm 5\%$ | 1/4W | |
| R189 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R190 | RCB-AG10K | FXD | CAR | 10k Ω | $\pm 5\%$ | 1/8W | |
| R191 | RCB-AG33K | FXD | CAR | 33k Ω | $\pm 5\%$ | 1/8W | |
| R192 | RCB-AK820 | FXD | CAR | 820 Ω | $\pm 5\%$ | 1/2W | |
| R193 | RCB-AG1K | FXD | CAR | 1k Ω | $\pm 5\%$ | 1/8W | |
| R195 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R196 | RCB-AG4R7K | FXD | CAR | 4.7k Ω | $\pm 5\%$ | 1/8W | |
| R198 | RCB-AG22K | FXD | CAR | 22k Ω | $\pm 5\%$ | 1/8W | |
| R200 | RMF-TC15KFJ | FXD | METAL | 15k Ω | $\pm 1\%$ | 1/4W | |
| R201 | RMF-AC27KFJ | FXD | METAL | 27k Ω | $\pm 1\%$ | 1/4W | |

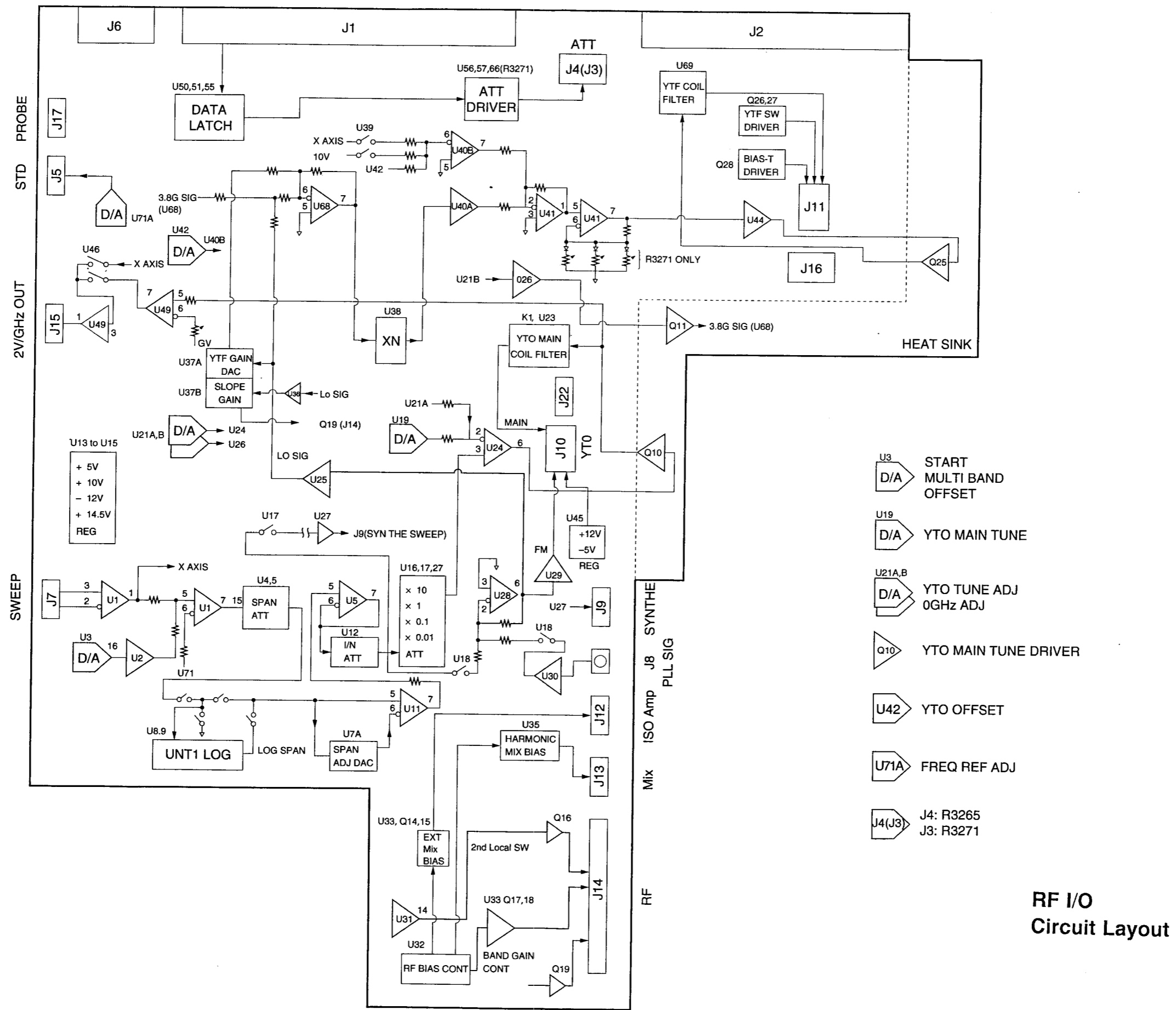
R3265/3271
RF I/O
BLS-017508×02 (8 of 9)

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|--------------------------------------|-------|-------|------|------|------|
| R202 | RMF-AB560QFJ | FXD | METAL | 560Ω | ± 1% | 1/4W | |
| R203 | RCB-AG10K | FXD | CAR | 10kΩ | ± 5% | 1/8W | |
| R204 -205 | RCB-AG33K | FXD | CAR | 33kΩ | ± 5% | 1/8W | |
| R206 | RCB-AH680 | FXD | CAR | 680Ω | ± 5% | 1/8W | |
| R207 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ± 5% | 1/8W | |
| R208 | RCB-AG10K | FXD | CAR | 10kΩ | ± 5% | 1/8W | |
| R209 -210 | RMF-AC10KFJ | FXD | METAL | 10kΩ | ± 1% | 1/4W | |
| R211 | RMF-AC2R7KFJ | FXD | METAL | 2.7kΩ | ± 1% | 1/4W | |
| R212 | RMF-AC6R8KFJ | FXD | METAL | 6.8kΩ | ± 1% | 1/4W | |
| R213 | RMF-AC20KFJ | FXD | METAL | 20kΩ | ± 1% | 1/4W | |
| R214 | RCB-AG33K | FXD | CAR | 33kΩ | ± 5% | 1/8W | |
| R215 | RCB-AG22K | FXD | CAR | 22kΩ | ± 5% | 1/8W | |
| R216 | RMF-AC390KFJ | FXD | METAL | 390kΩ | ± 1% | 1/4W | |
| R217 -218 | RMF-AC20KFJ | FXD | METAL | 20kΩ | ± 1% | 1/4W | |
| R219 | RCB-AG100K | FXD | CAR | 100kΩ | ± 5% | 1/8W | |
| R220 | RCB-AG33K | FXD | CAR | 33kΩ | ± 5% | 1/8W | |
| R221 | RCB-AG10K | FXD | CAR | 10kΩ | ± 5% | 1/8W | |
| R222 -223 | RCB-AG33K | FXD | CAR | 33kΩ | ± 5% | 1/8W | |
| R224 | RCB-AK820 | FXD | CAR | 820Ω | ± 5% | 1/2W | |
| R225 | RCB-AG10K | FXD | CAR | 10kΩ | ± 5% | 1/8W | |
| R226 | RCB-AG33K | FXD | CAR | 33kΩ | ± 5% | 1/8W | |
| R227 | RCB-AG22K | FXD | CAR | 22kΩ | ± 5% | 1/8W | |
| R228 | RMF-TC1R8KFJ | FXD | METAL | 1.8kΩ | ± 1% | 1/4W | |
| R232 | RCB-AG390K | FXD | CAR | 390kΩ | ± 5% | 1/8W | |
| R233 | RCB-AG12K | FXD | CAR | 12kΩ | ± 5% | 1/8W | |
| R234 -235 | RMF-TC1R5KFJ | FXD | CAR | 1.5kΩ | ± 5% | 1/8W | |
| TP1 -5 | MBM-10372A | | | | | | |
| U1 -2 | SIA-412-1 | OP AMP DUAL LOW DRIFT, LOW OFFSET | | | | | |
| U3 -4 | SIA-DA7542-4 | 12-BIT D/A CONVERTER WITH BUFFER | | | | | |
| U5 -6 | SIA-412-1 | OP AMP DUAL LOW DRIFT, LOW OFFSET | | | | | |
| U7 | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | | | | | |
| U8 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | | | | | |
| U9 | SIA-412-1 | OP AMP DUAL LOW DRIFT, LOW OFFSET | | | | | |
| U10 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | | | | | |
| U11 | SIA-TL072 | OP AMP DUAL LOW NOISE | | | | | |
| U12 | SIA-DA7542-4 | 12-BIT D/A CONVERTER WITH BUFFER | | | | | |
| U13 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | | | | | |
| U14 | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | | | | | |
| U15 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | | | | | |
| U16 -18 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | | | | | |

R3265/3271
RF I/O
BLS-017508 x 02 (9 of 9)

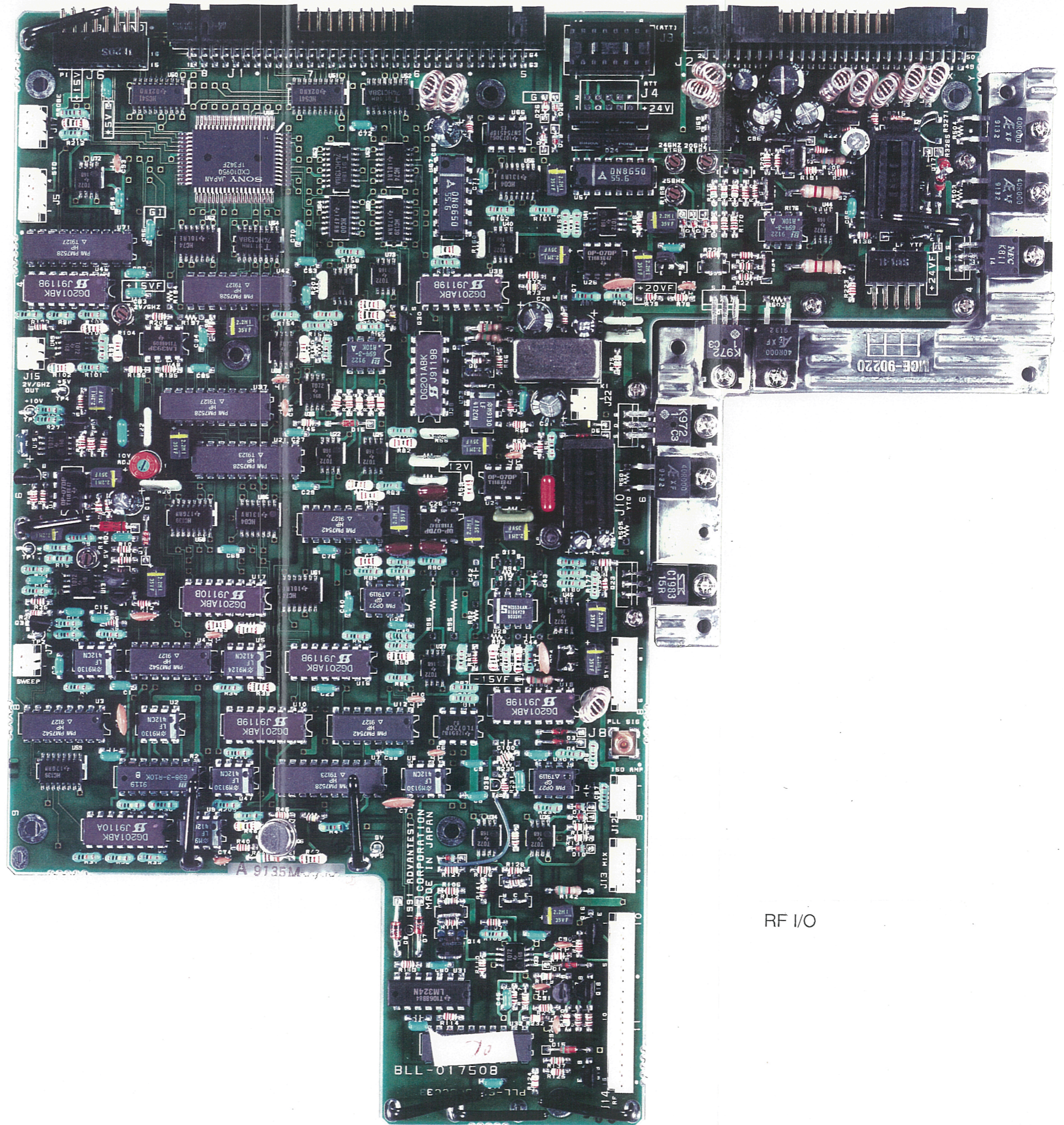
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| U20 | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U21 | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U22 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U23 | SIA-412-1 | OP AMP DUAL LOW DRIFT, LOW OFFSET | |
| U24 | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U25 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U26 | SIA-OP07P-2 | OP AMP LOW NOISE LOW OFFSET | |
| U27 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U28 | SIA-OP27GD-2 | OP AMP LOW NOISE LOW OFFSET | |
| U29 | SIA-5534A-1 | OP AMP LOW NOISE HIGH SPEED | |
| U30 | SIA-OP27GD-2 | OP AMP LOW NOISE LOW OFFSET | |
| U31 | SIA-324 | OP AMP QUAD | |
| U32 | SIA-DA7226HP | QUAD 8-BIT D/A CONVERTER VOLTAGE OUT | |
| U33 -36 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U37 | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U38 -39 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U40 -41 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U42 | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U43 -45 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U46 | SIA-DG201-3 | CMOS QUAD SPST SWITCH | |
| U47 | SIA-412-1 | OP AMP DUAL LOW DRIFT, LOW OFFSET | |
| U48 | SIA-393 | COMPARATOR DUAL LOW POWER LOW OFFSET | |
| U49 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U50 -51 | SIM-74HC541S | OCTAL BUFFER, WITH 3-STATE OUTPUTS | |
| U52 -54 | SIM-74HC138S | 3-TO-8 LINE DECODERS | |
| U55 | SIM-CXD1095 | I/O EXPANDER | |
| U56 | SIM-74HC04S | HEX INVERTERS | |
| U57 | SIT-DN8650 | LOW-ACTIVE DRIVERS | |
| U58 -60 | SIM-74HC139S | DUAL 2-TO-4 LINE DECODERS | |
| U61 -63 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE-TRIGGERED FLIP-FLOPS | |
| U64 | SIM-74HC00S | QUAD 2 INPUT POSITIVE NAND GATS | |
| U65 | SIM-74HC04S | HEX INVERTERS | |
| U67 | SIT-DN8650 | LOW-ACTIVE DRIVERS | |
| U68 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |
| U69 | SEE-PFA122A-1 | PHOTO MOS FET RELAY 100V | |
| U71 | SIA-DA7528-4 | DUAL 8-BIT D/A CONVERTER WITH BUFFER | |
| U72 -73 | SIA-TL072CPS-1 | OP AMP DUAL LOW NOISE | |





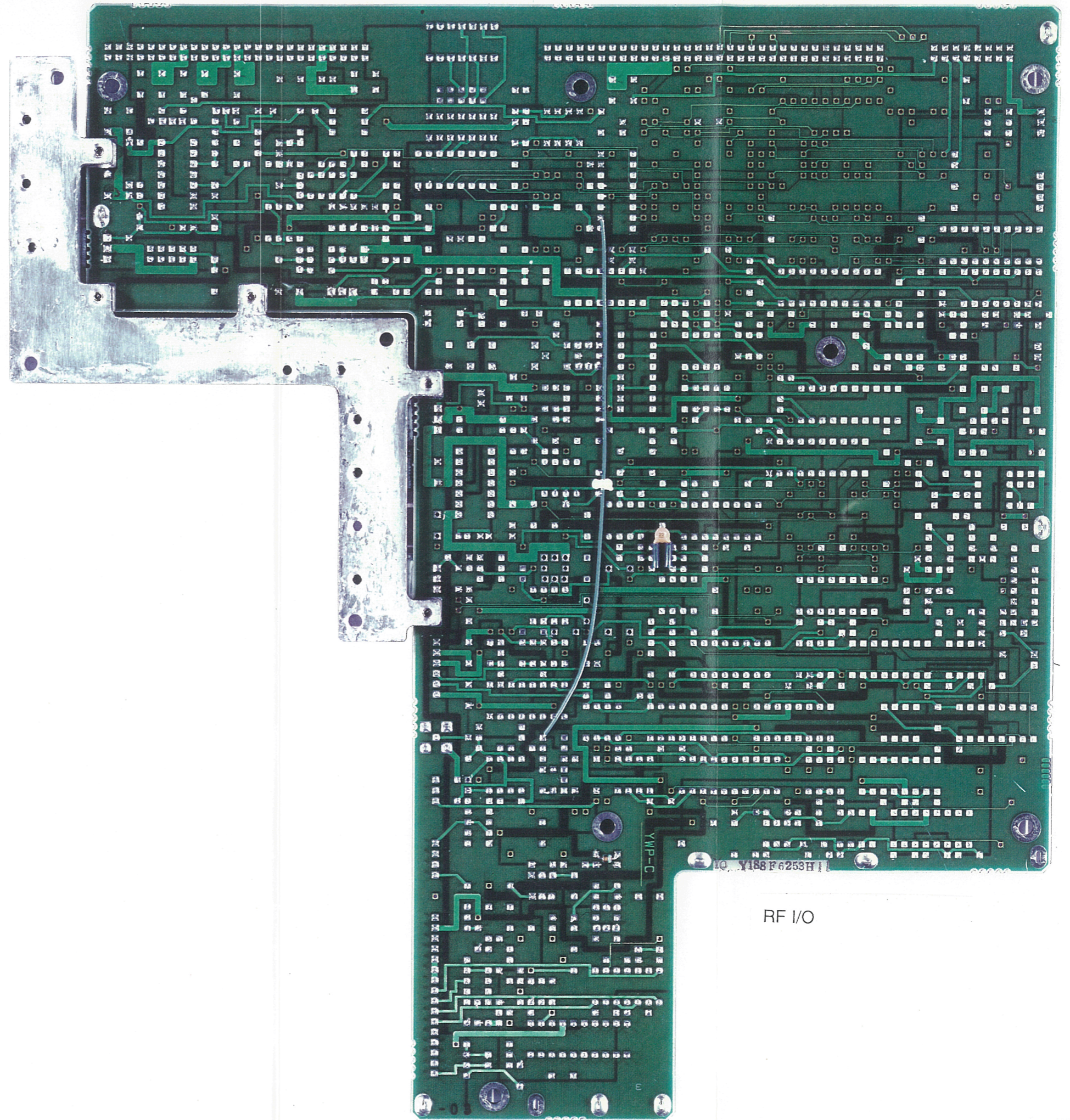
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- U19 D/A YTO MAIN TUNE
- U21A,B D/A YTO TUNE ADJ 0GHz ADJ
- Q10 YTO MAIN TUNE DRIVER
- U42 YTO OFFSET
- U71A FREQ REF ADJ
- J4(J3) J4: R3265
J3: R3271

**RF I/O
Circuit Layout**



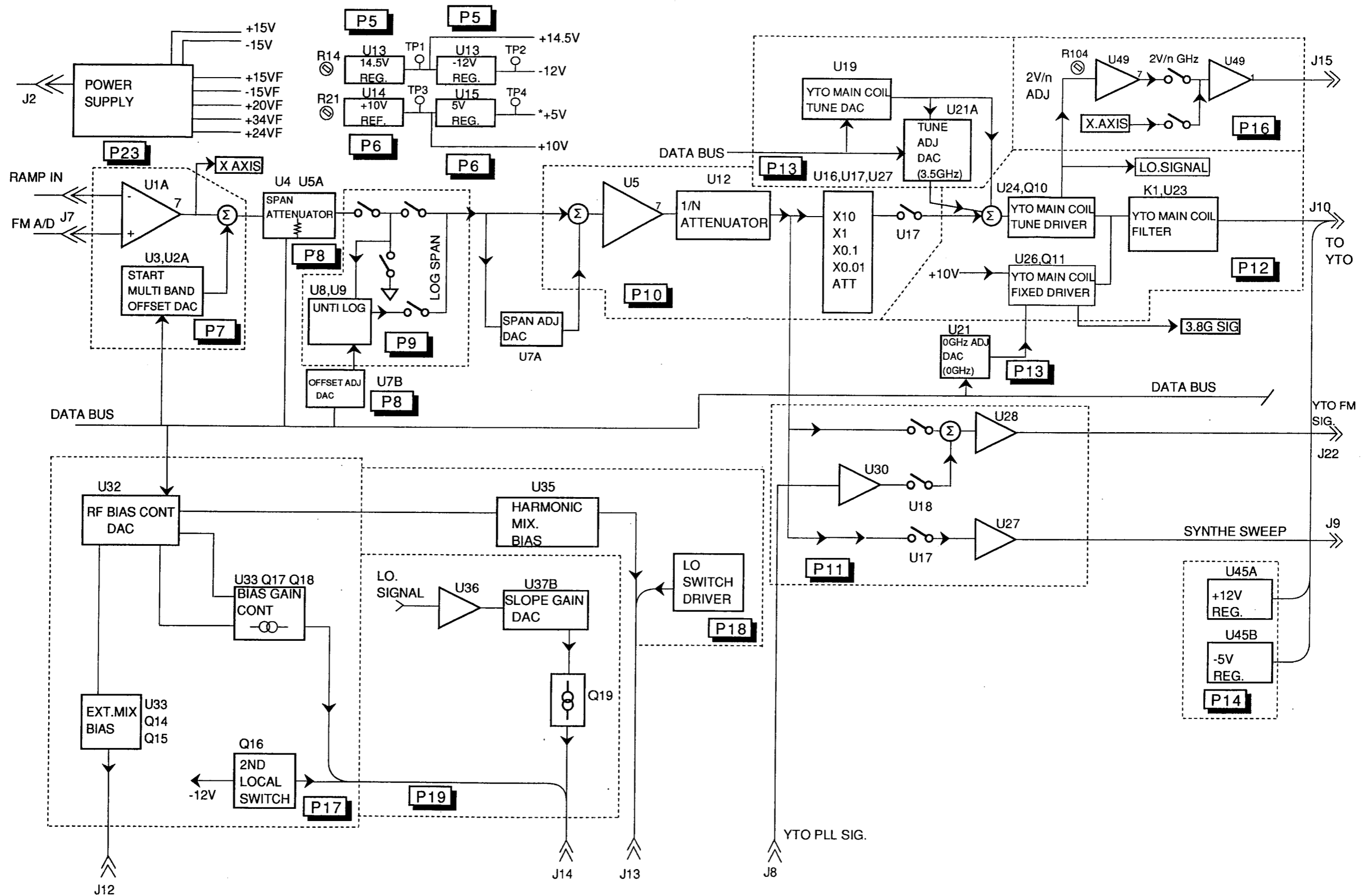
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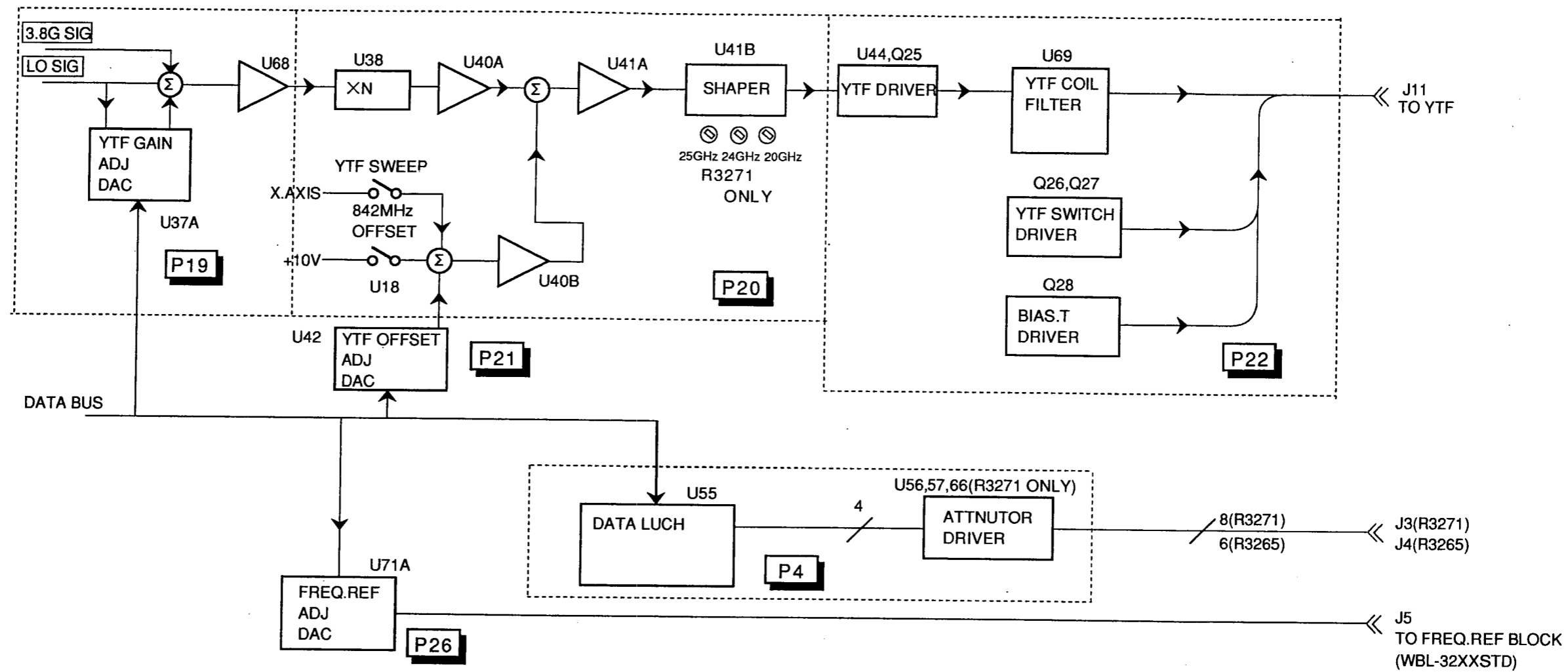
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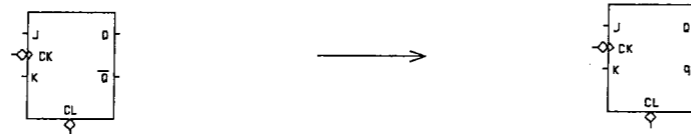




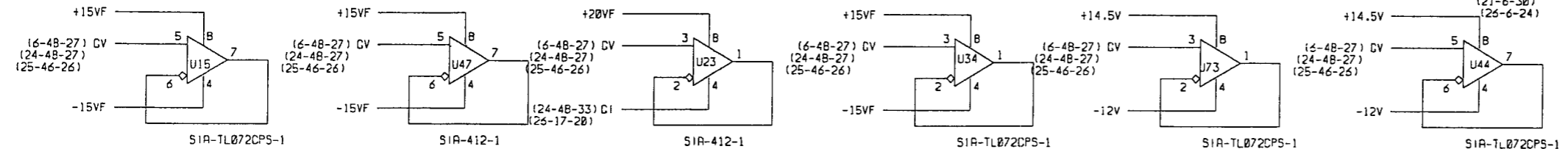
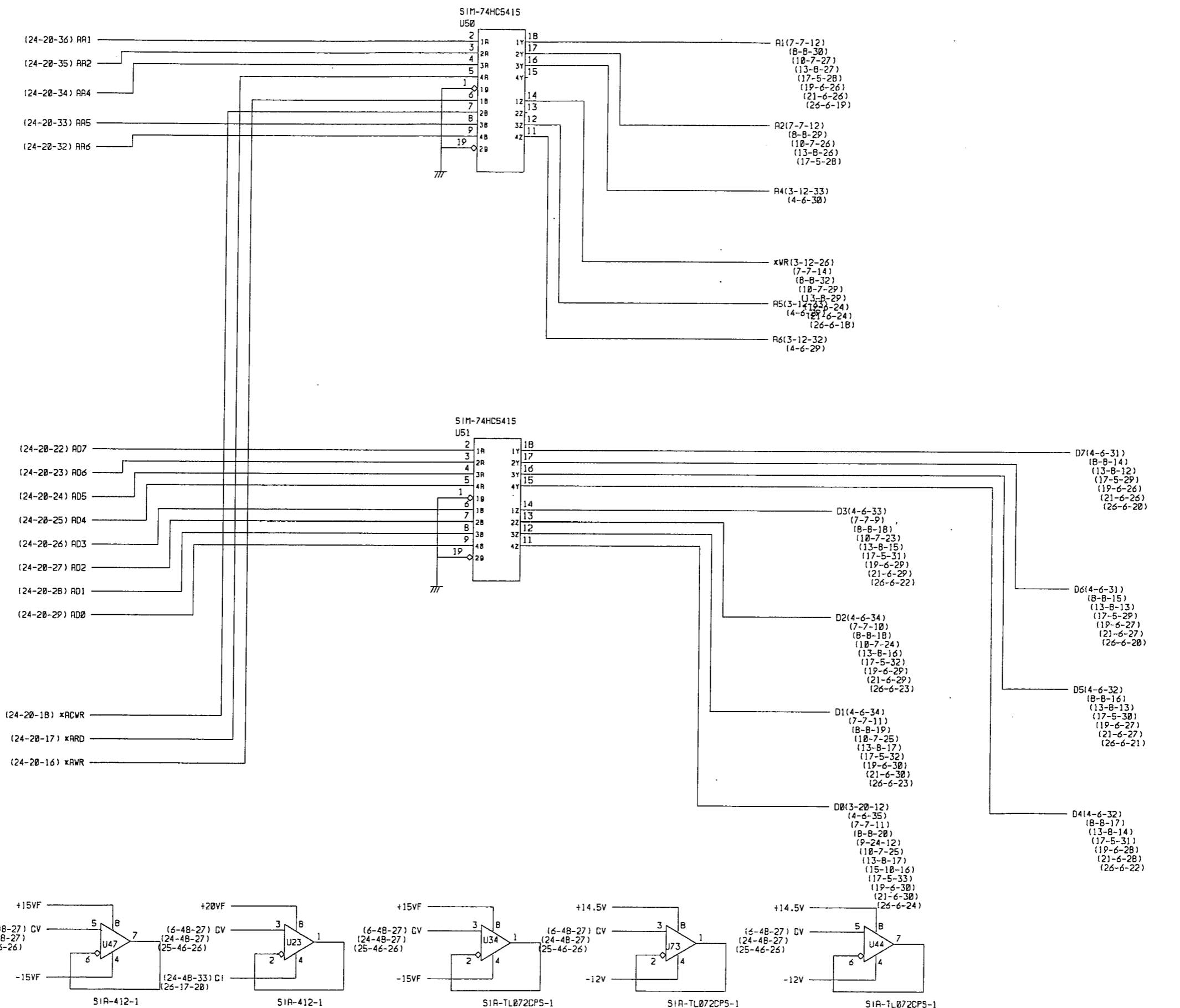
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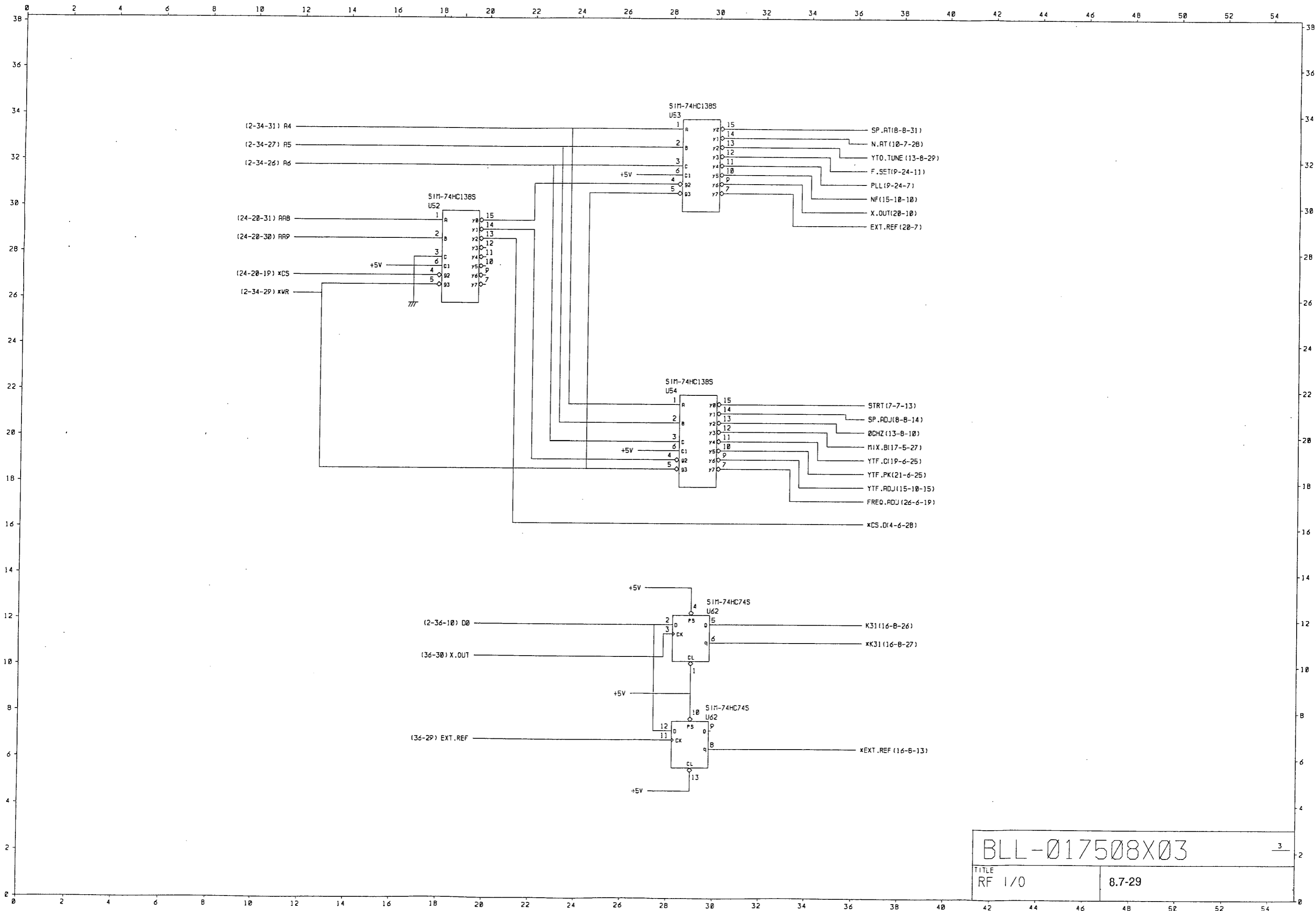
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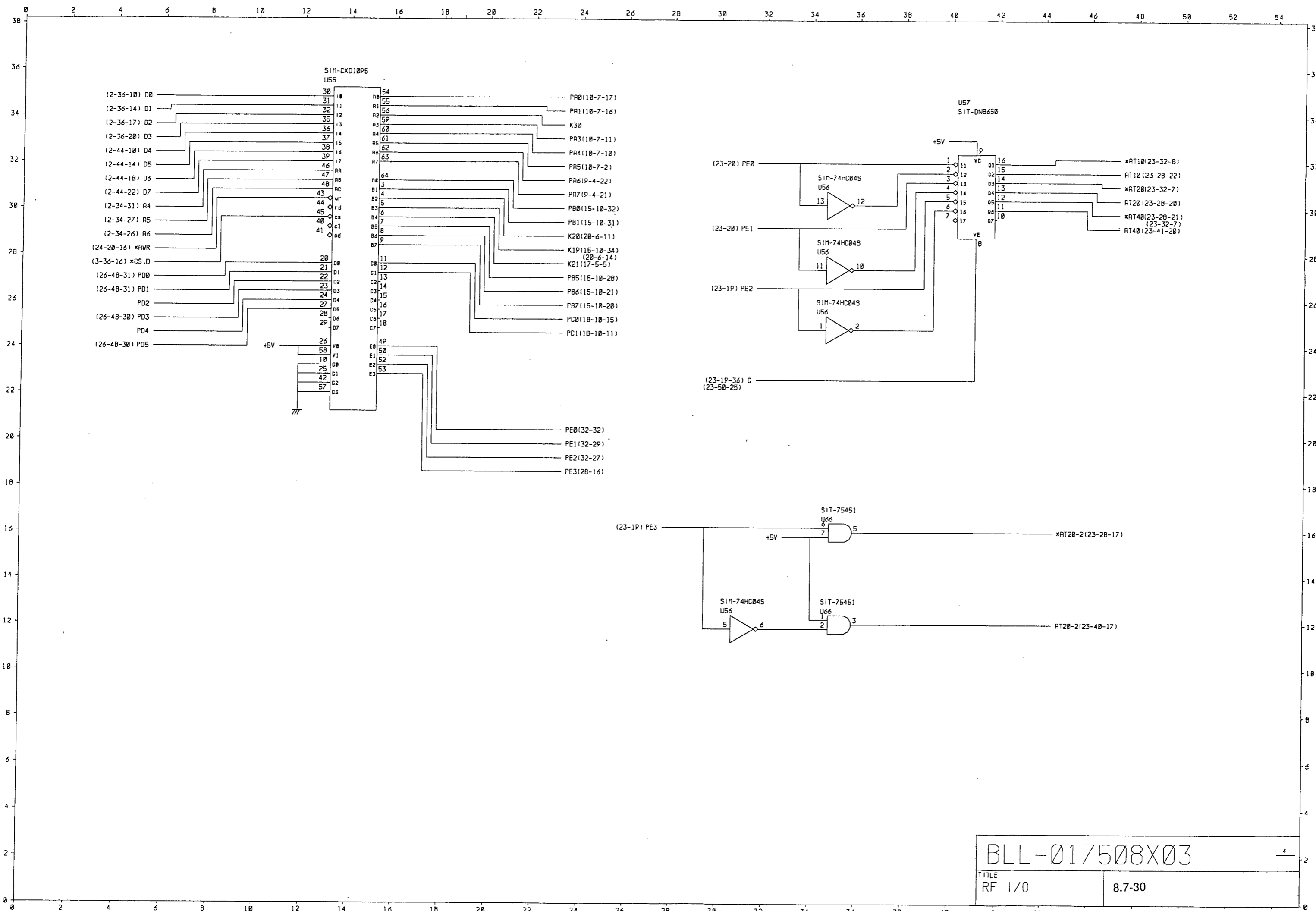
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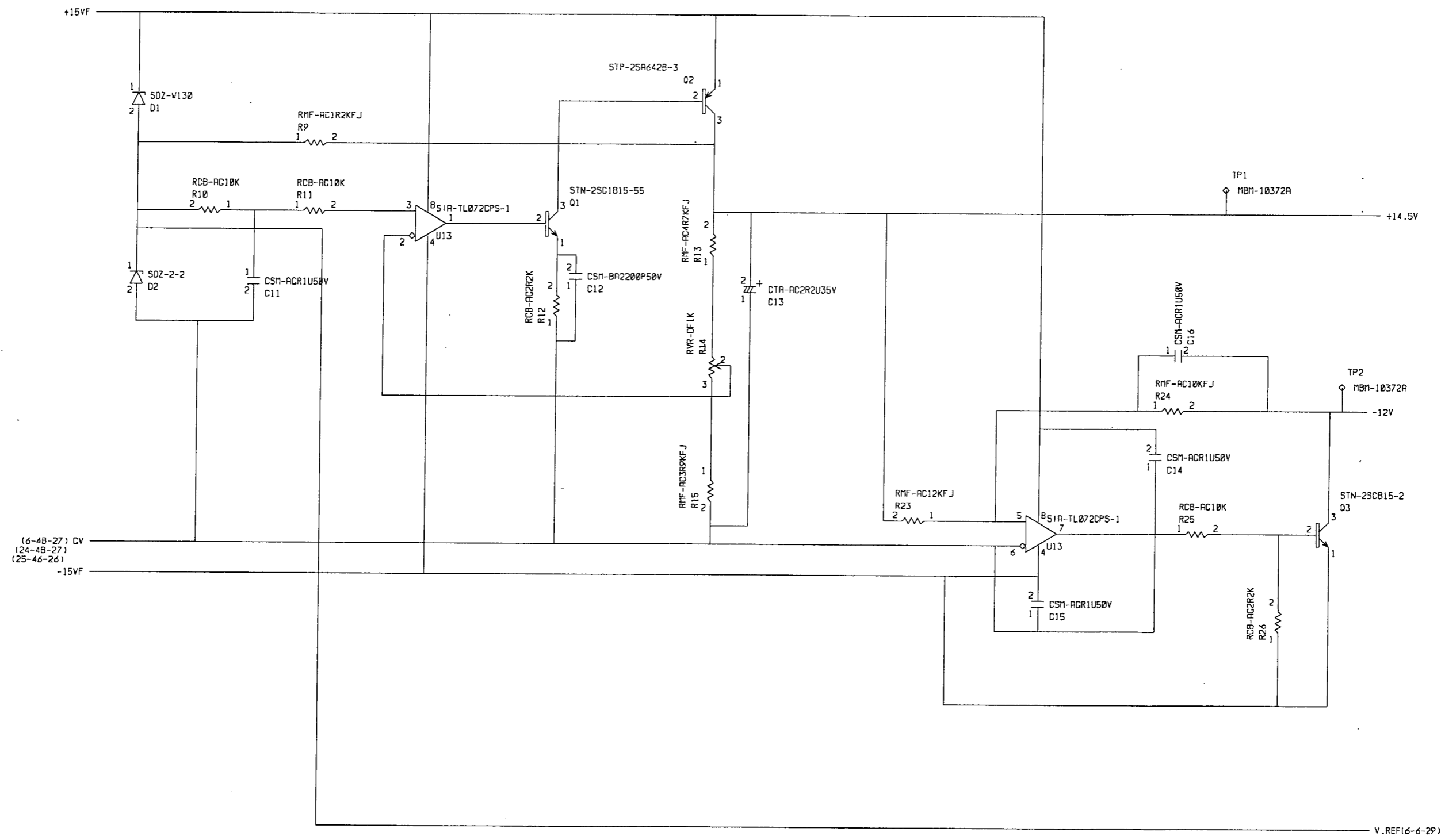


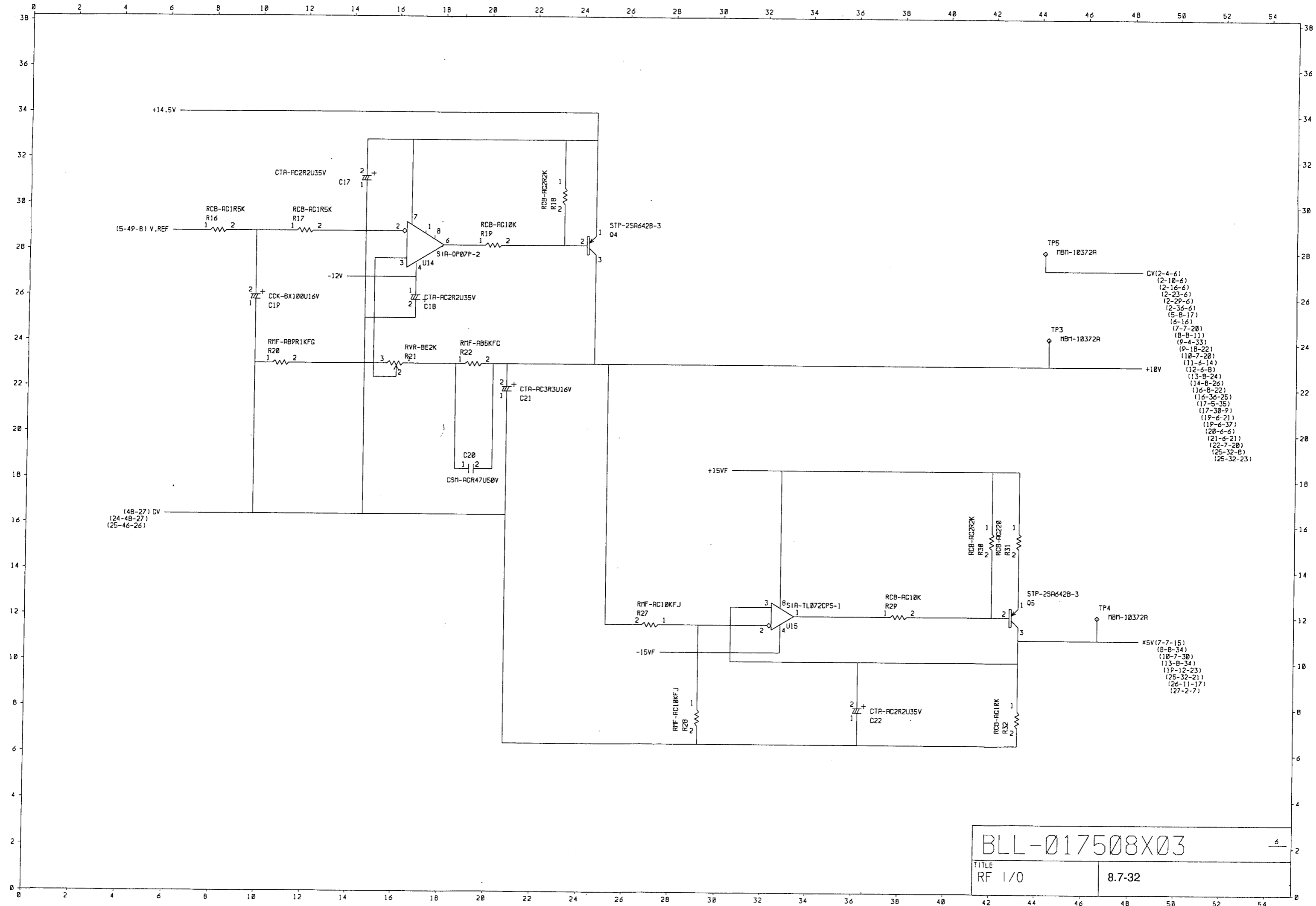
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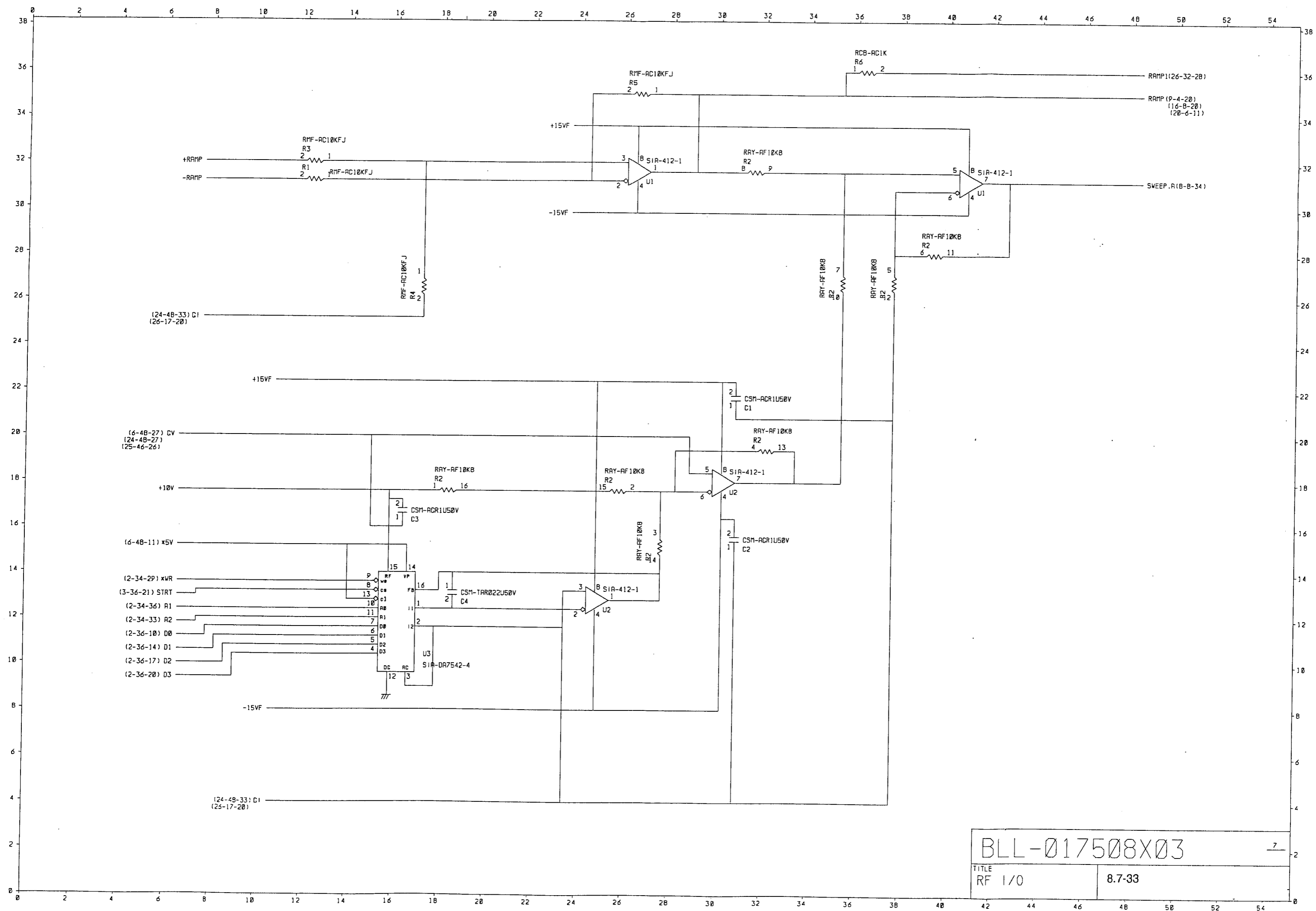




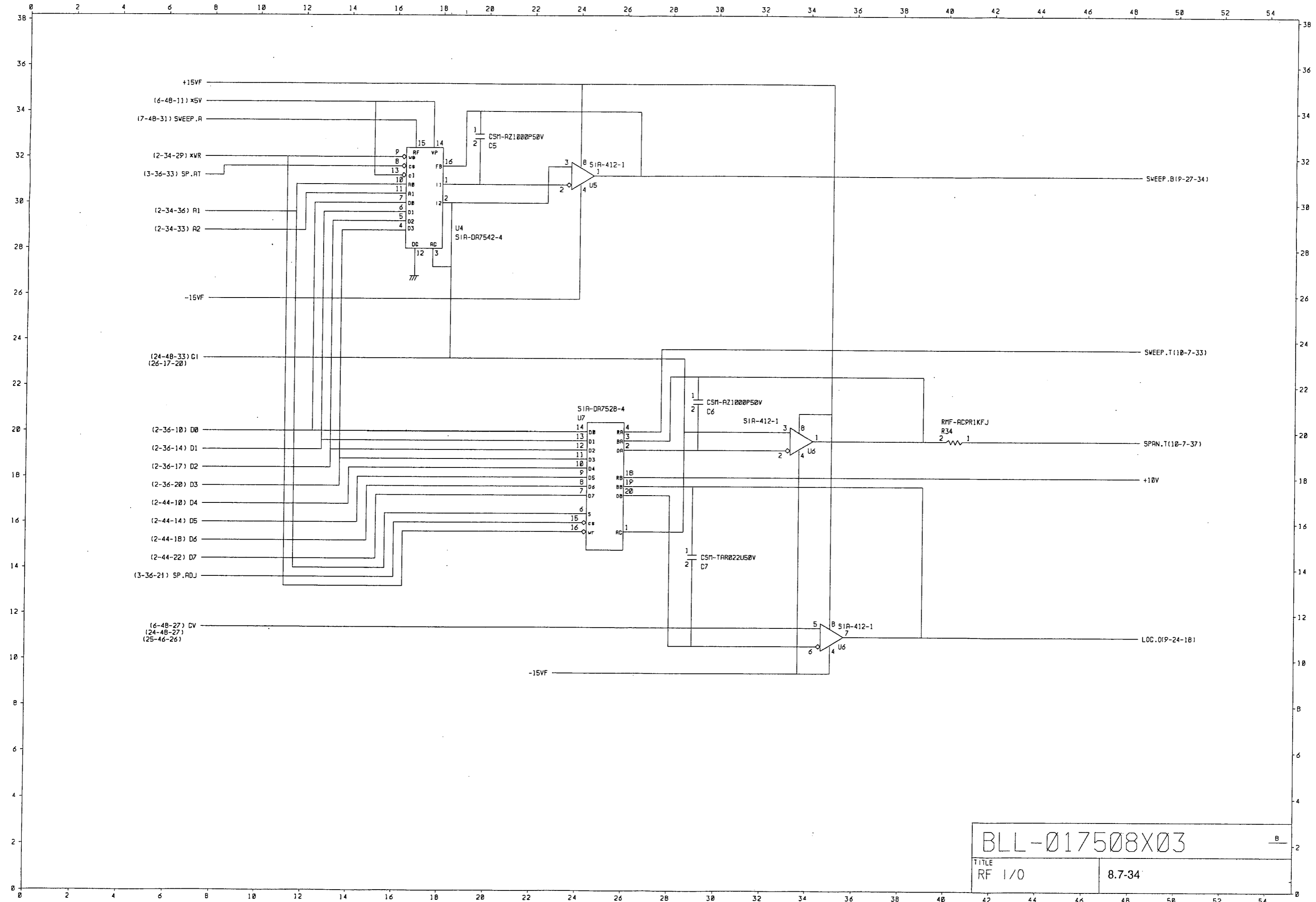




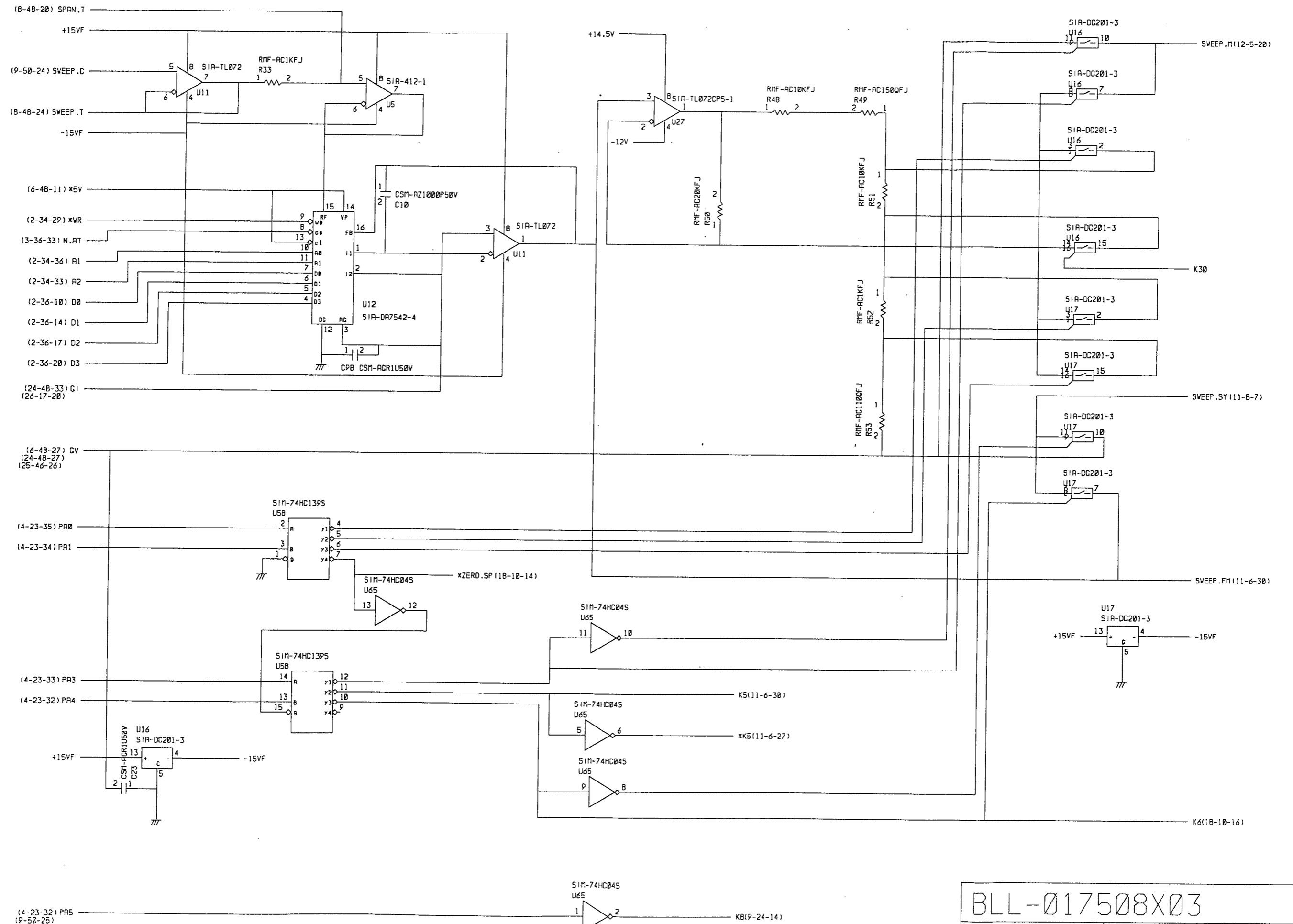
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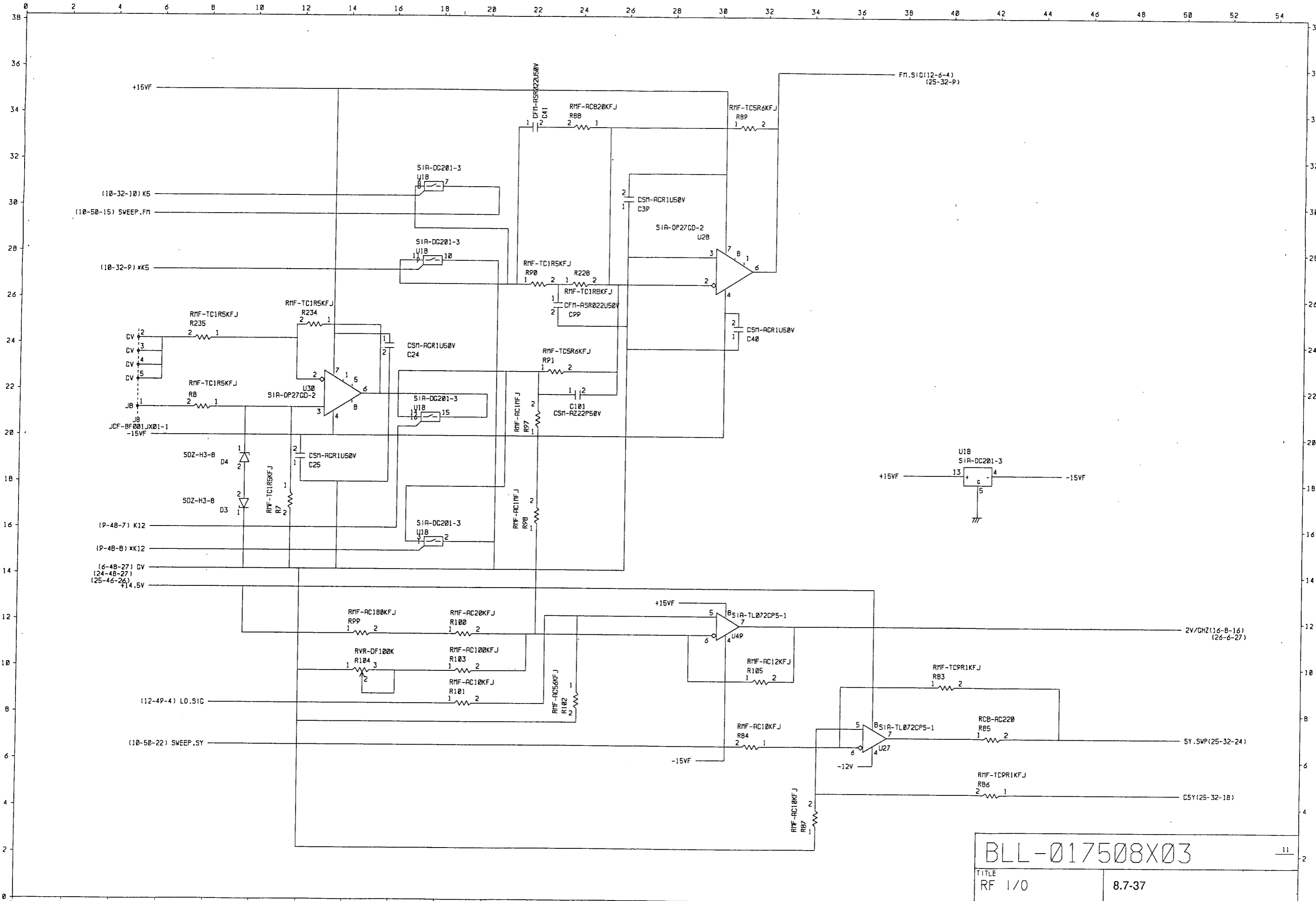
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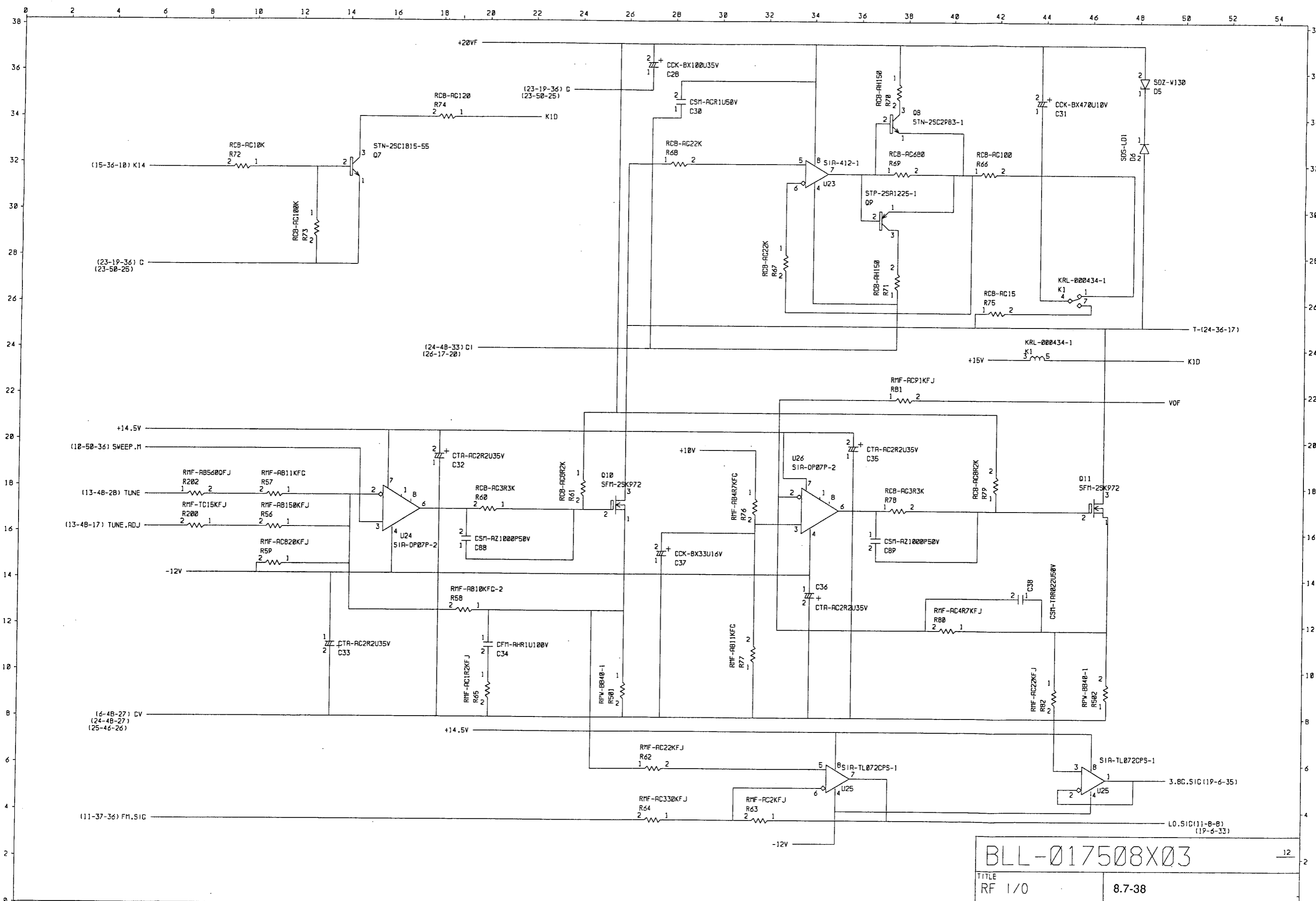


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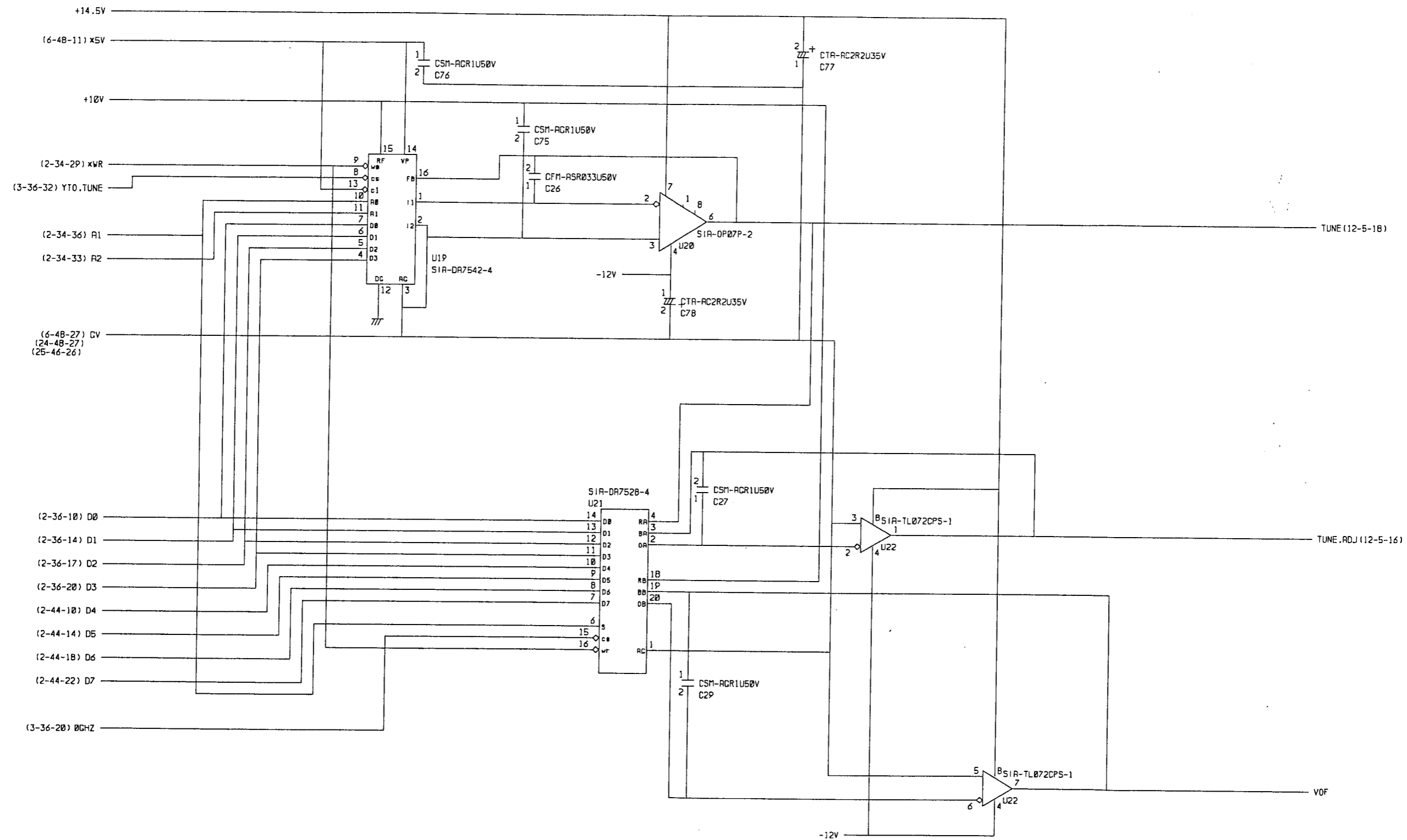


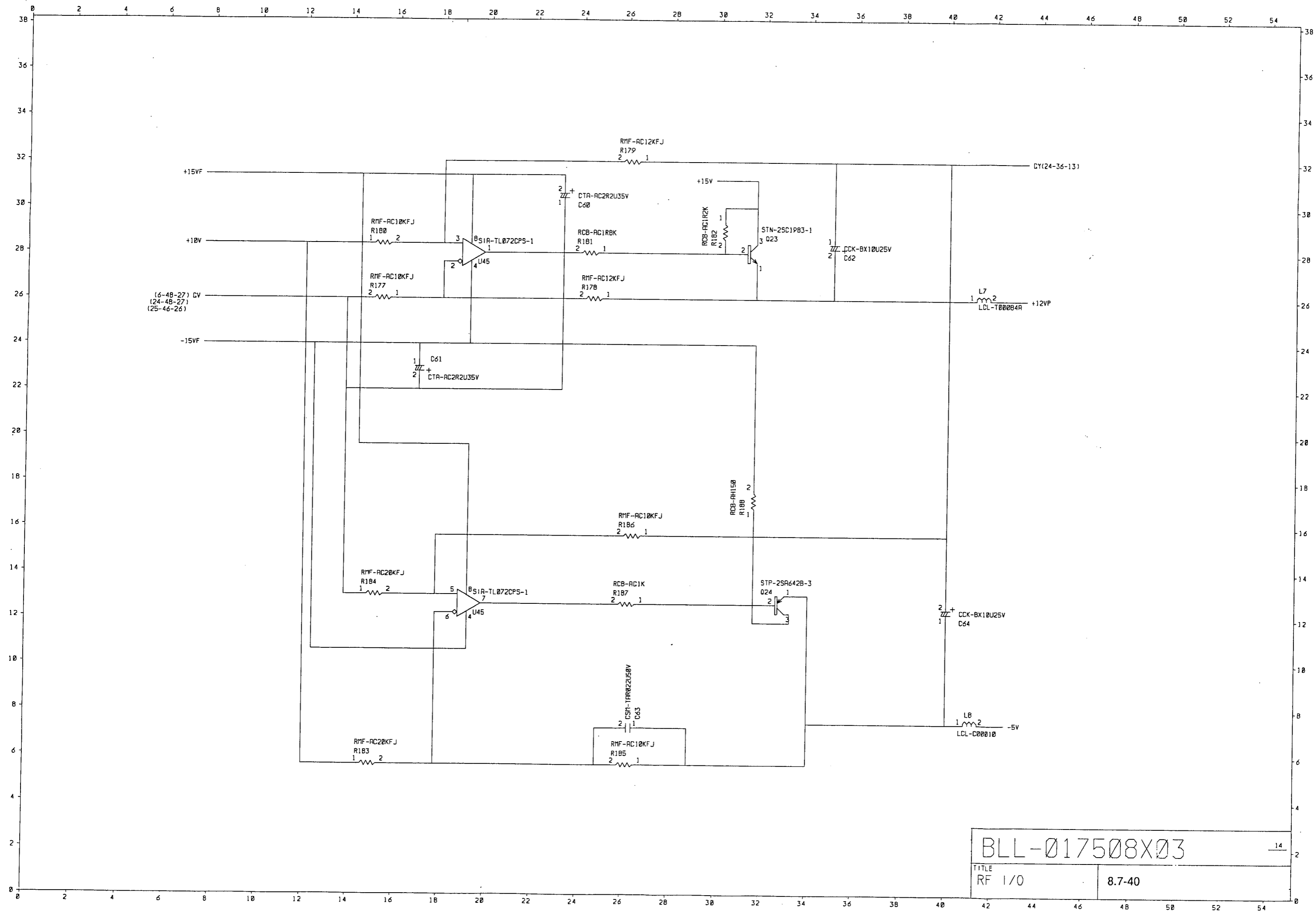
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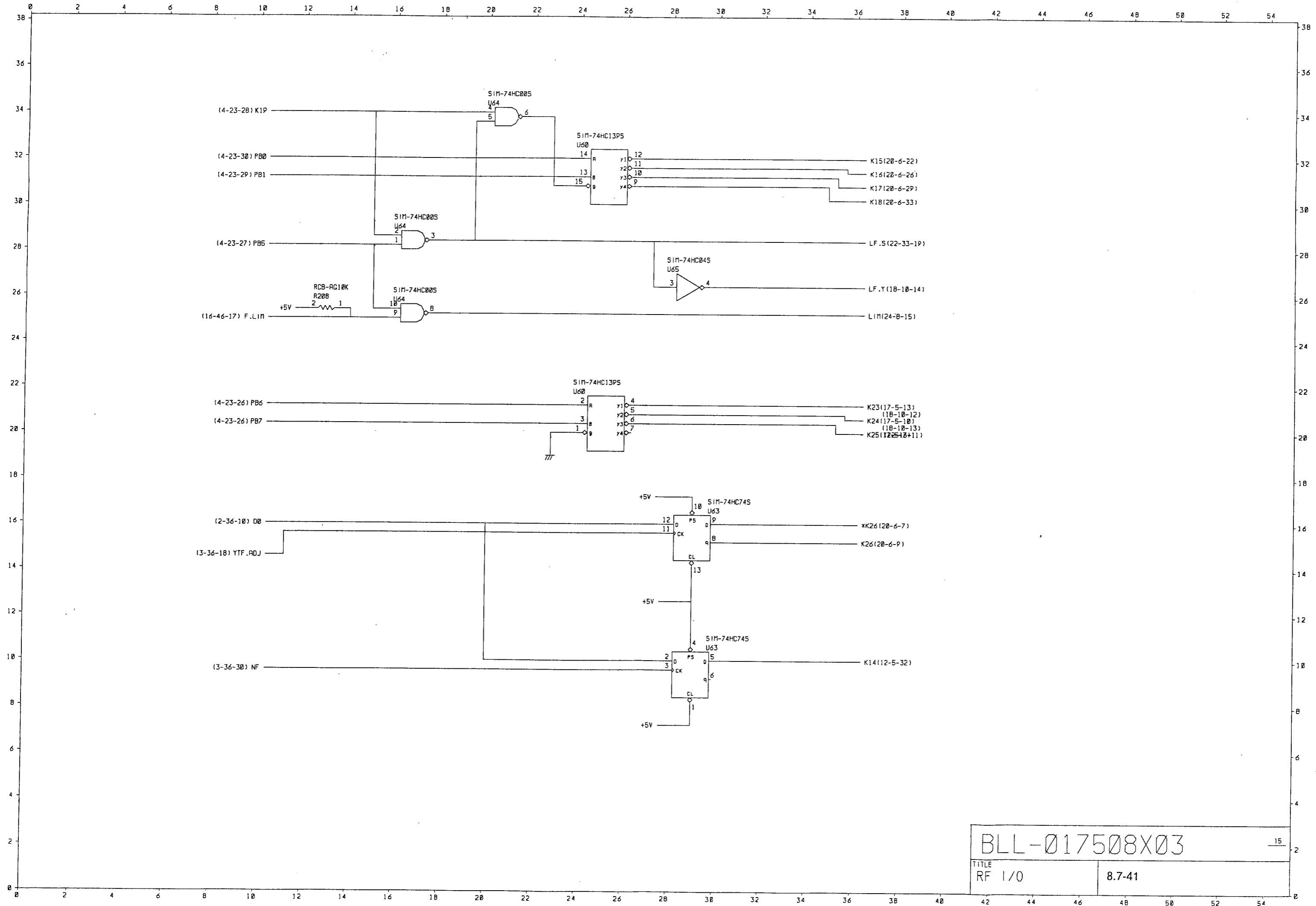


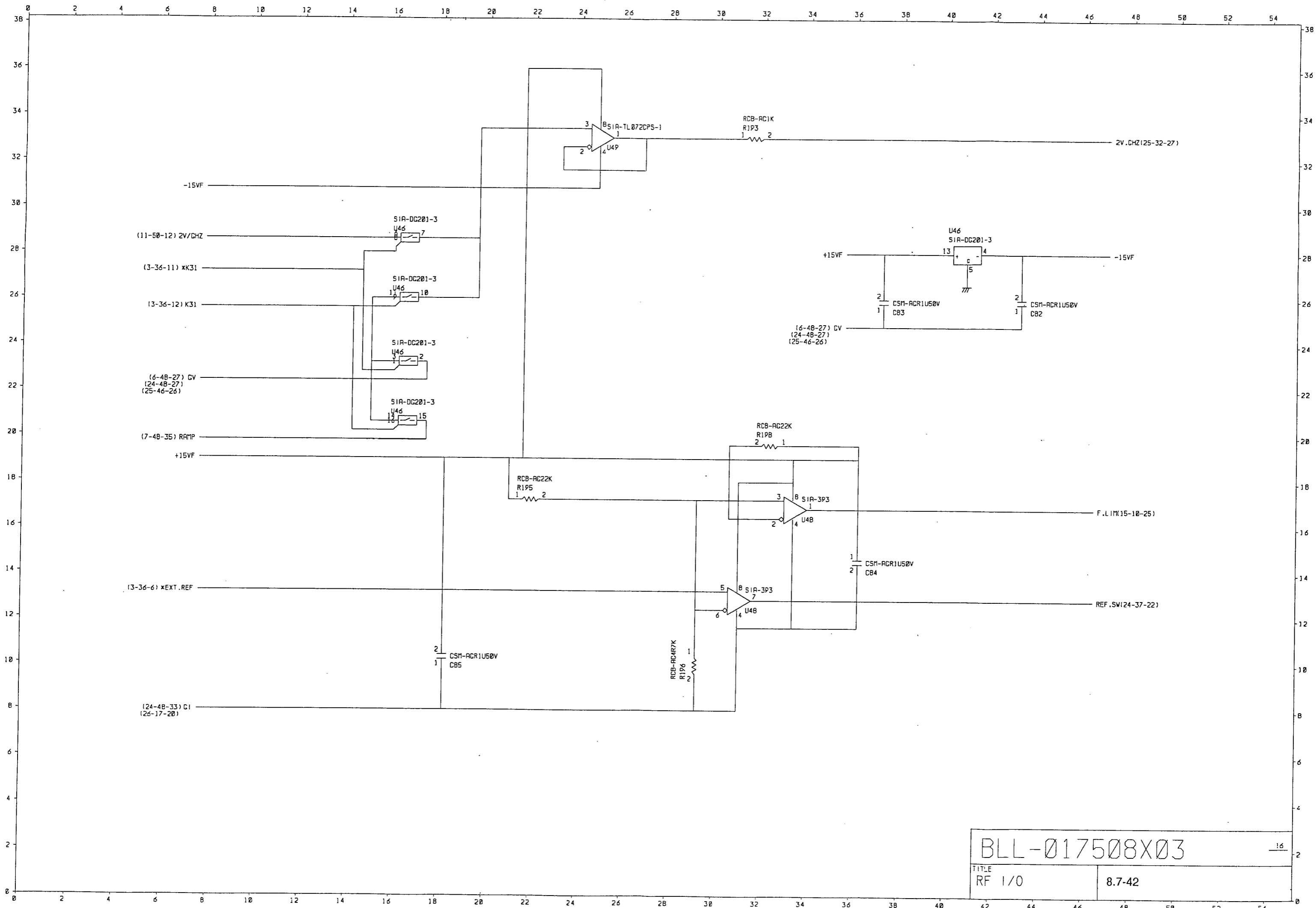
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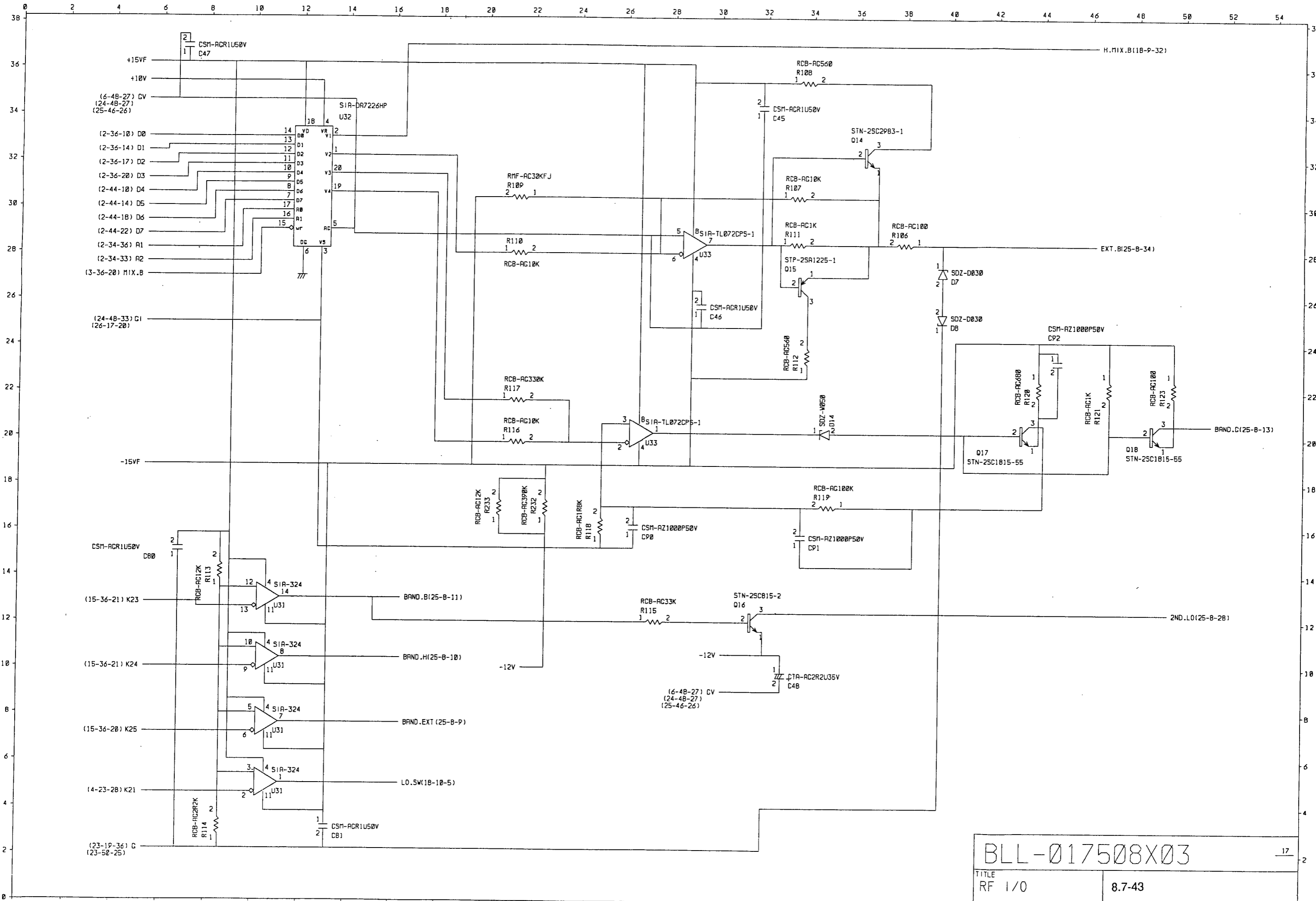


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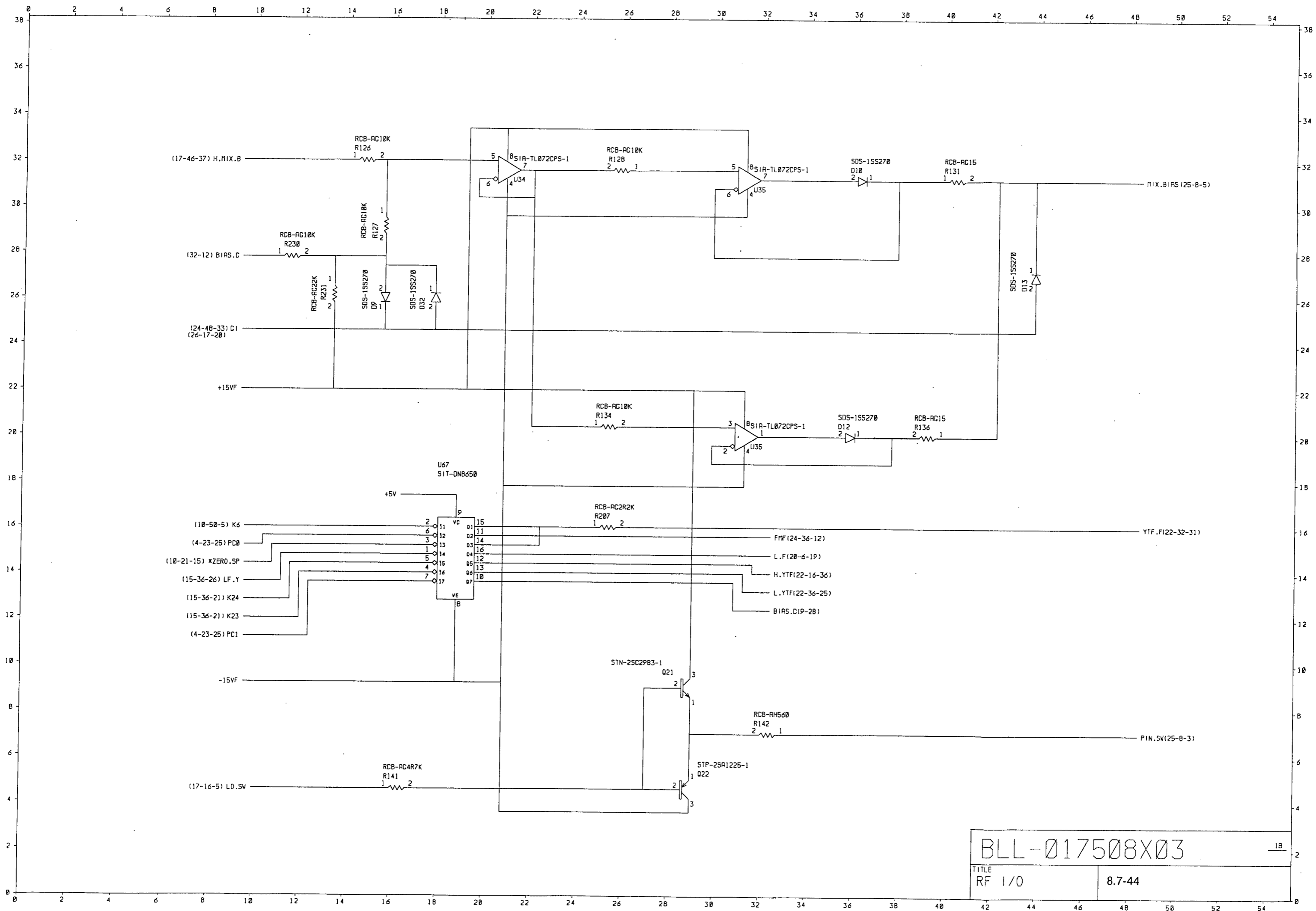


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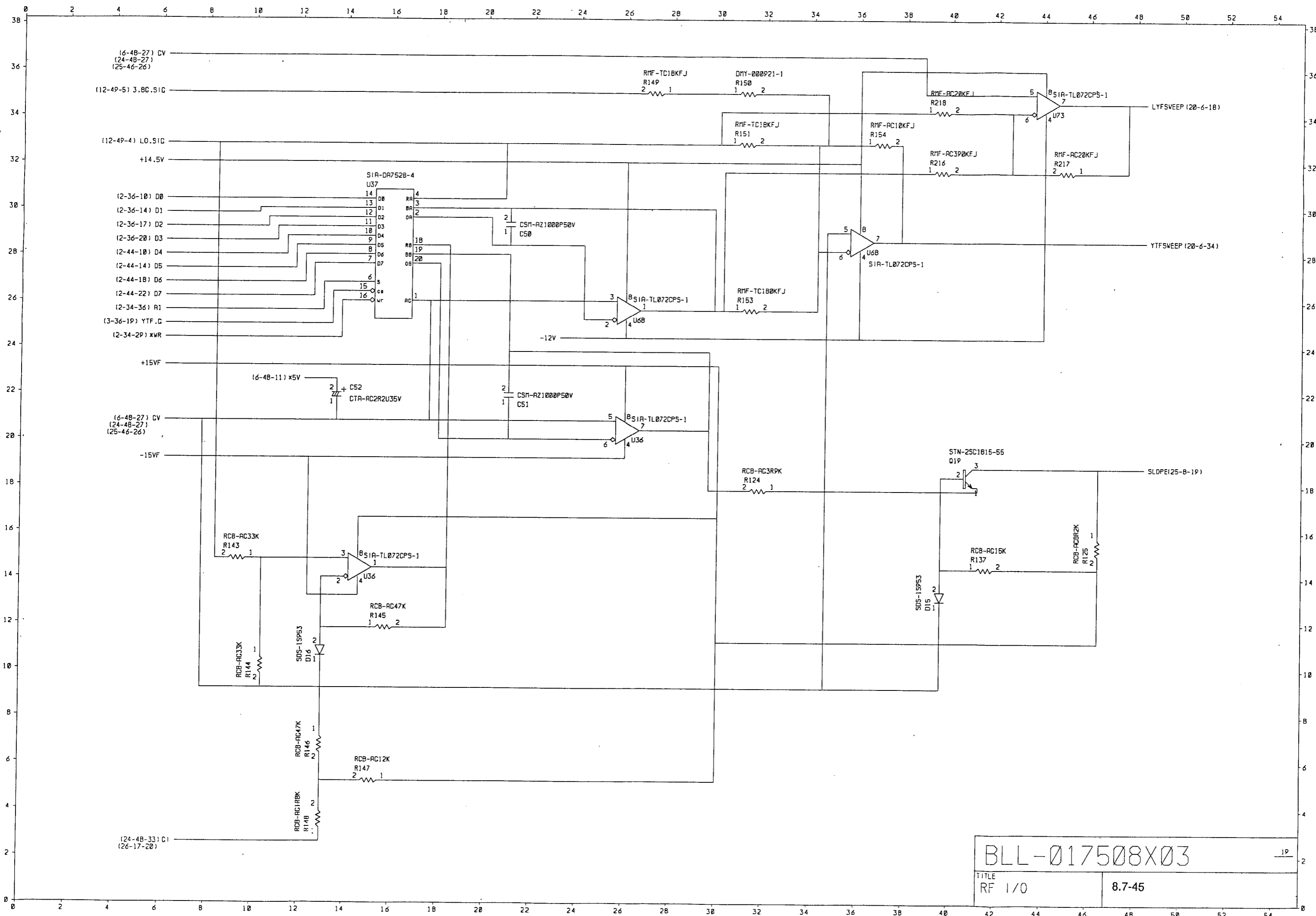


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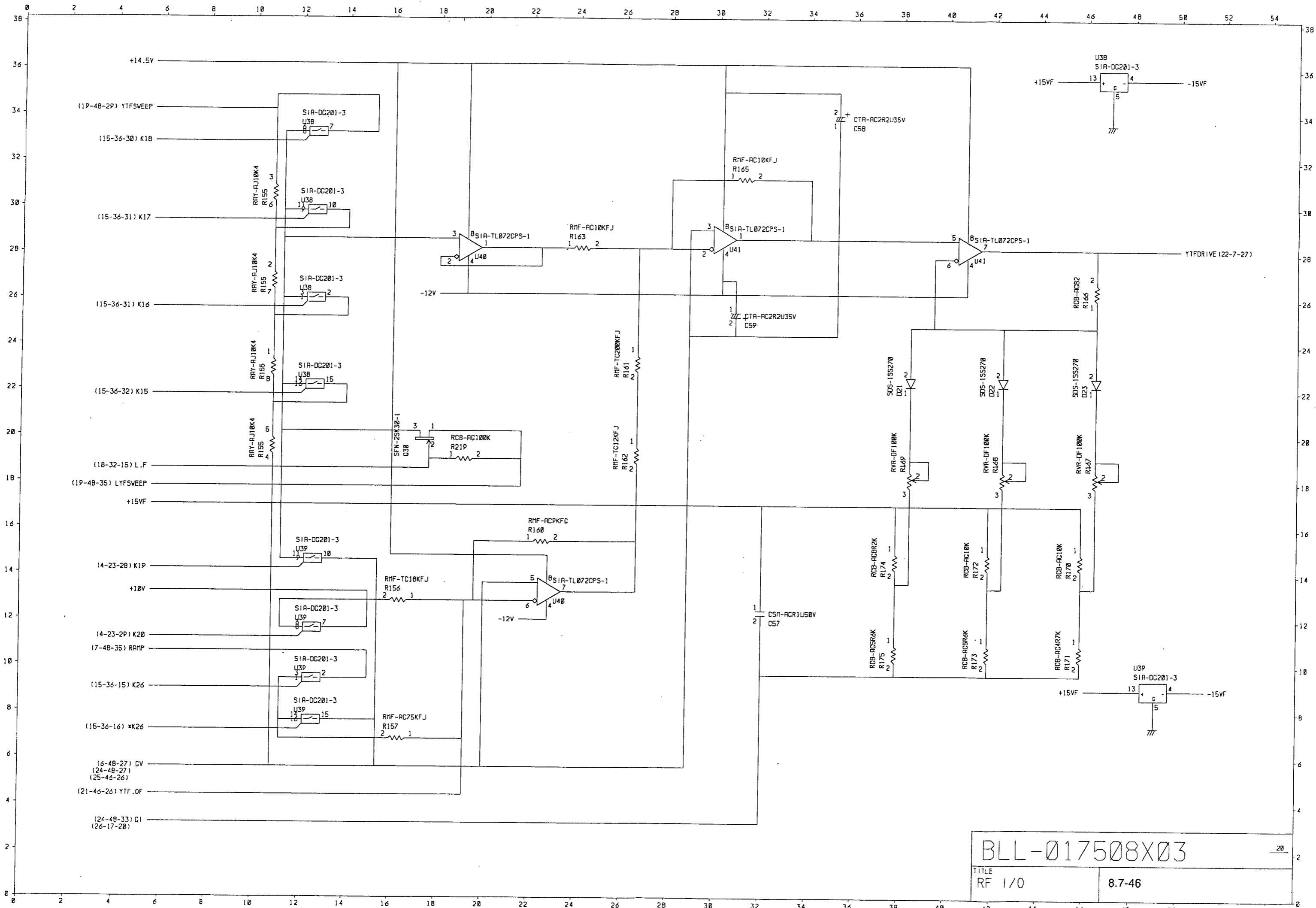
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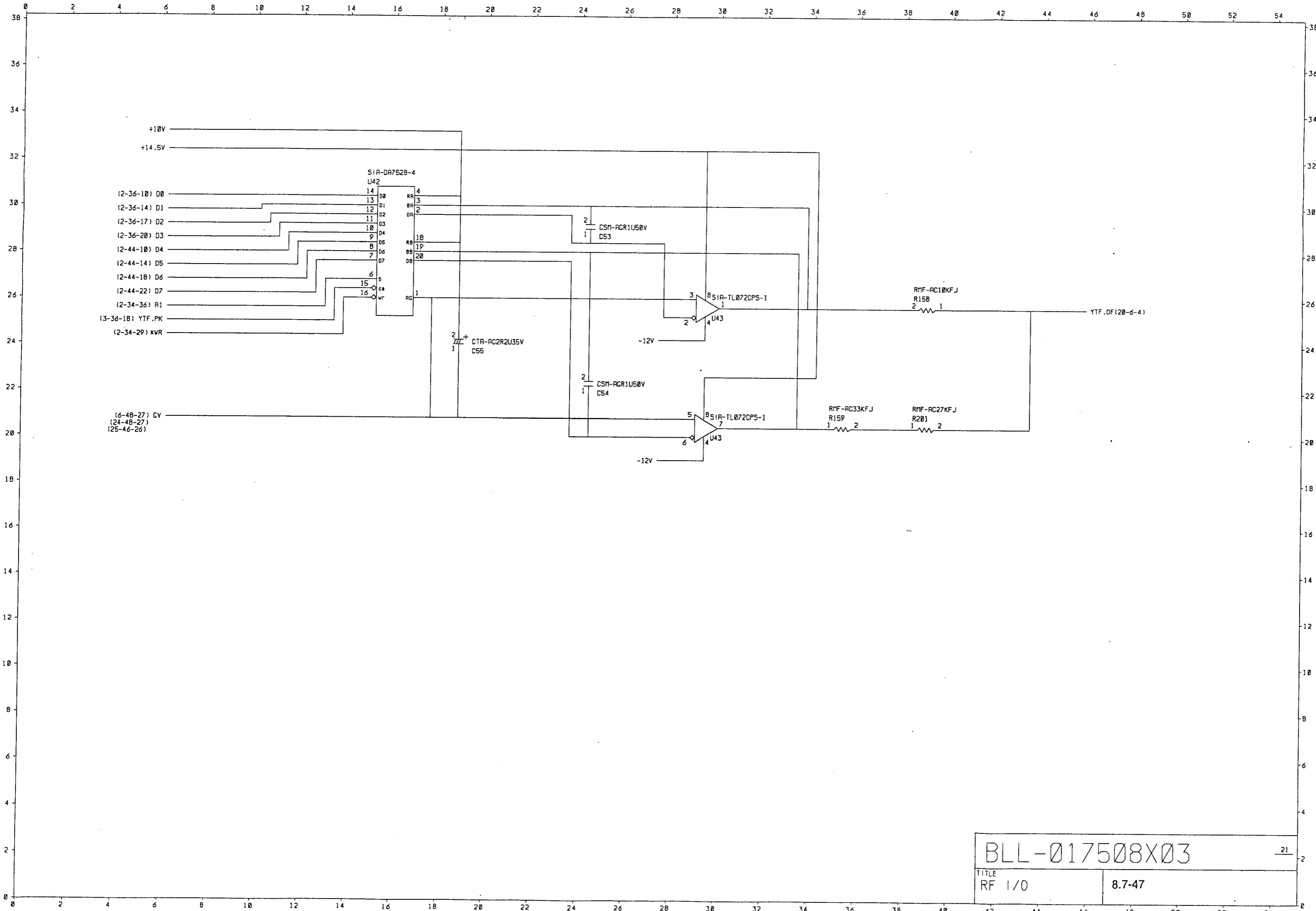
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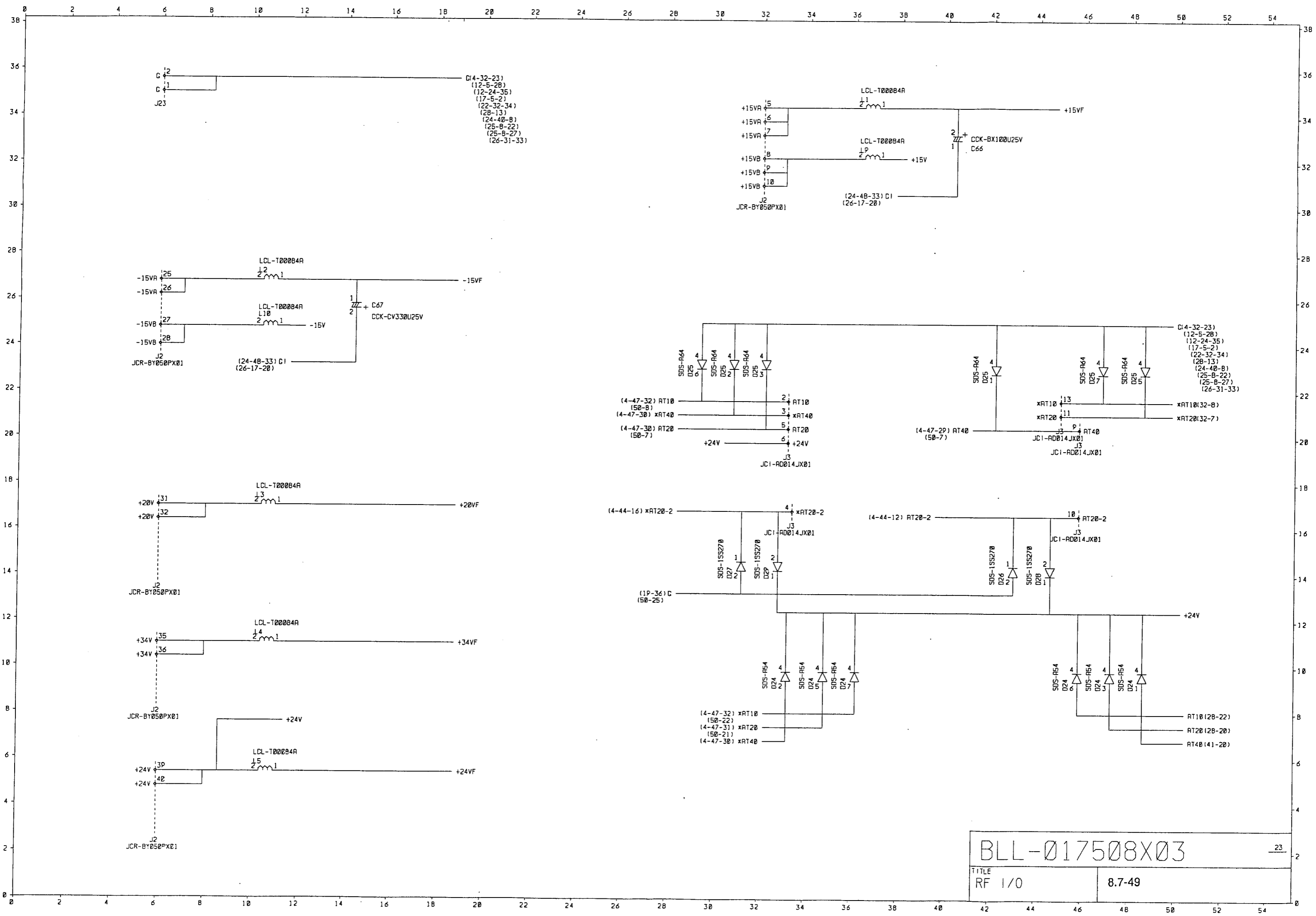
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BLL-017508X03
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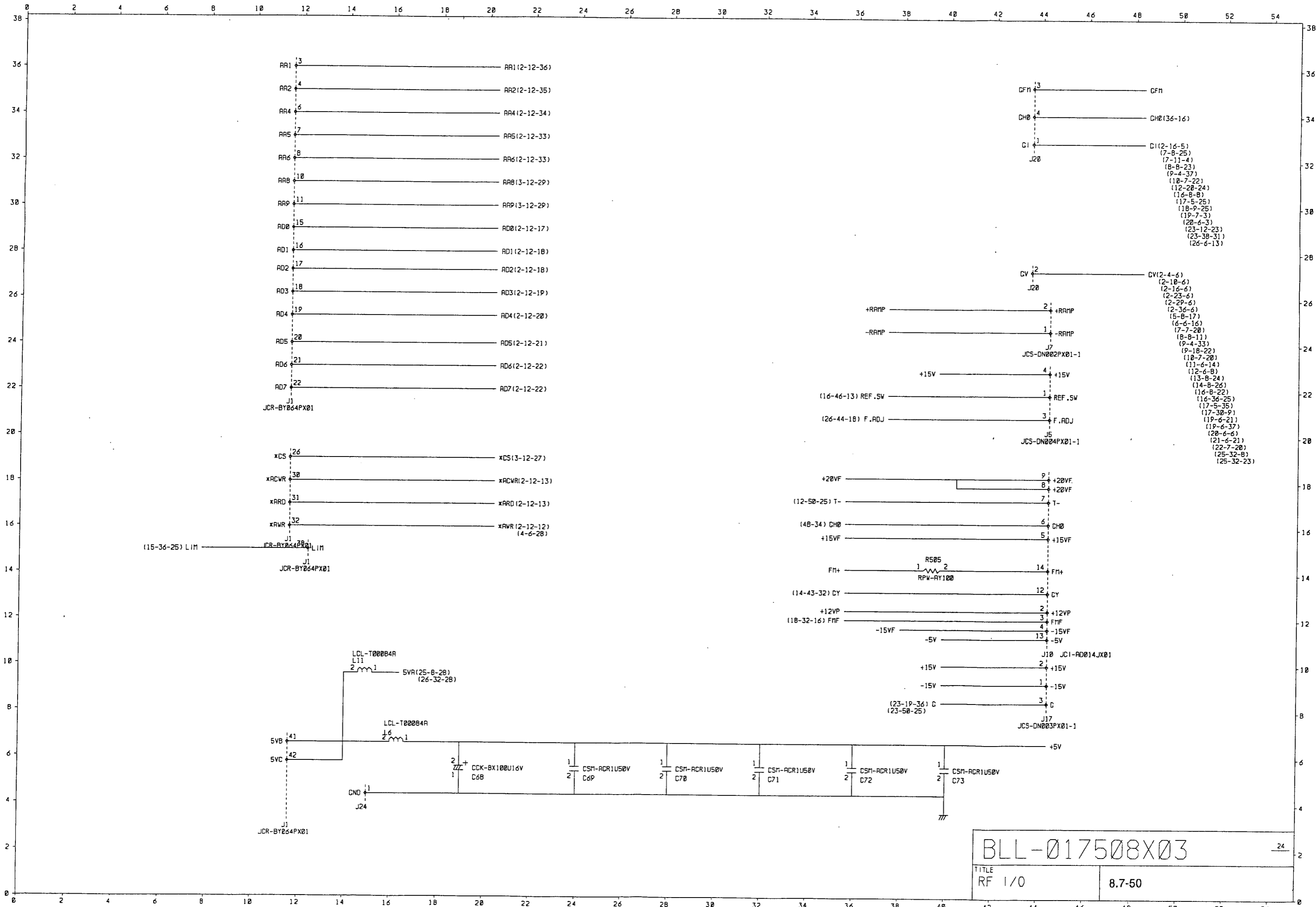




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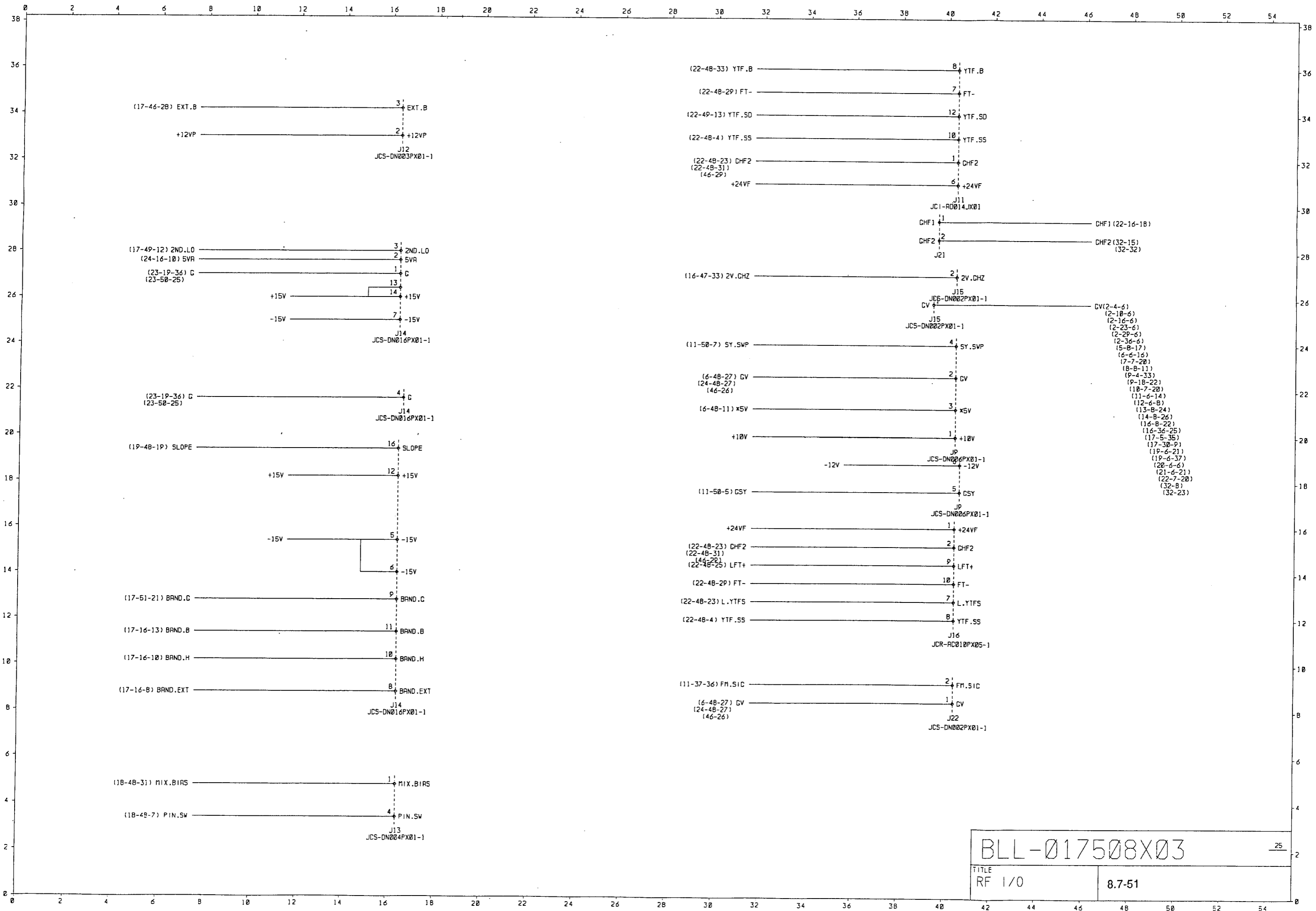
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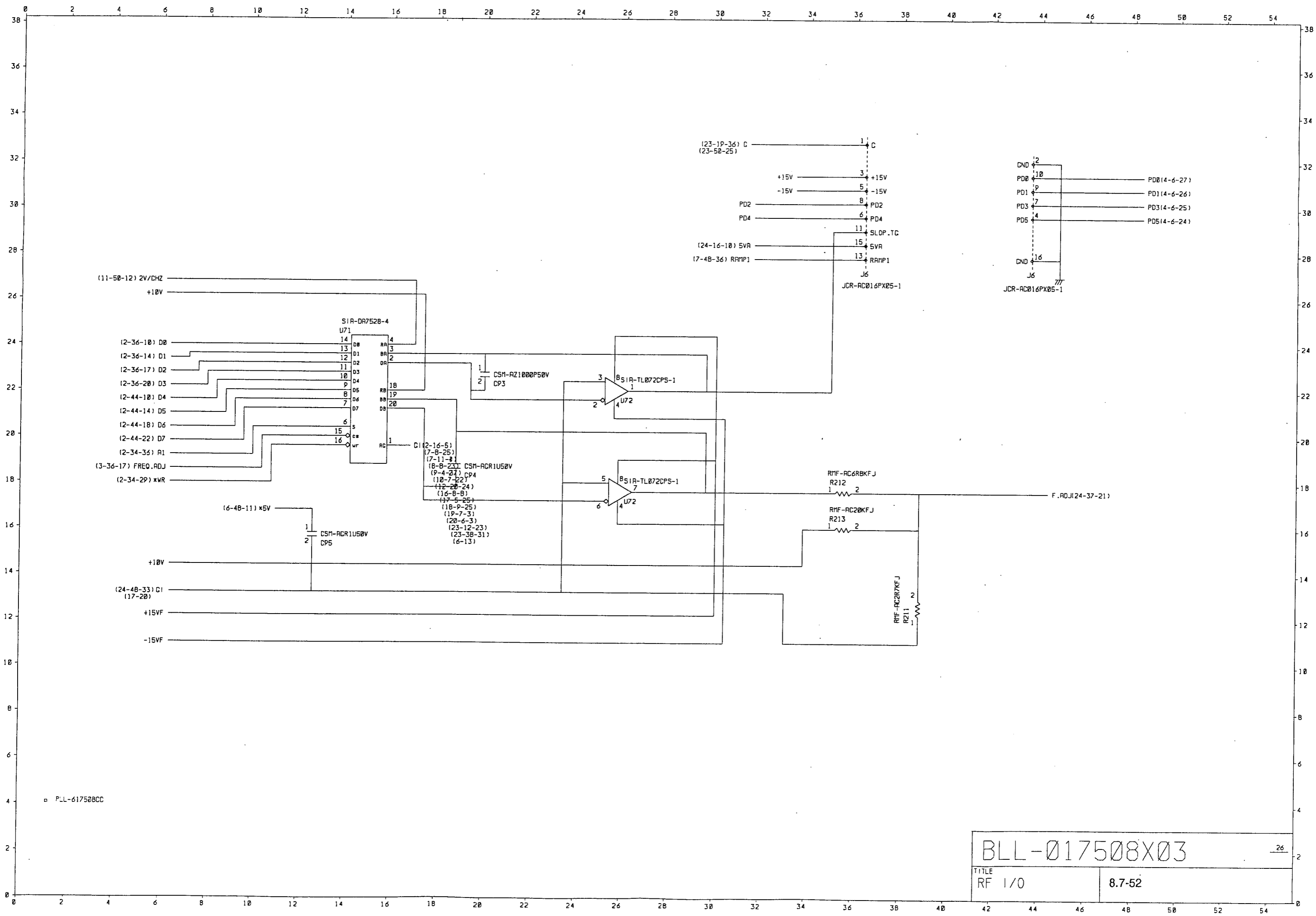
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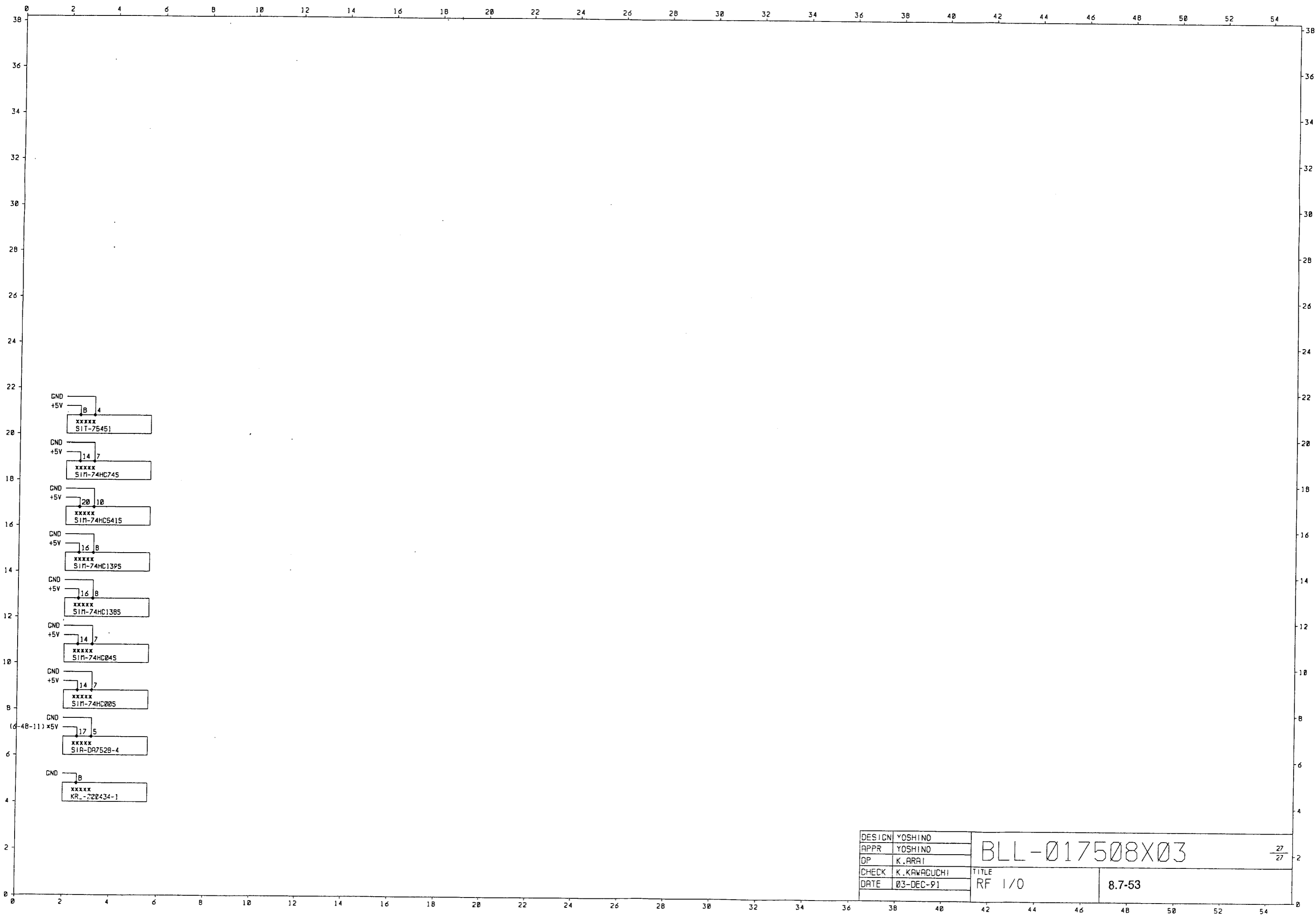
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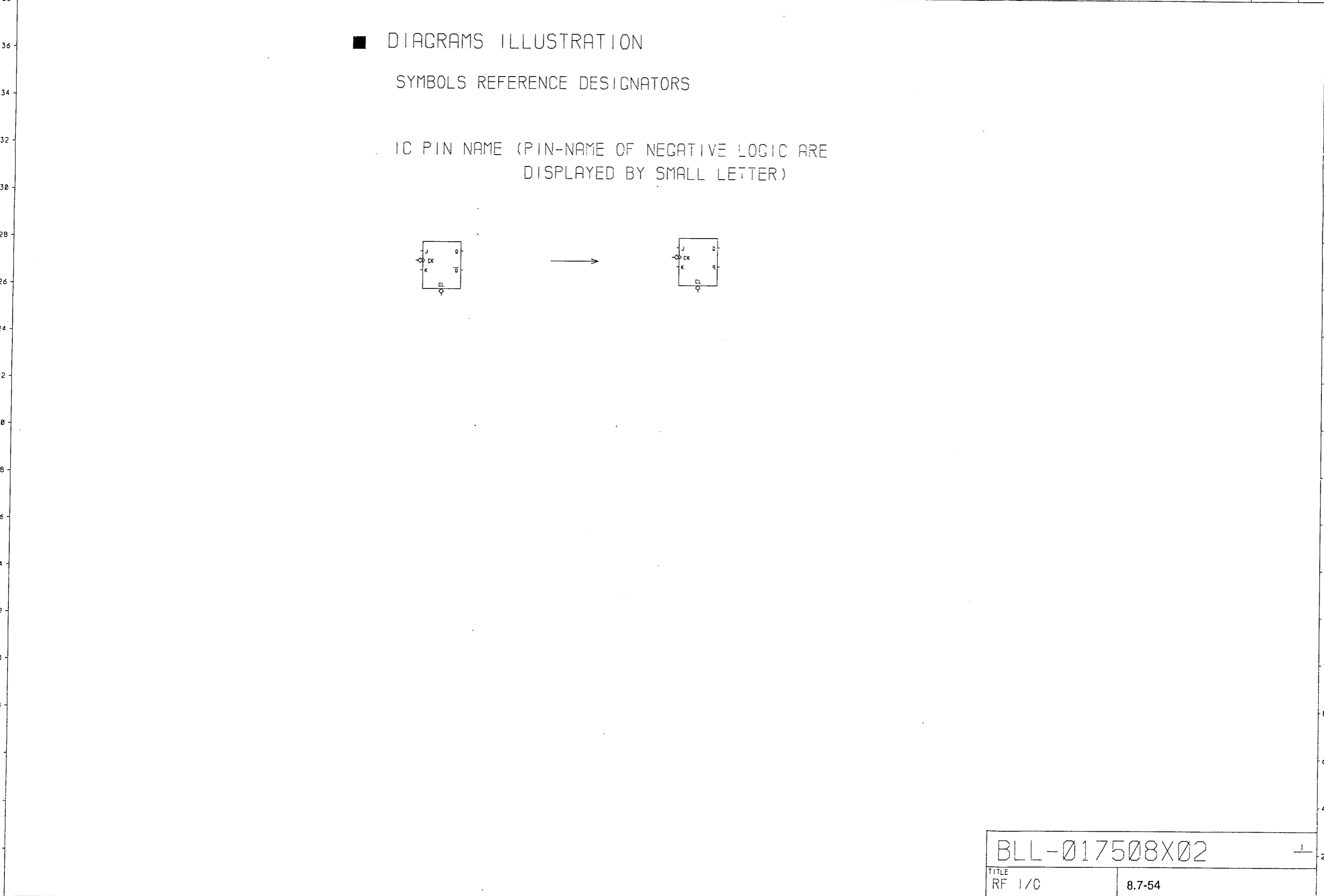
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| DESIGN | YOSHINO |
| APPR | YOSHINO |
| DP | K. ARAI |
| CHECK | K. KAWAGUCHI |
| DATE | 03-DEC-91 |

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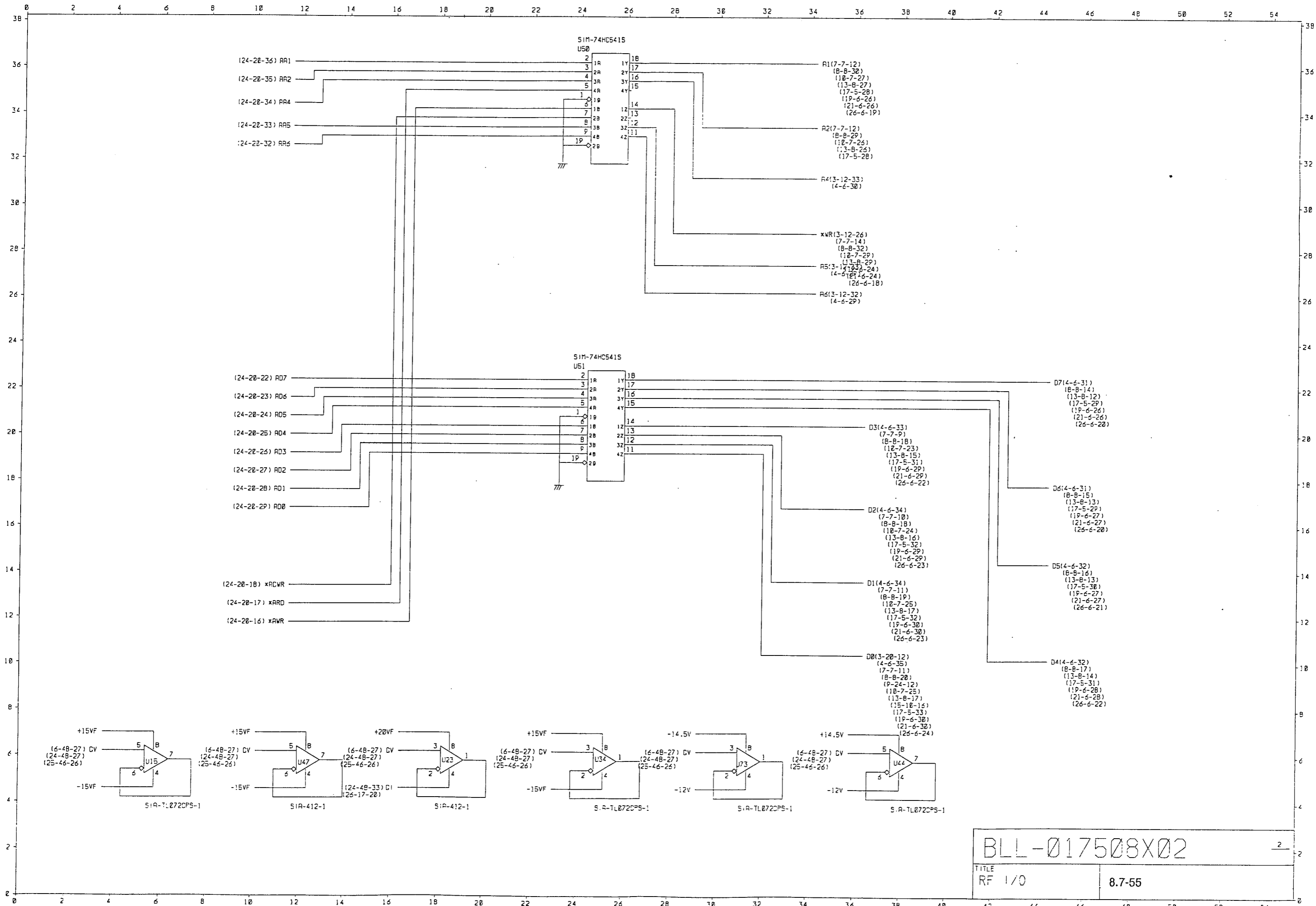
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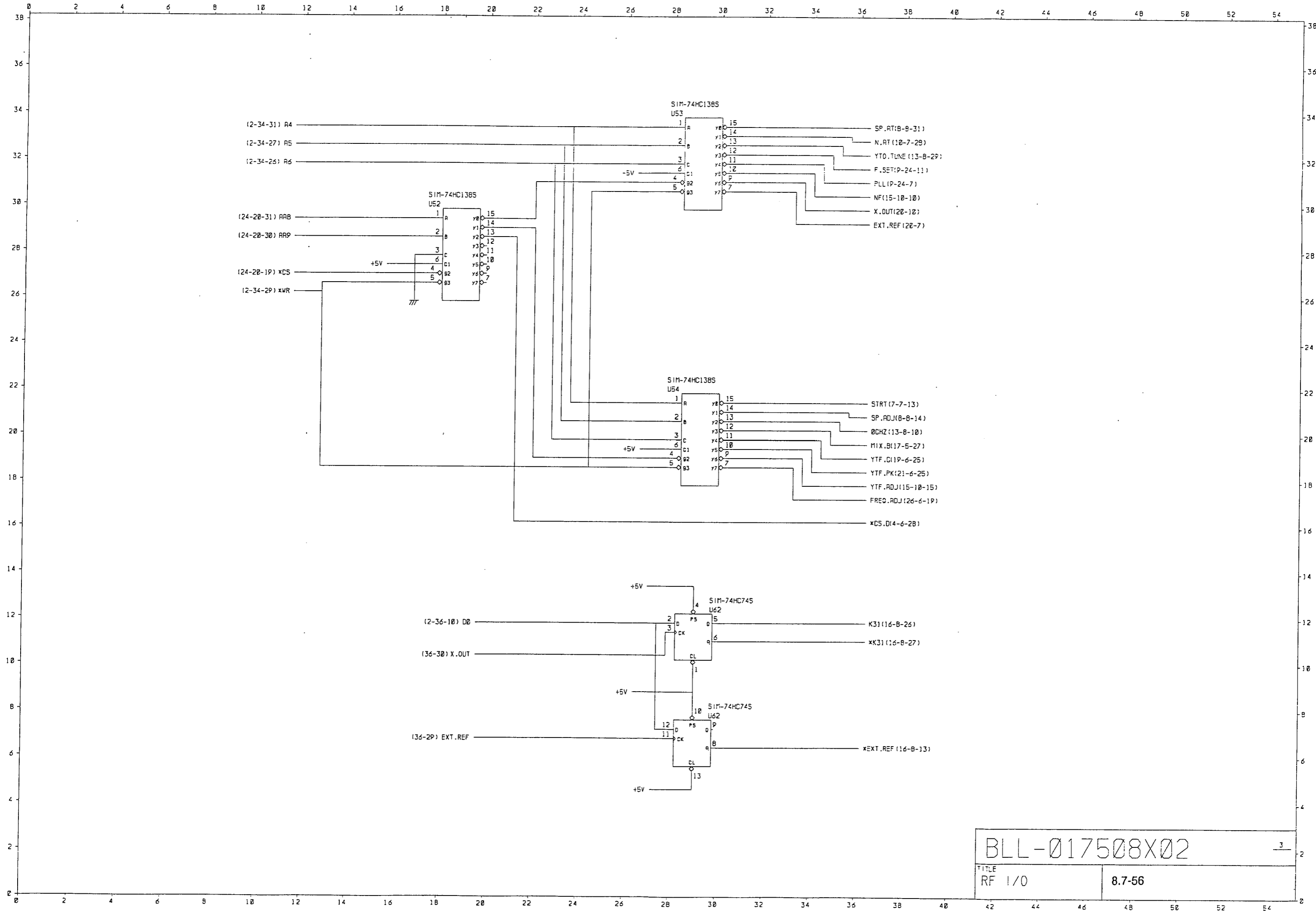
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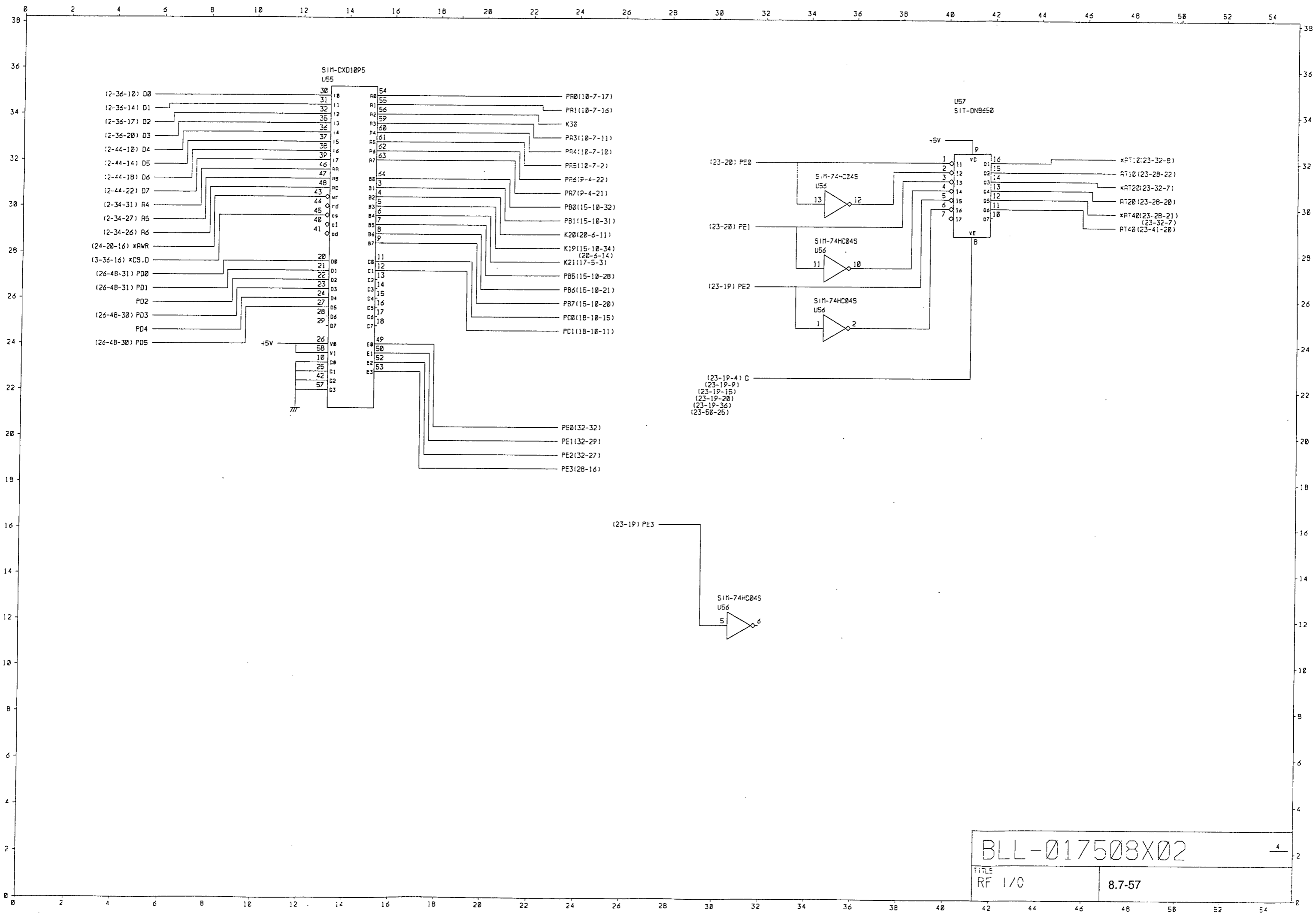
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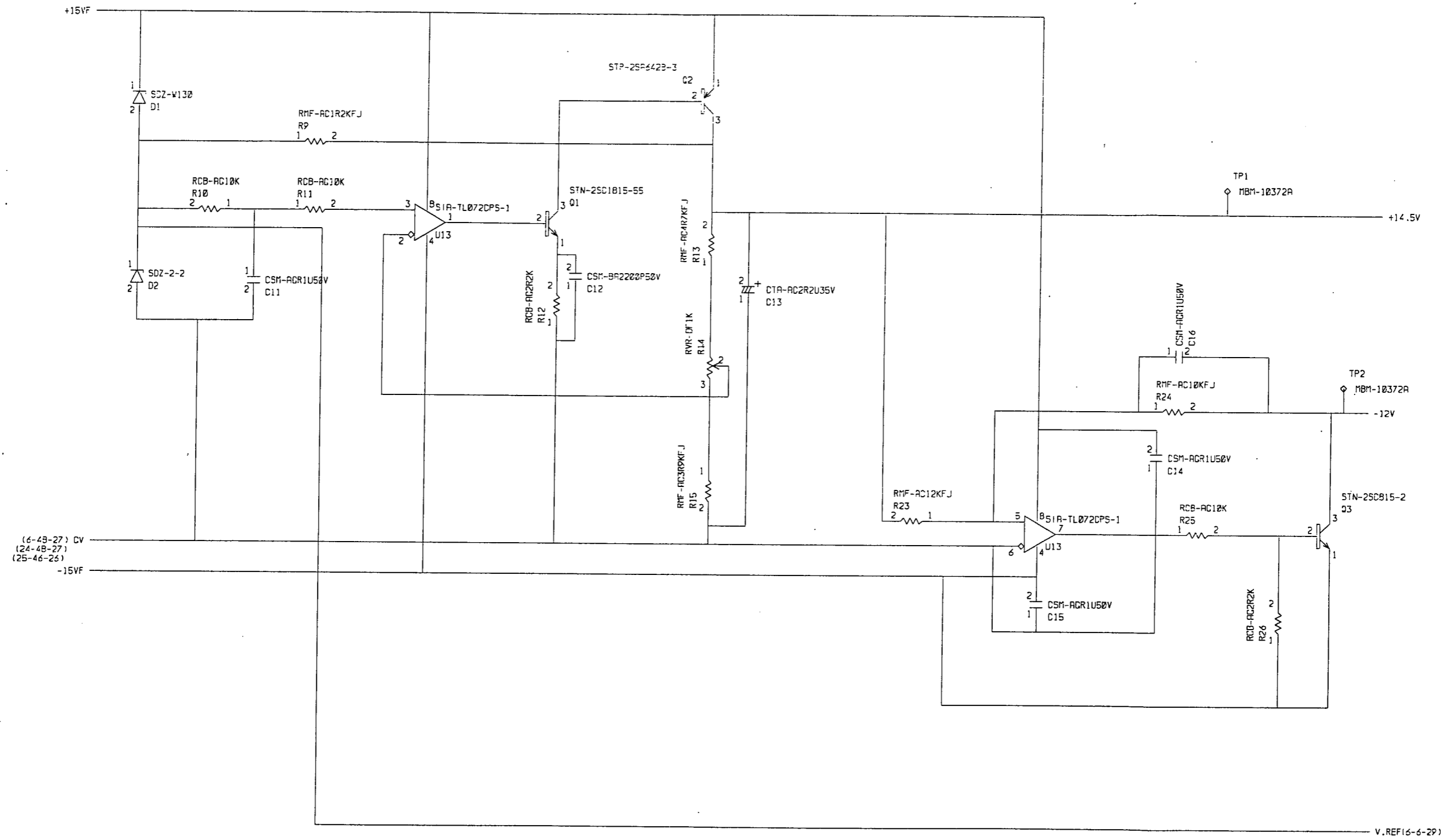
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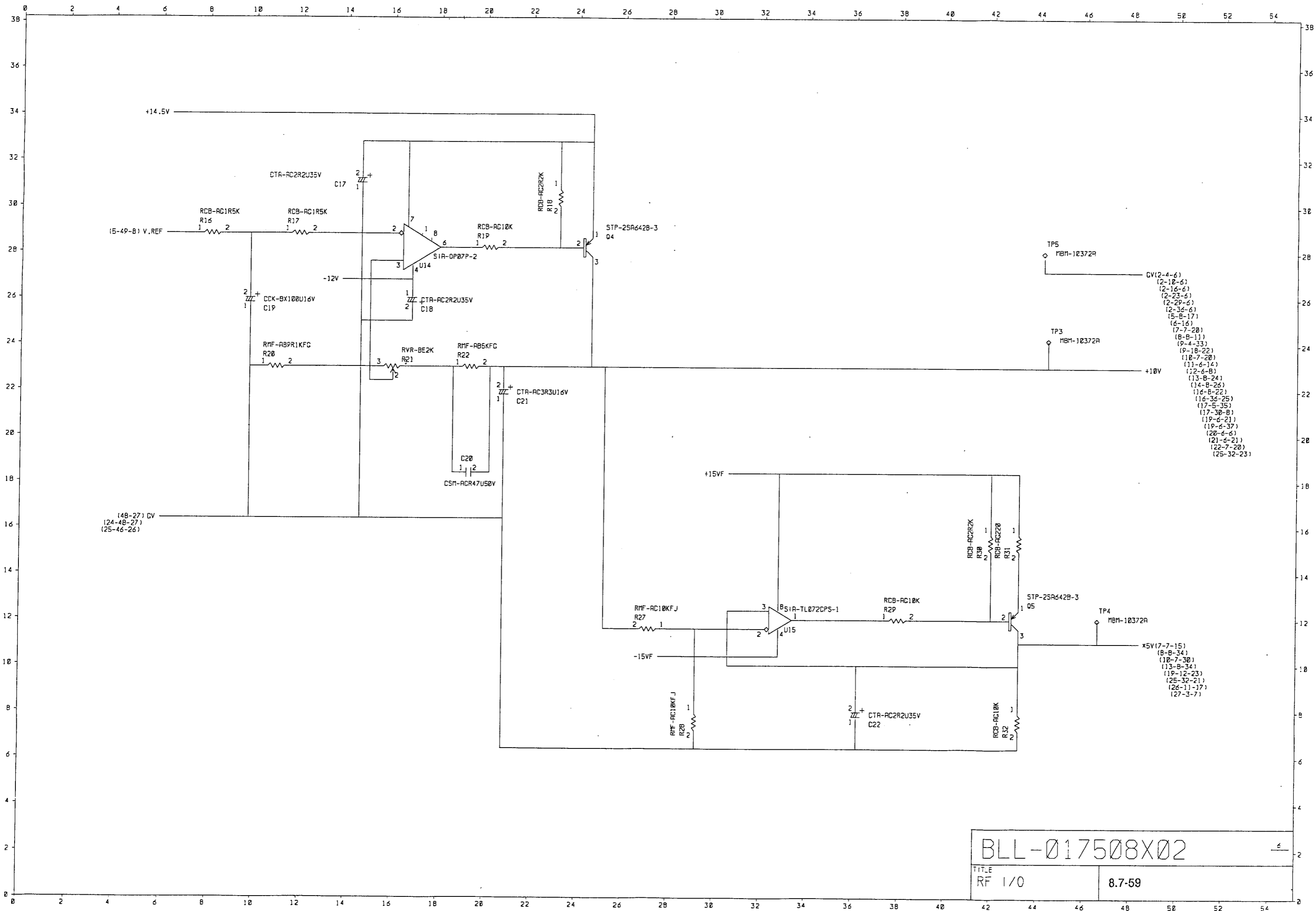
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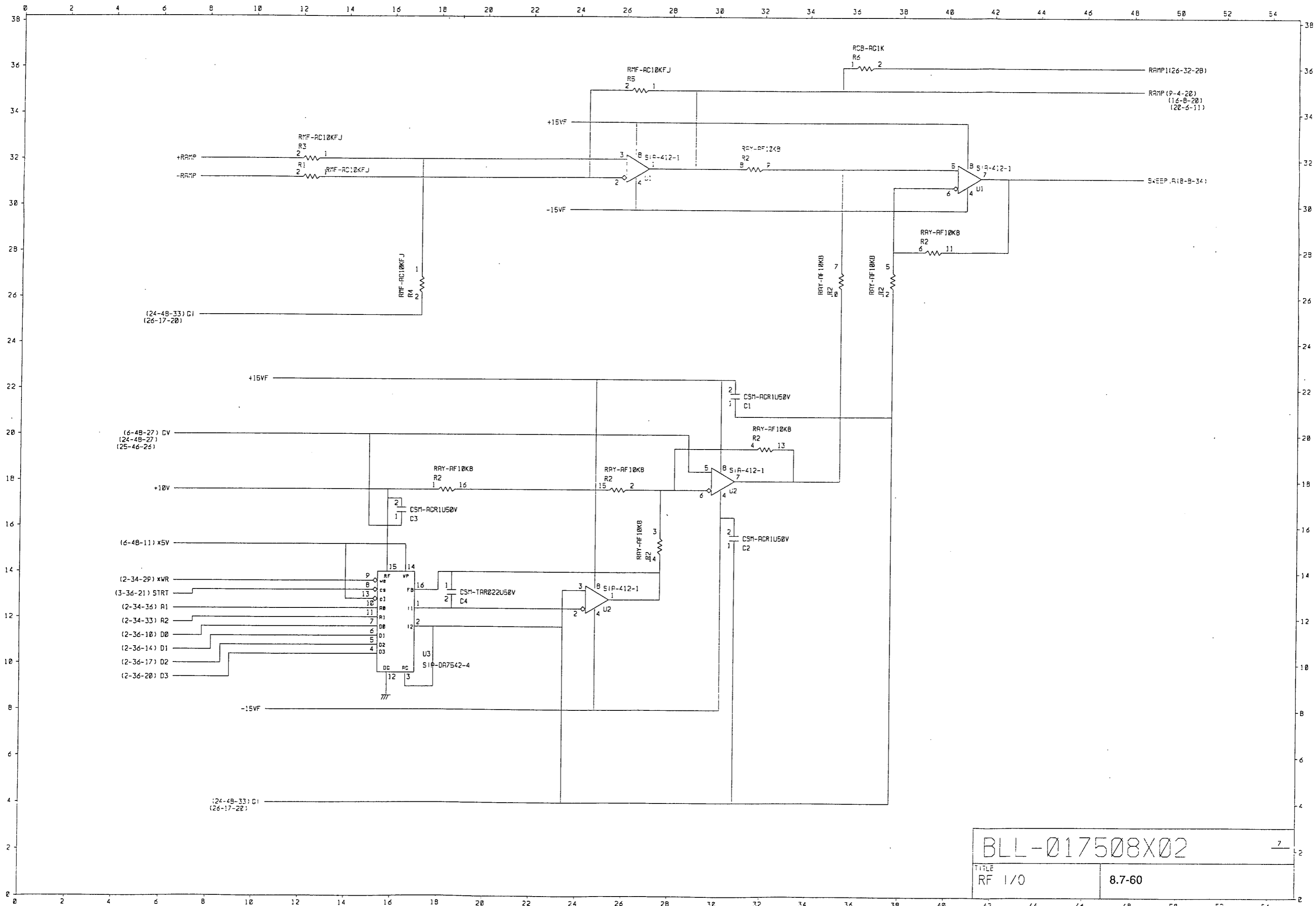


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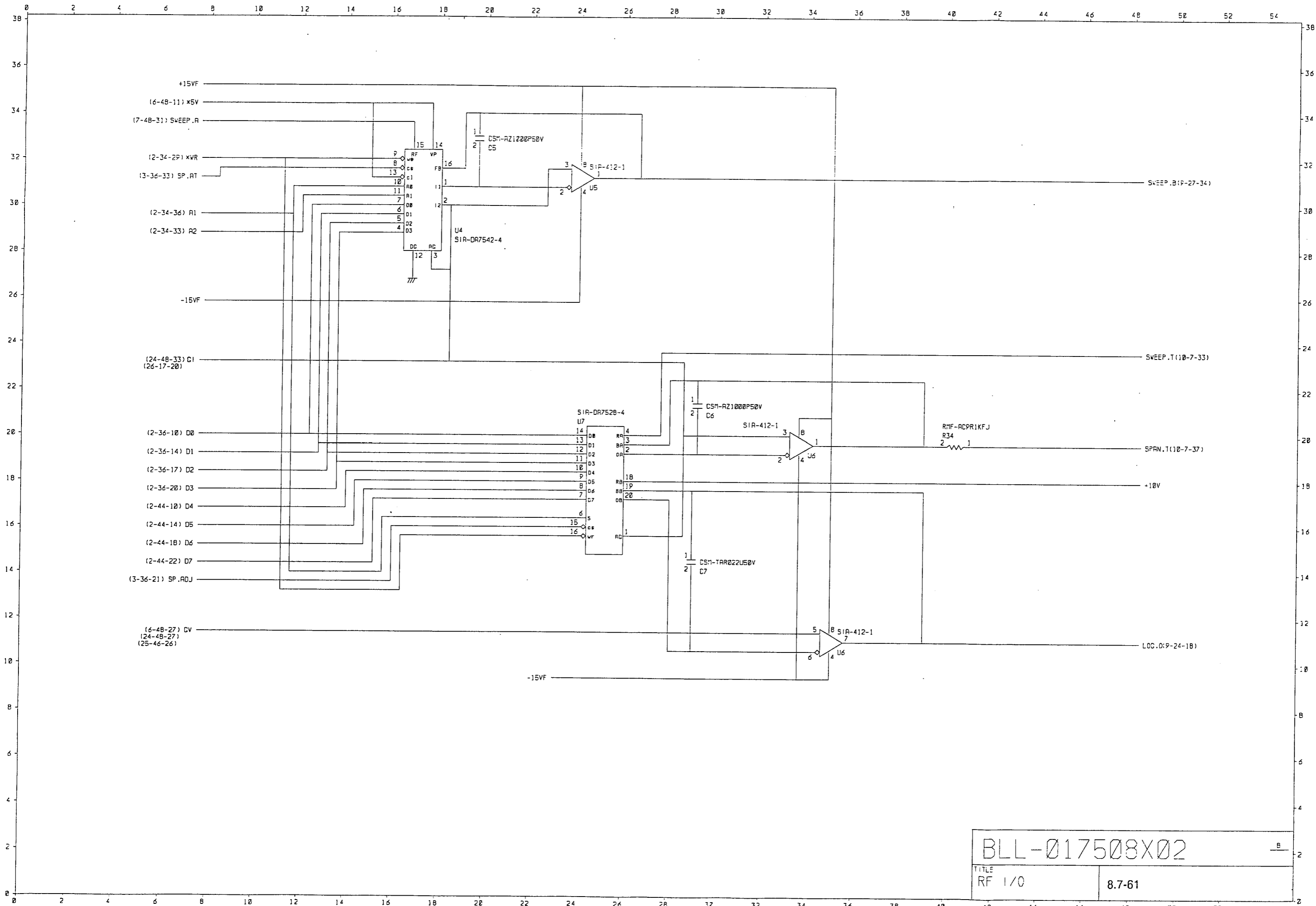
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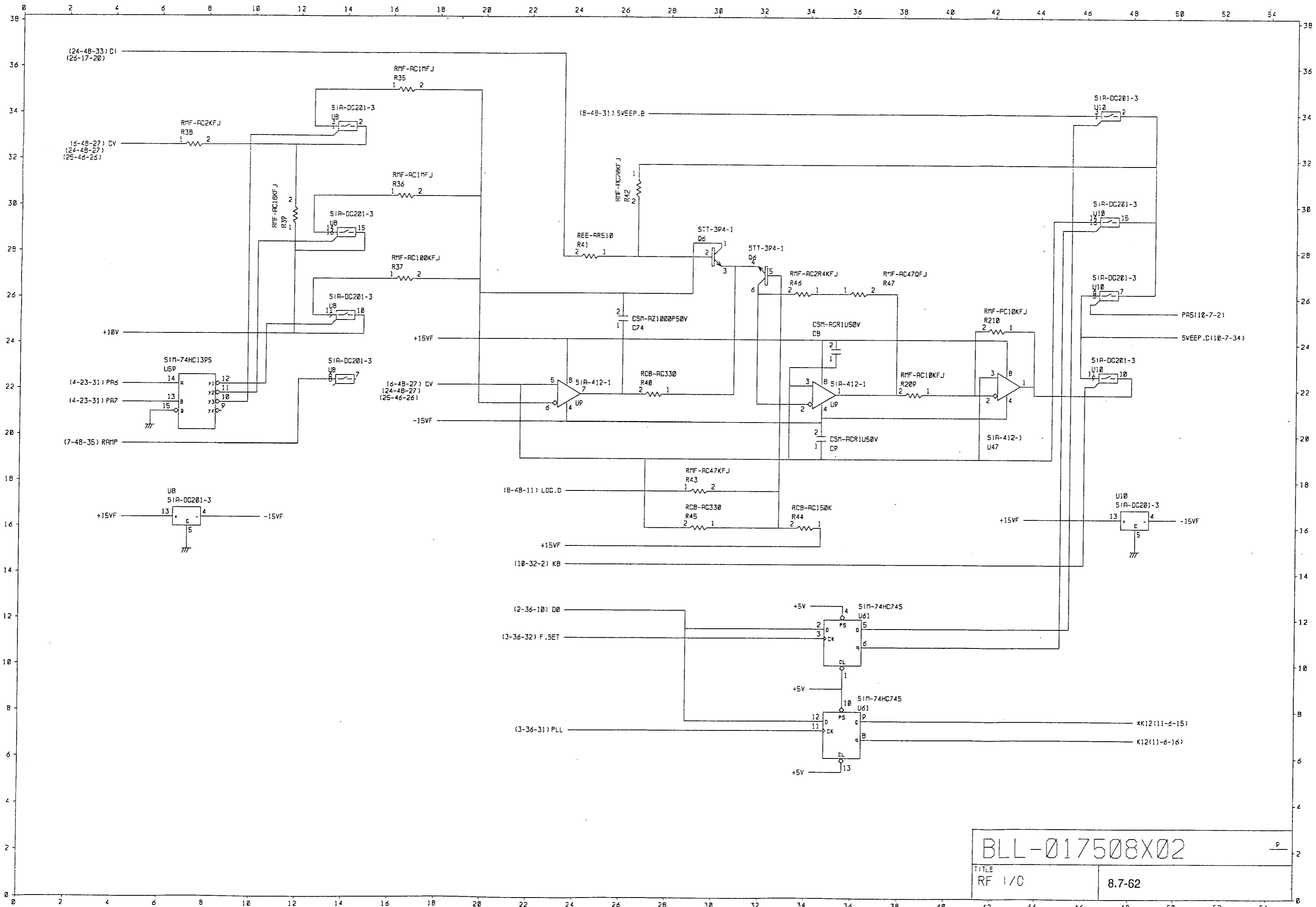


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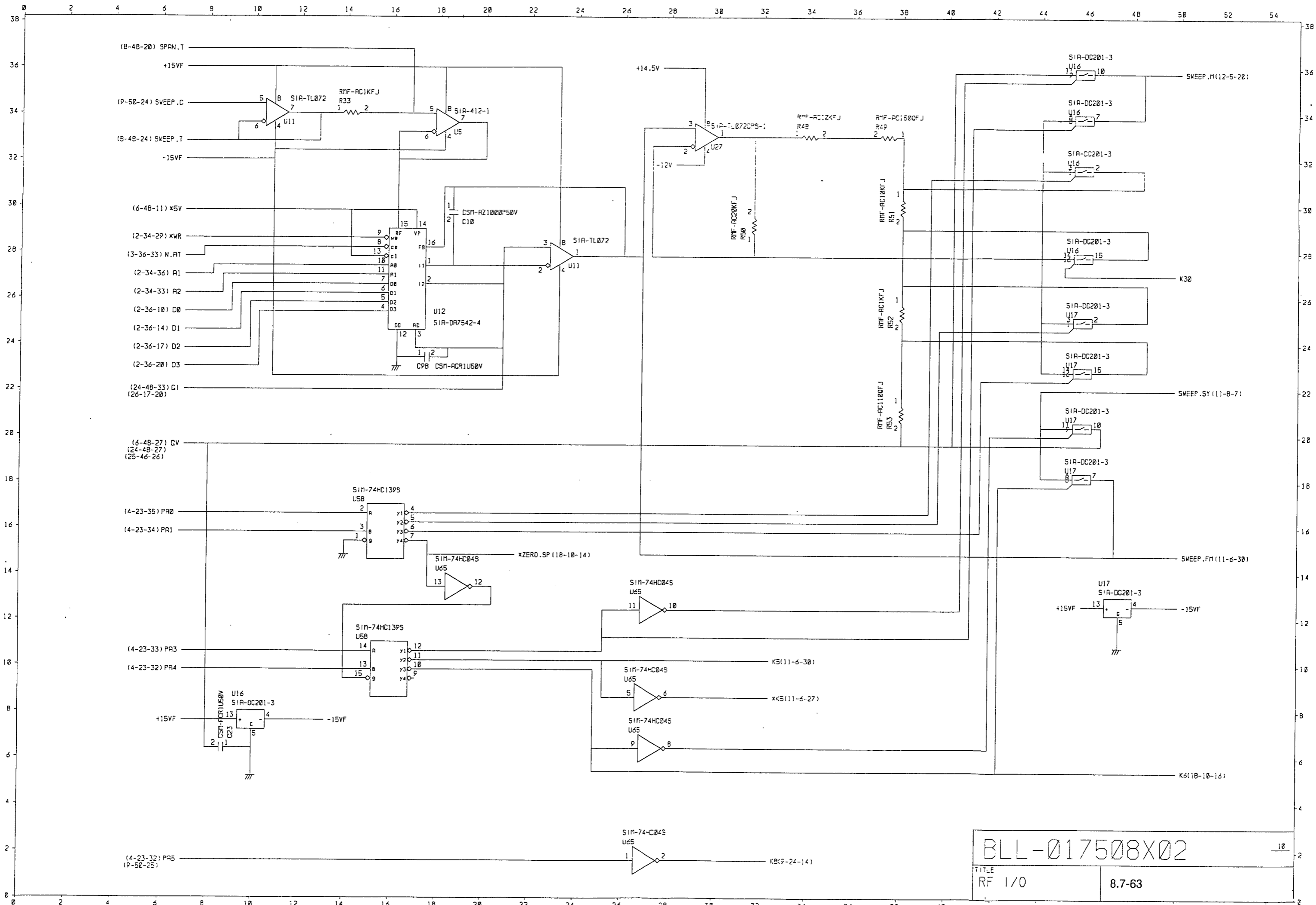


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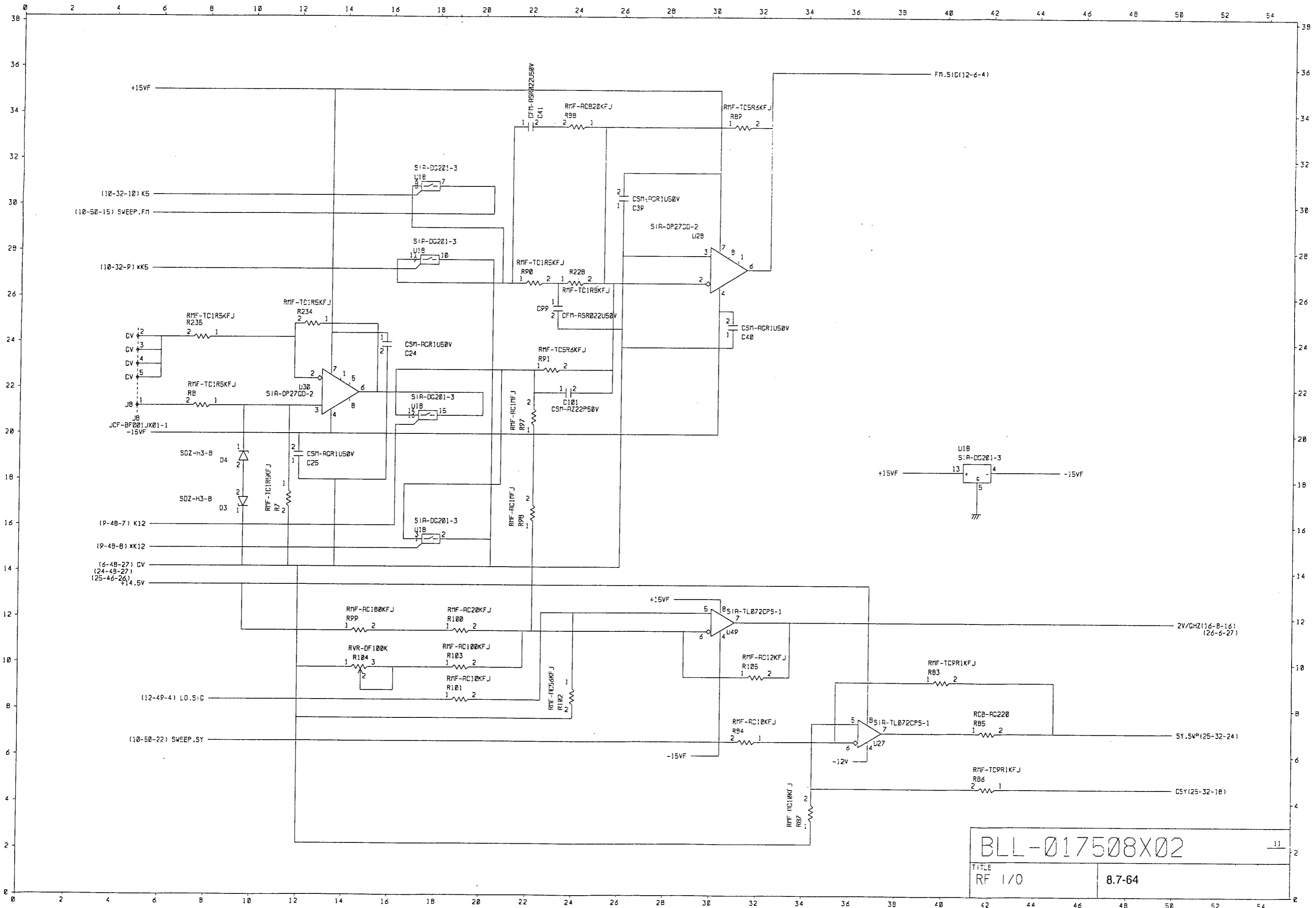
BLL-017508X02

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| TITLE RF I/O | 8.7-62 |
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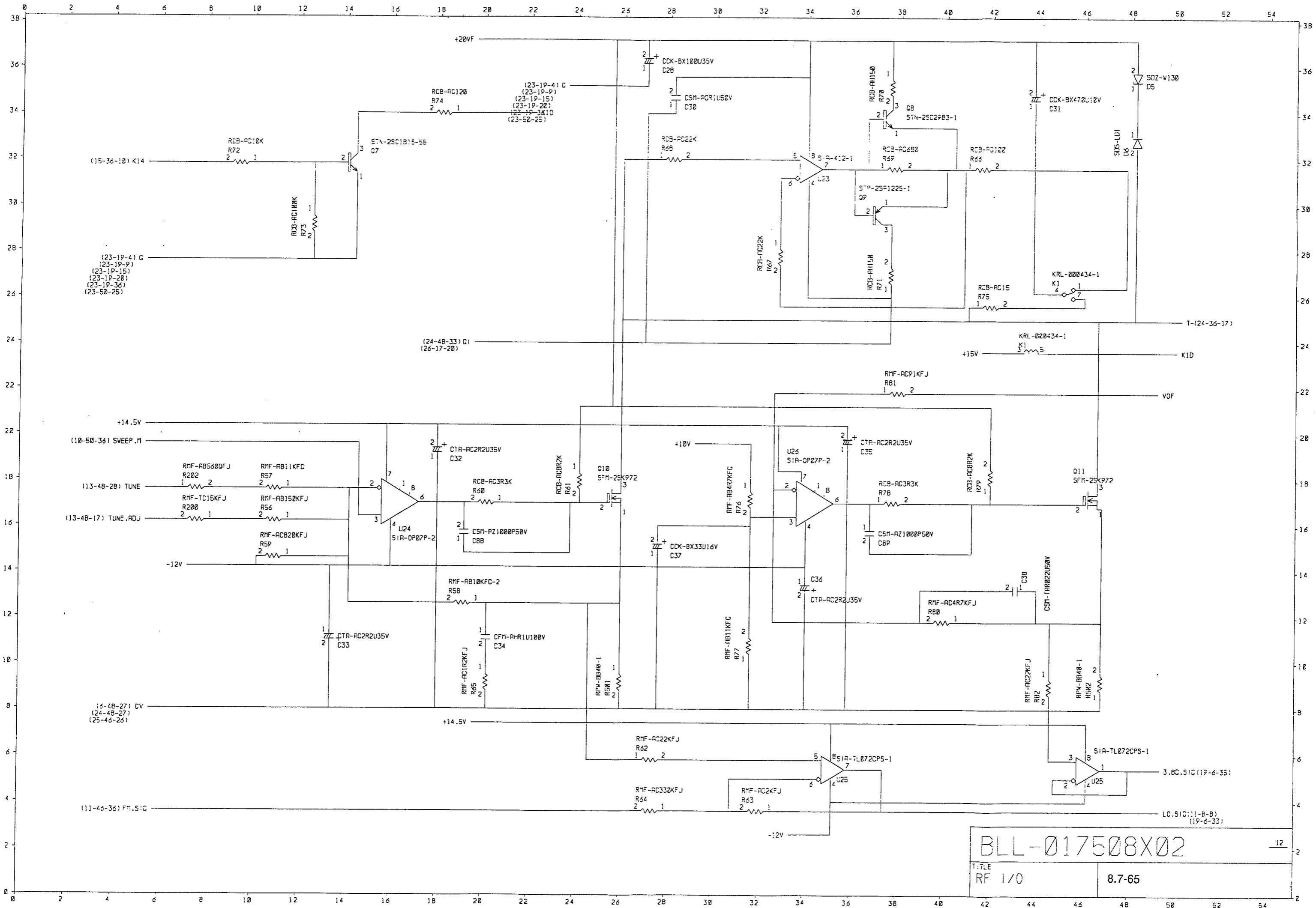


BLL-017508X02
12

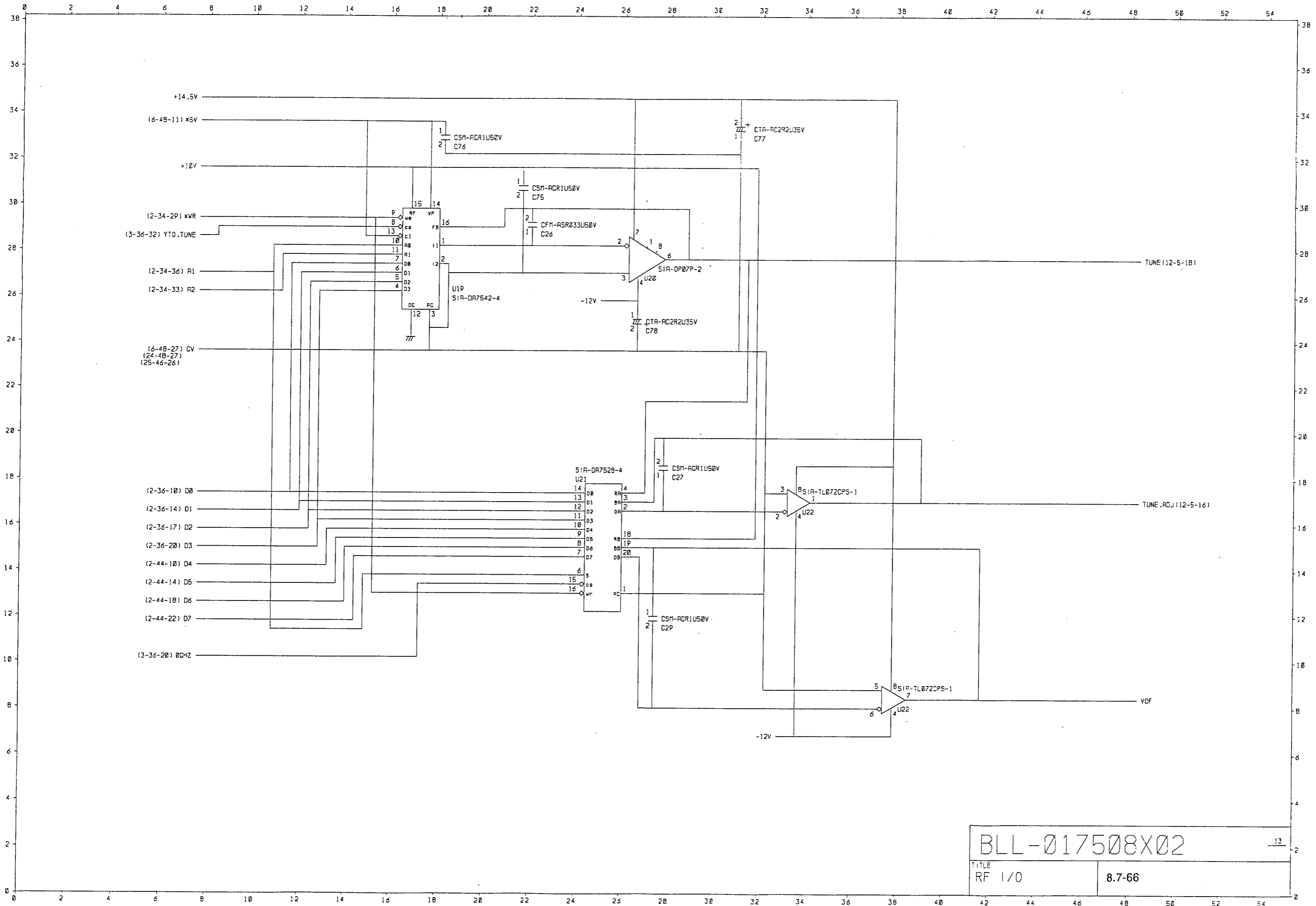
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| TITLE RF I/O | 8.7-63 |
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BLL-017508X02
 TITLE RF 1/0
 8.7-64

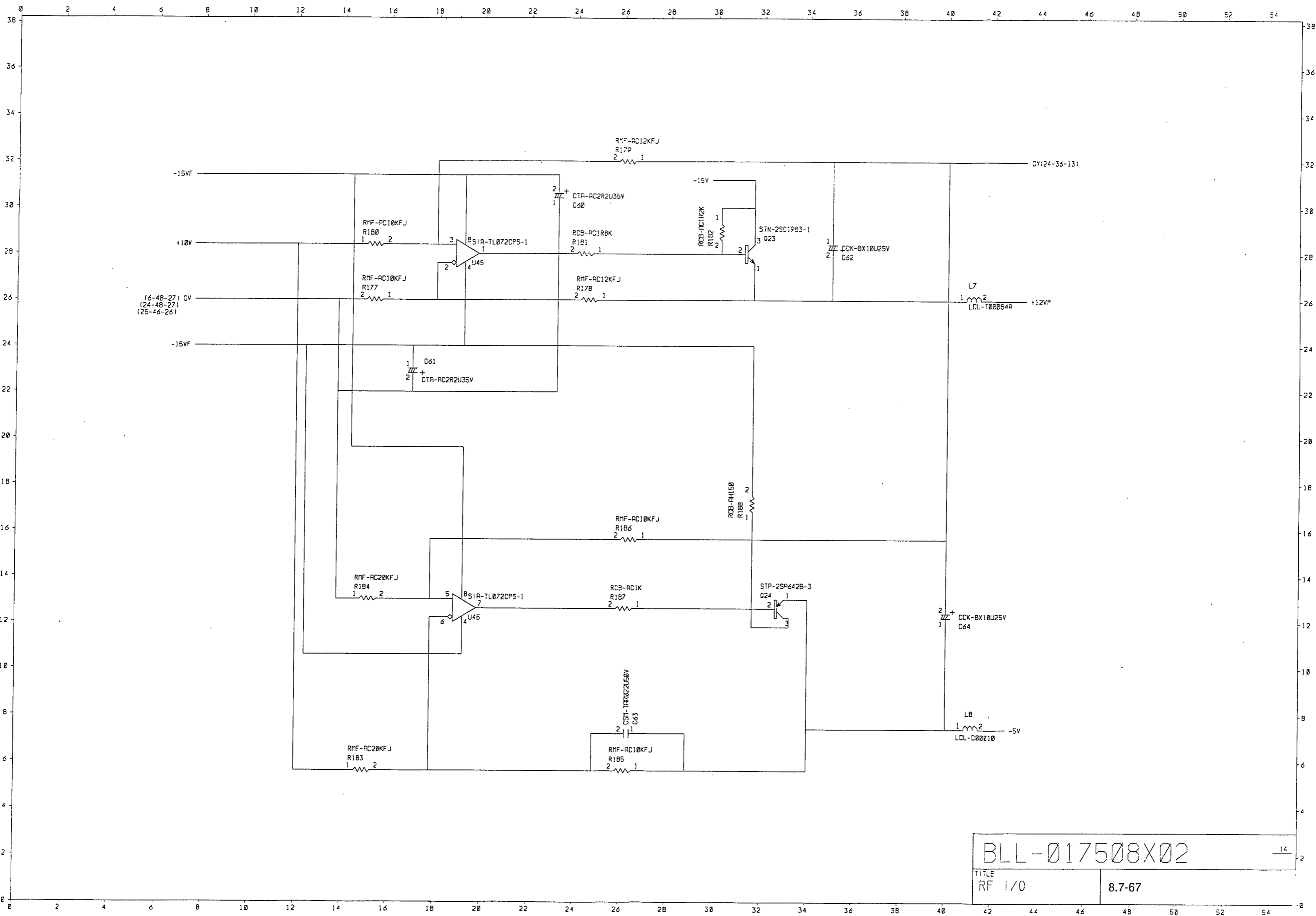


BLL-017508X02
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 8.7-65



BLL-017508X02 13

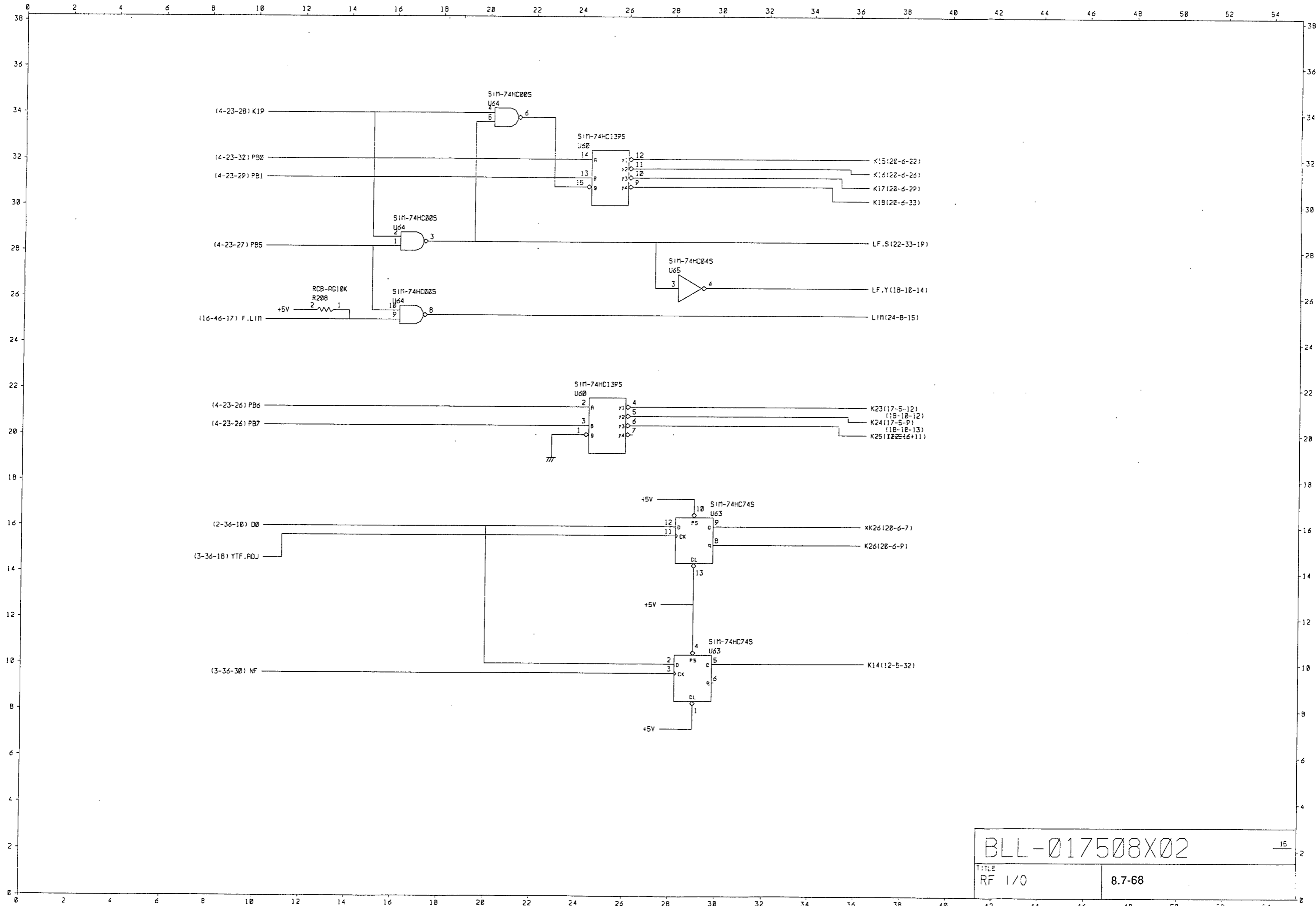
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|-------|--------|--------|

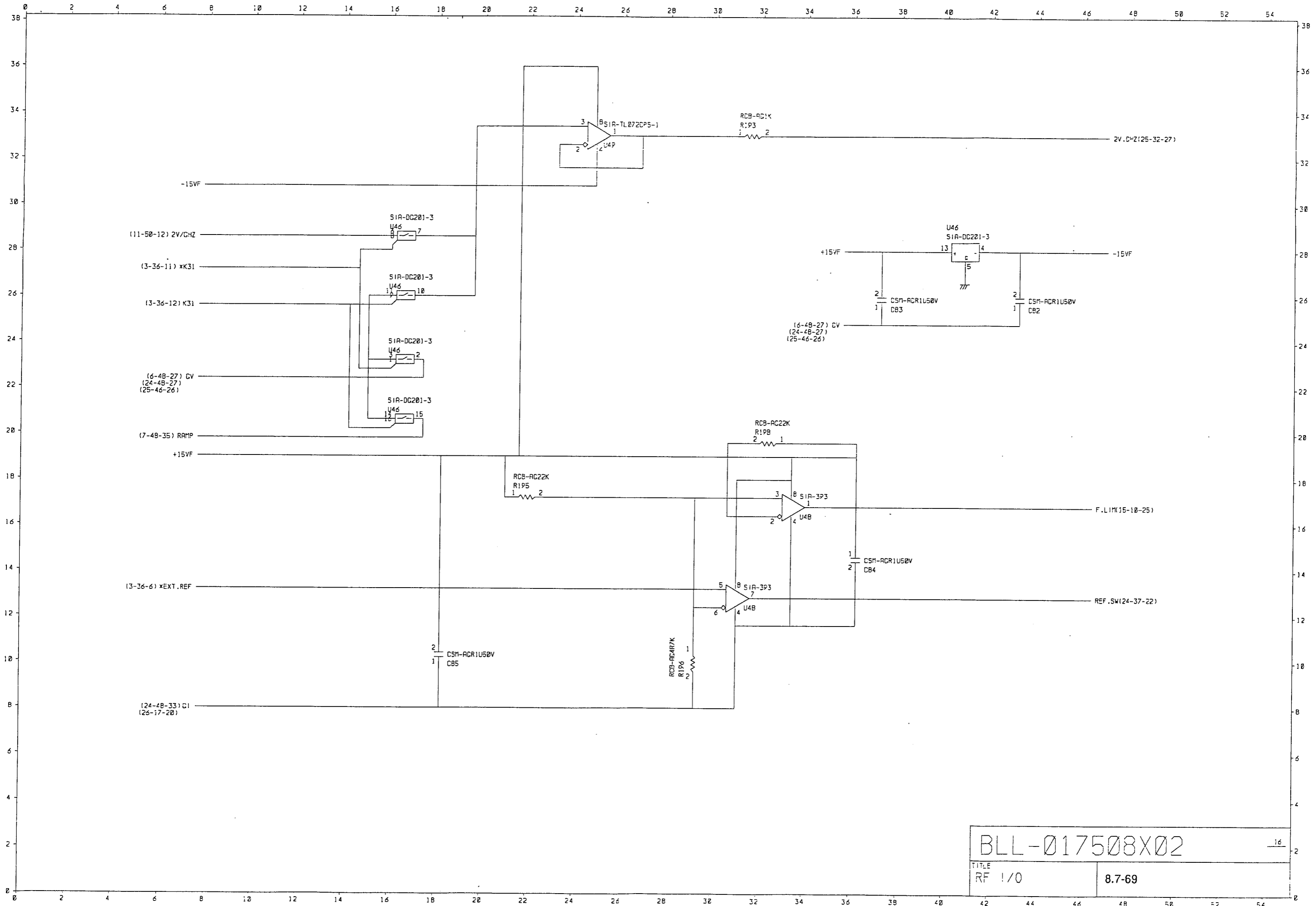


BLL-017508X02 14

TITLE
RF 1/0

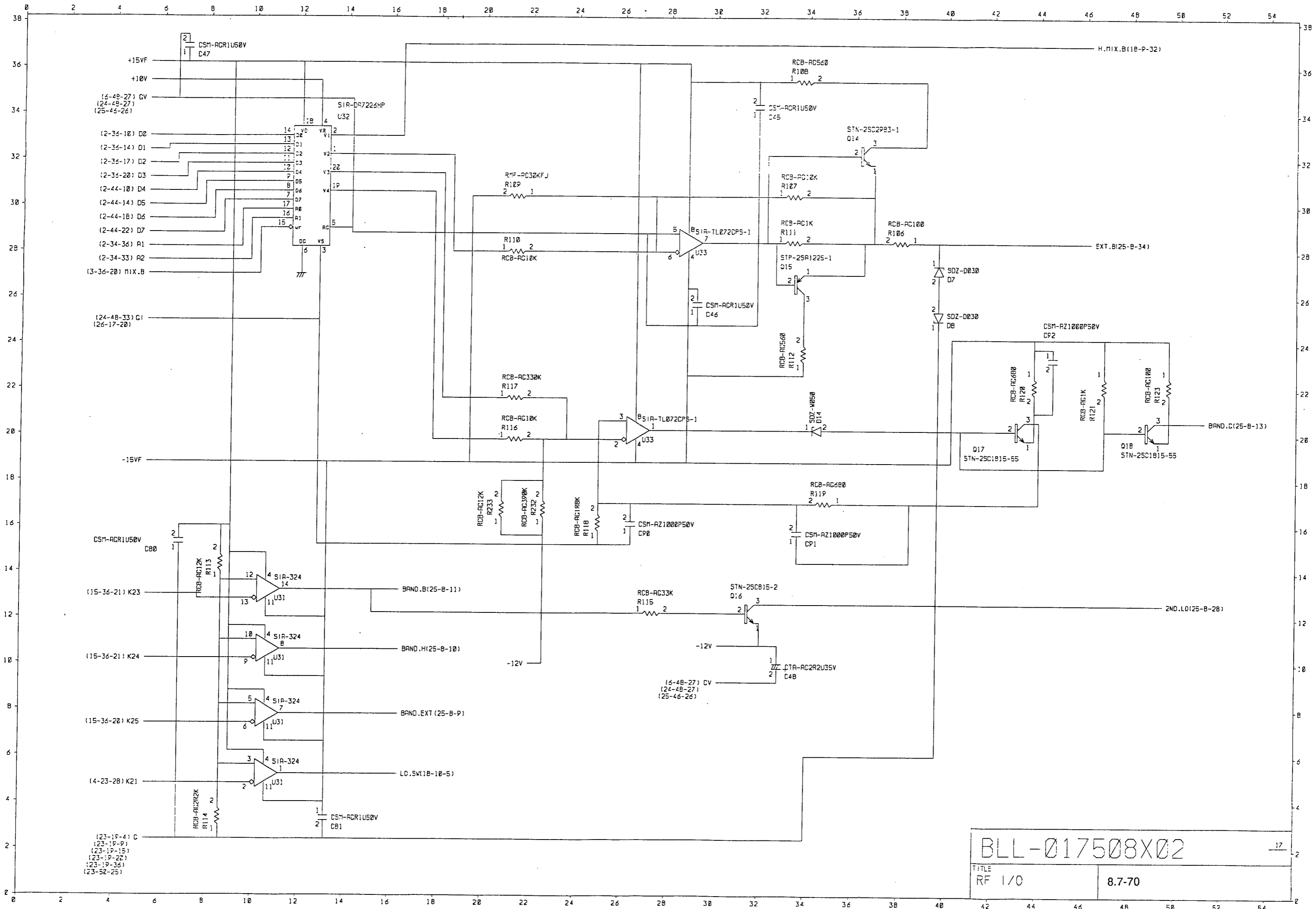
8.7-67



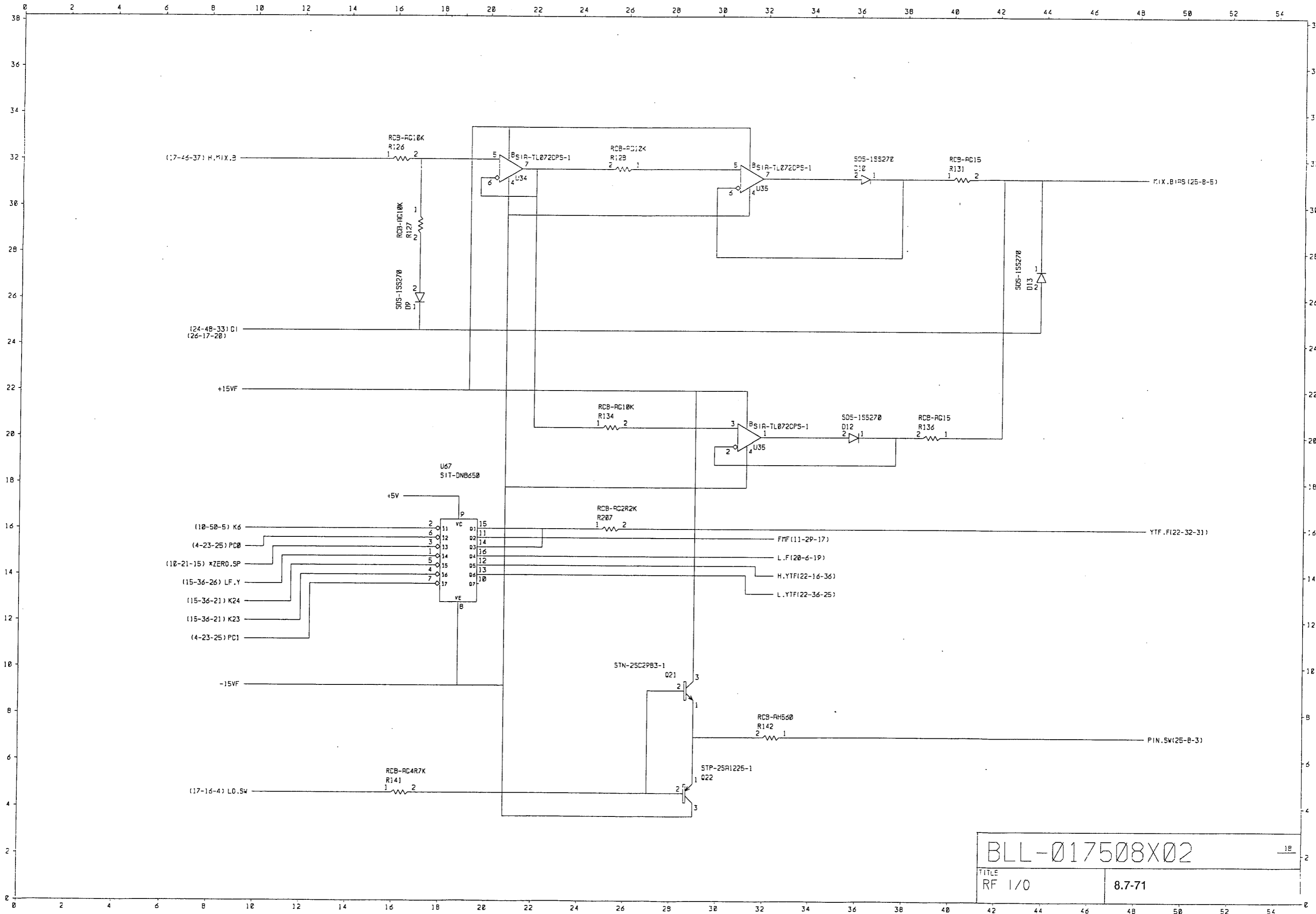


BLL-017508X02 16

| | |
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| TITLE RF I/O | 8.7-69 |
|-----------------|--------|



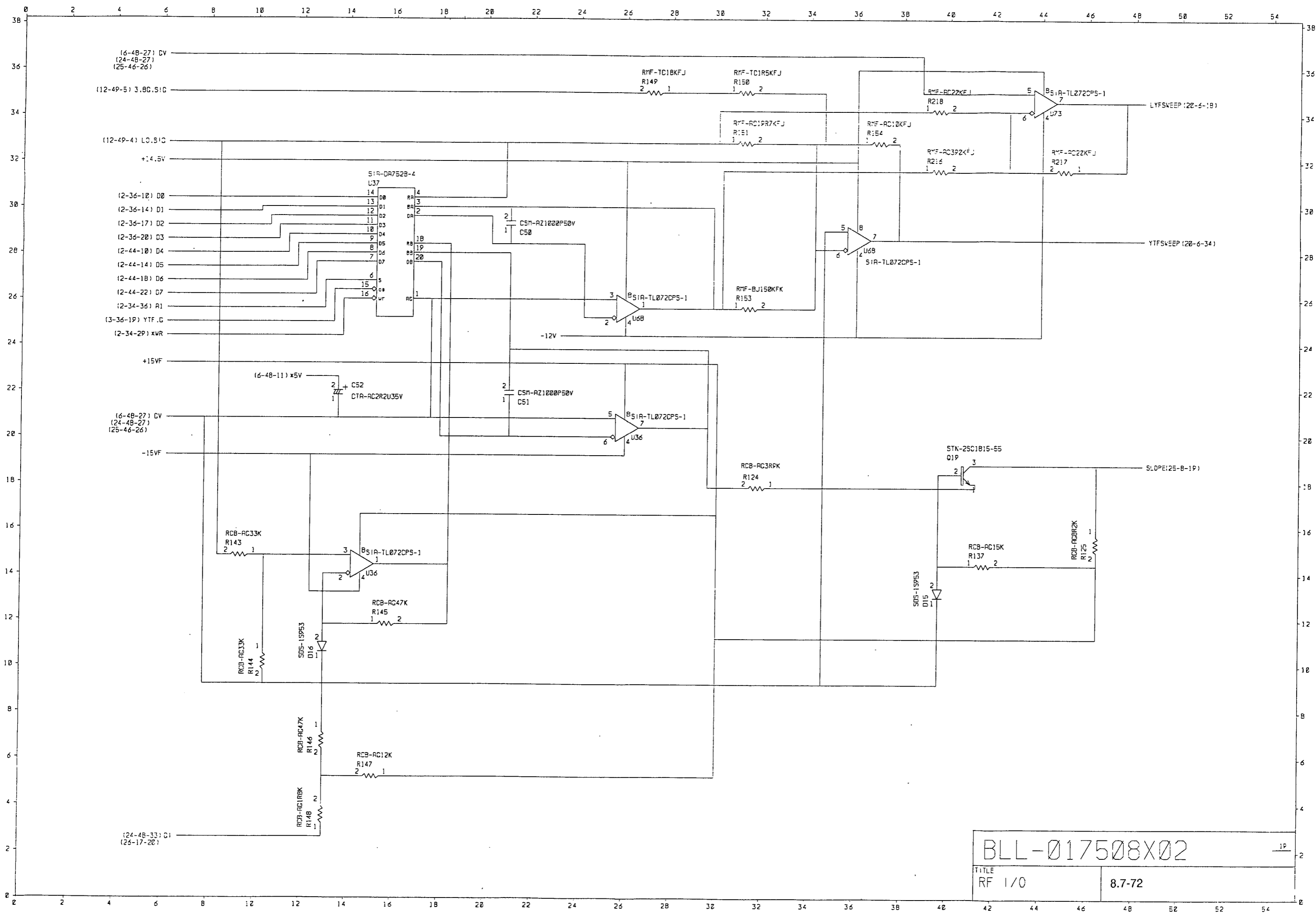
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| TITLE | RF 1/0 | 8.7-70 |

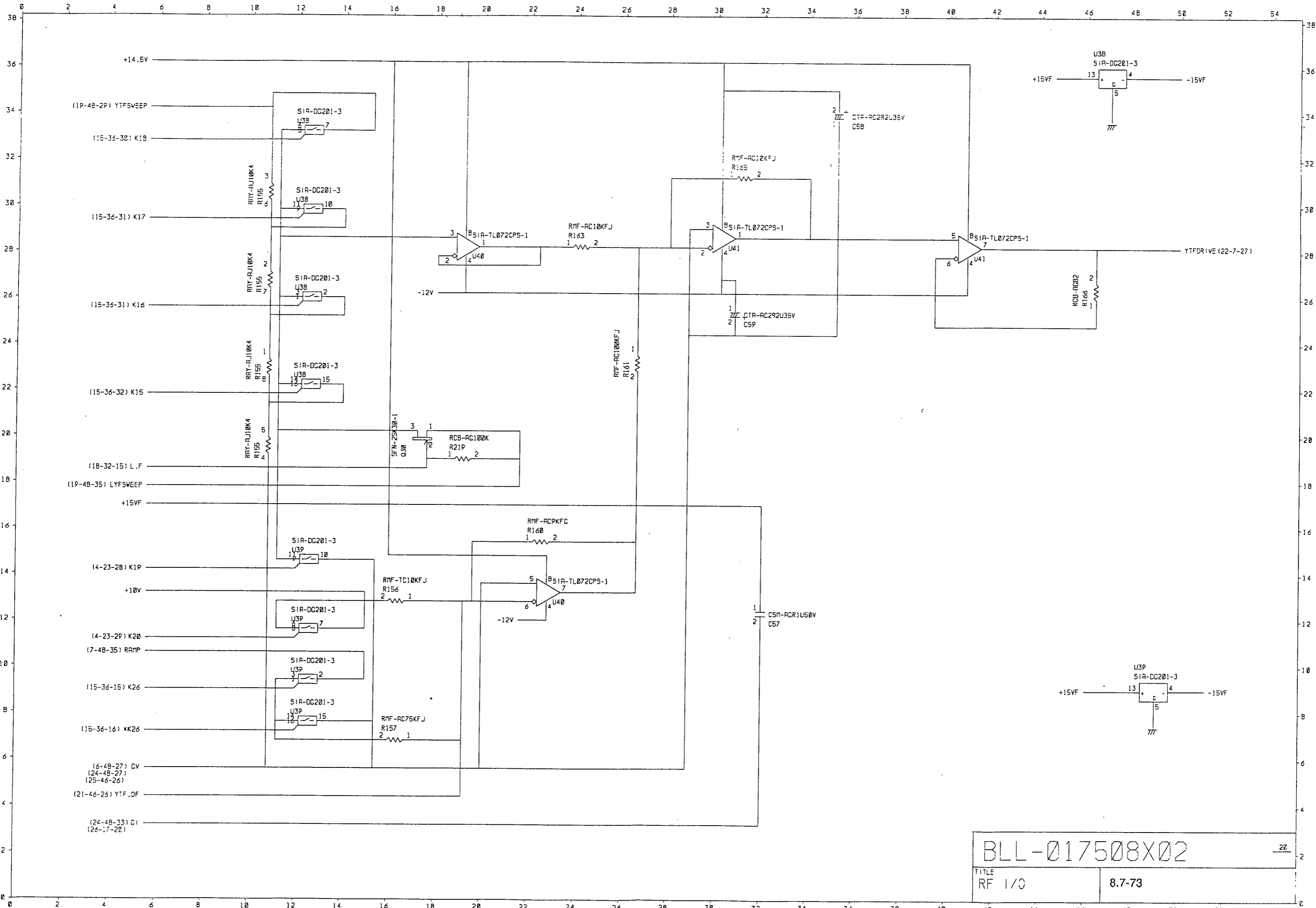


18

BLL-017508X02

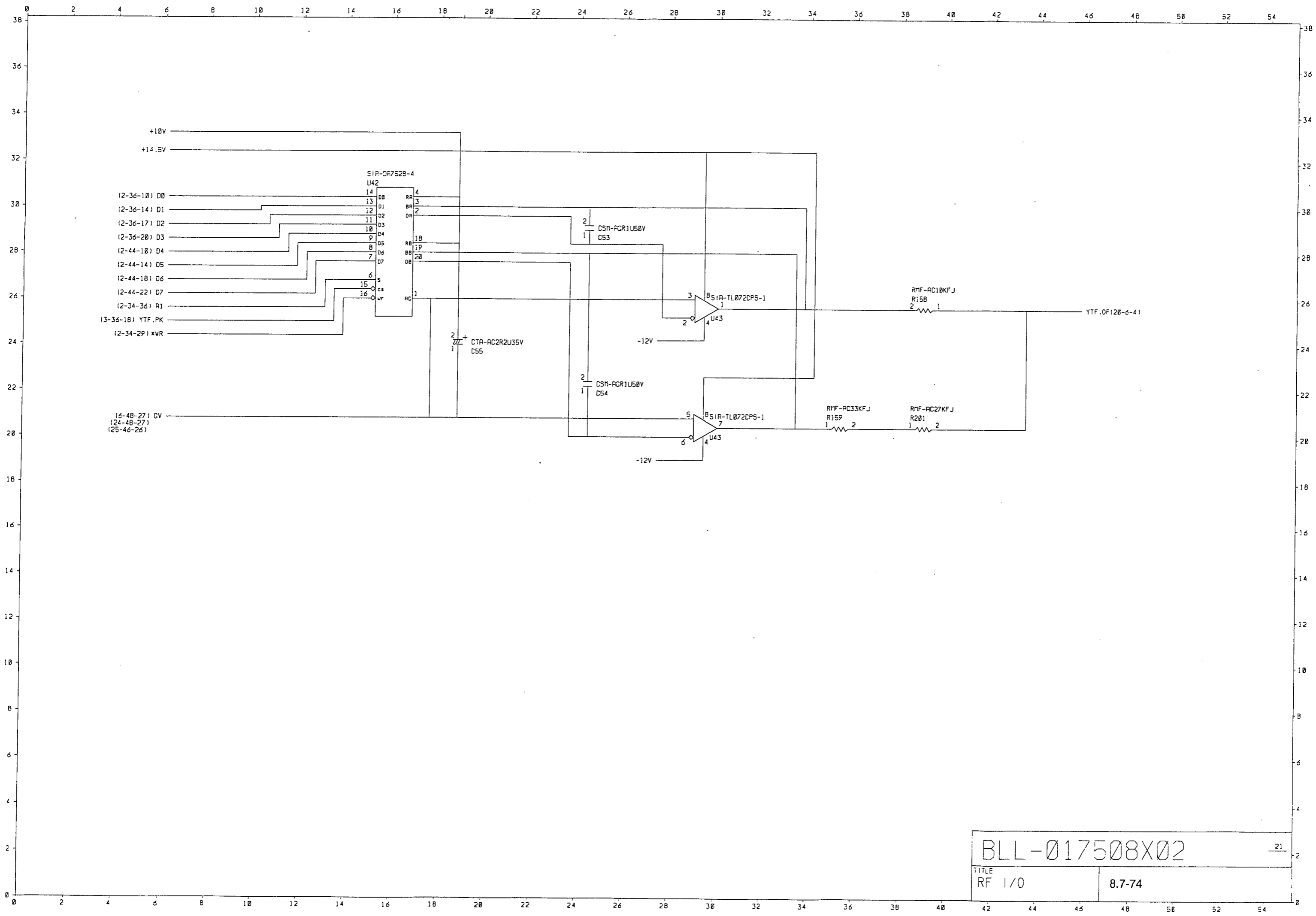
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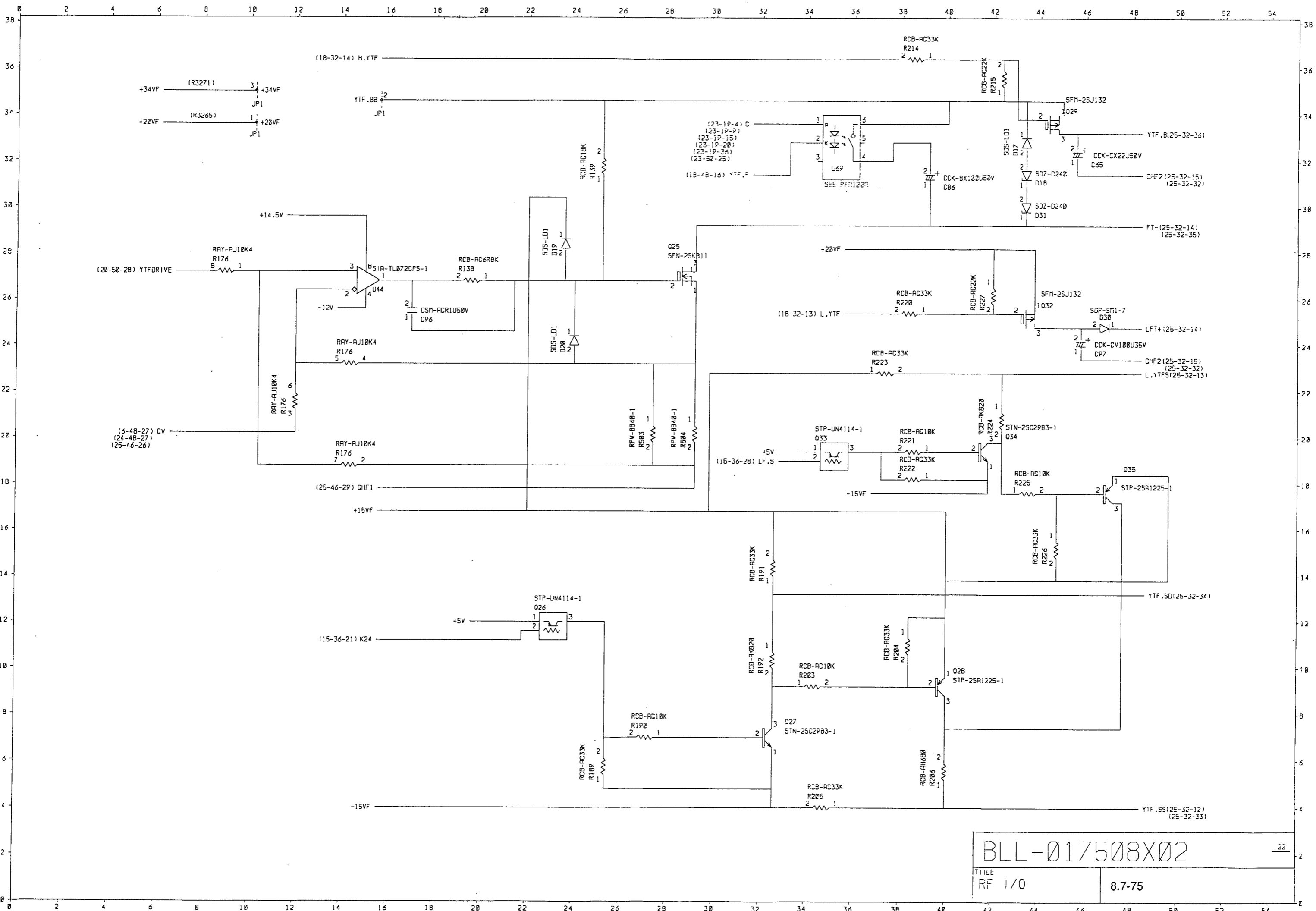




BLL-017508X02 22

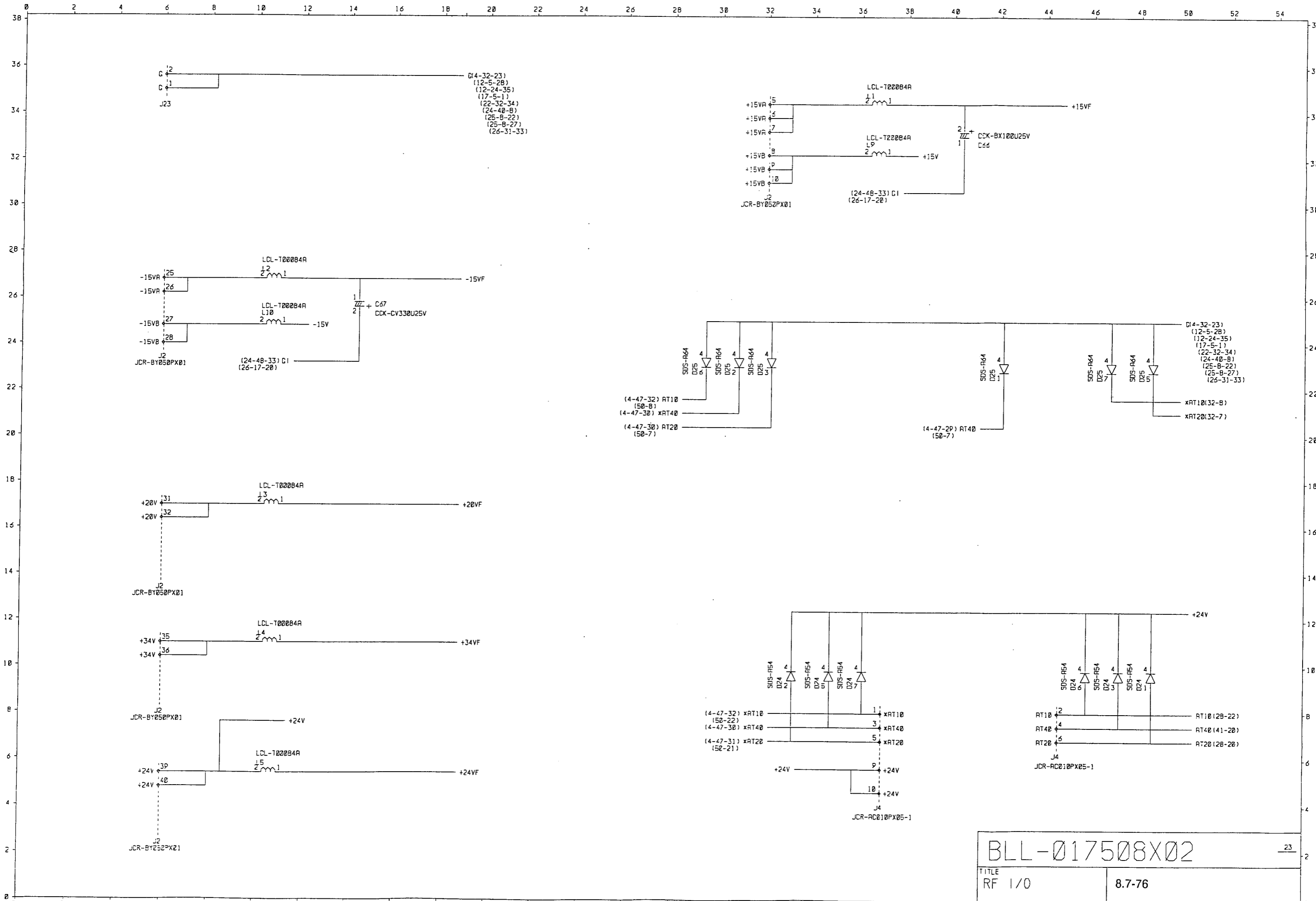
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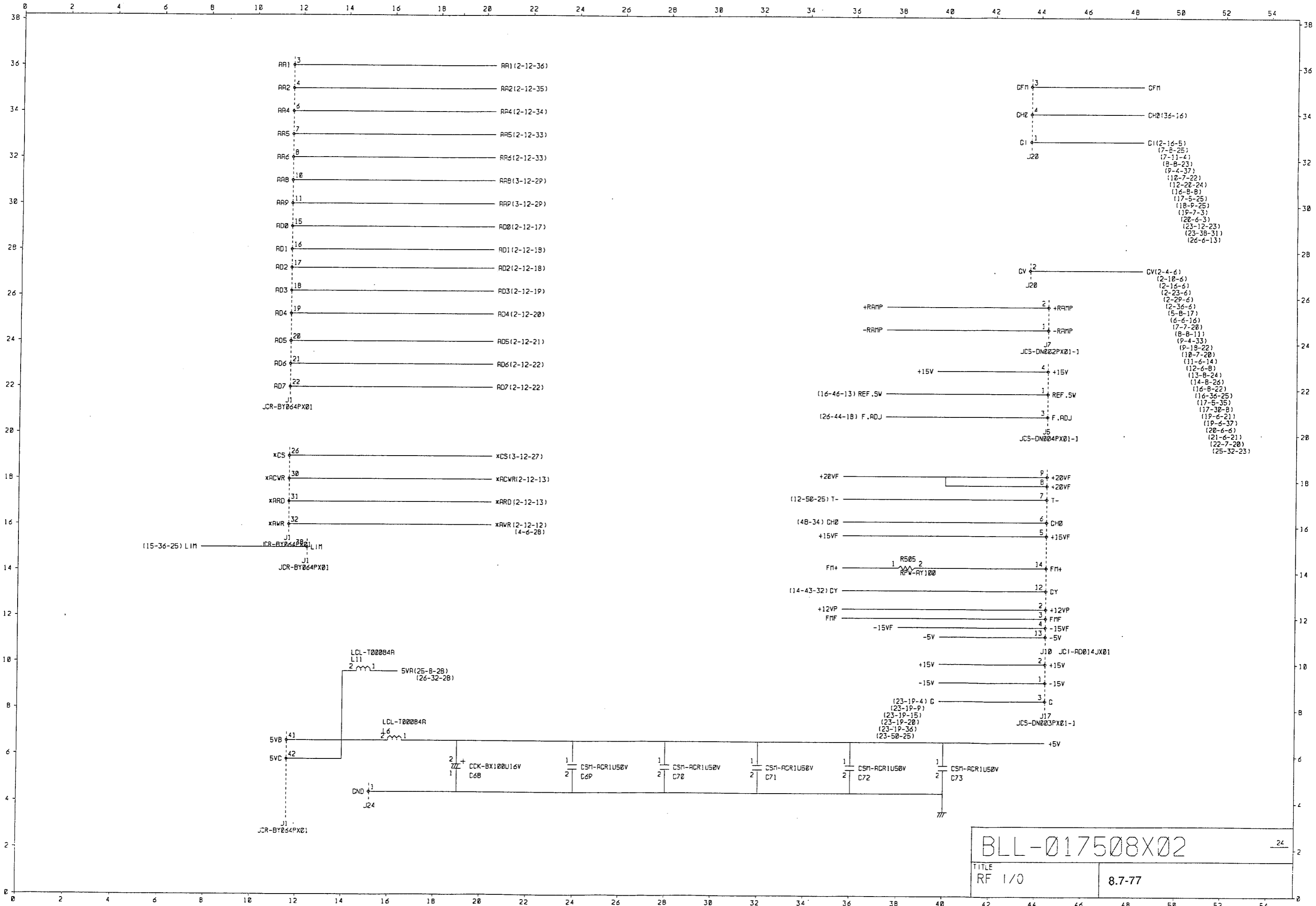




BLL-017508X02
22

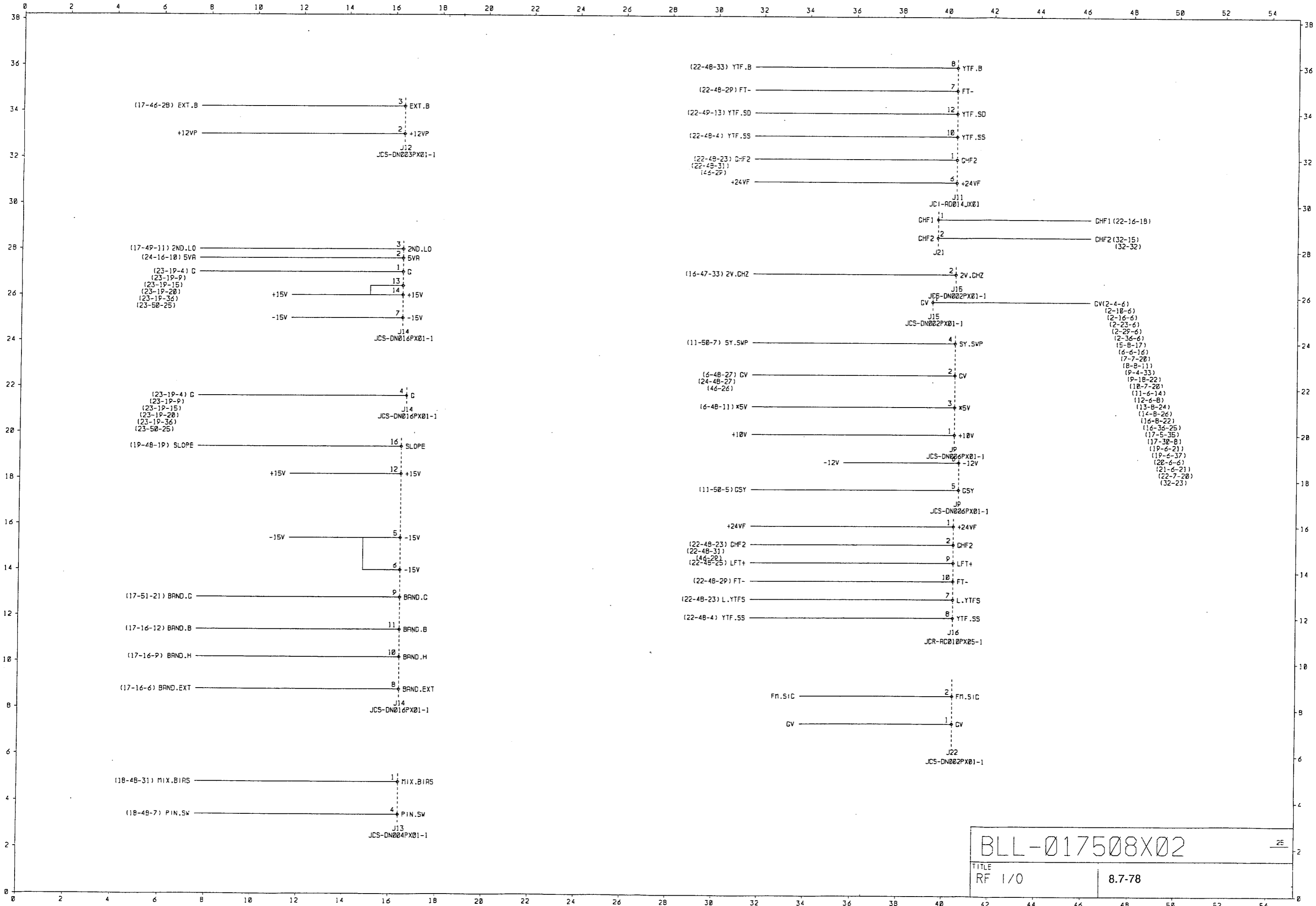
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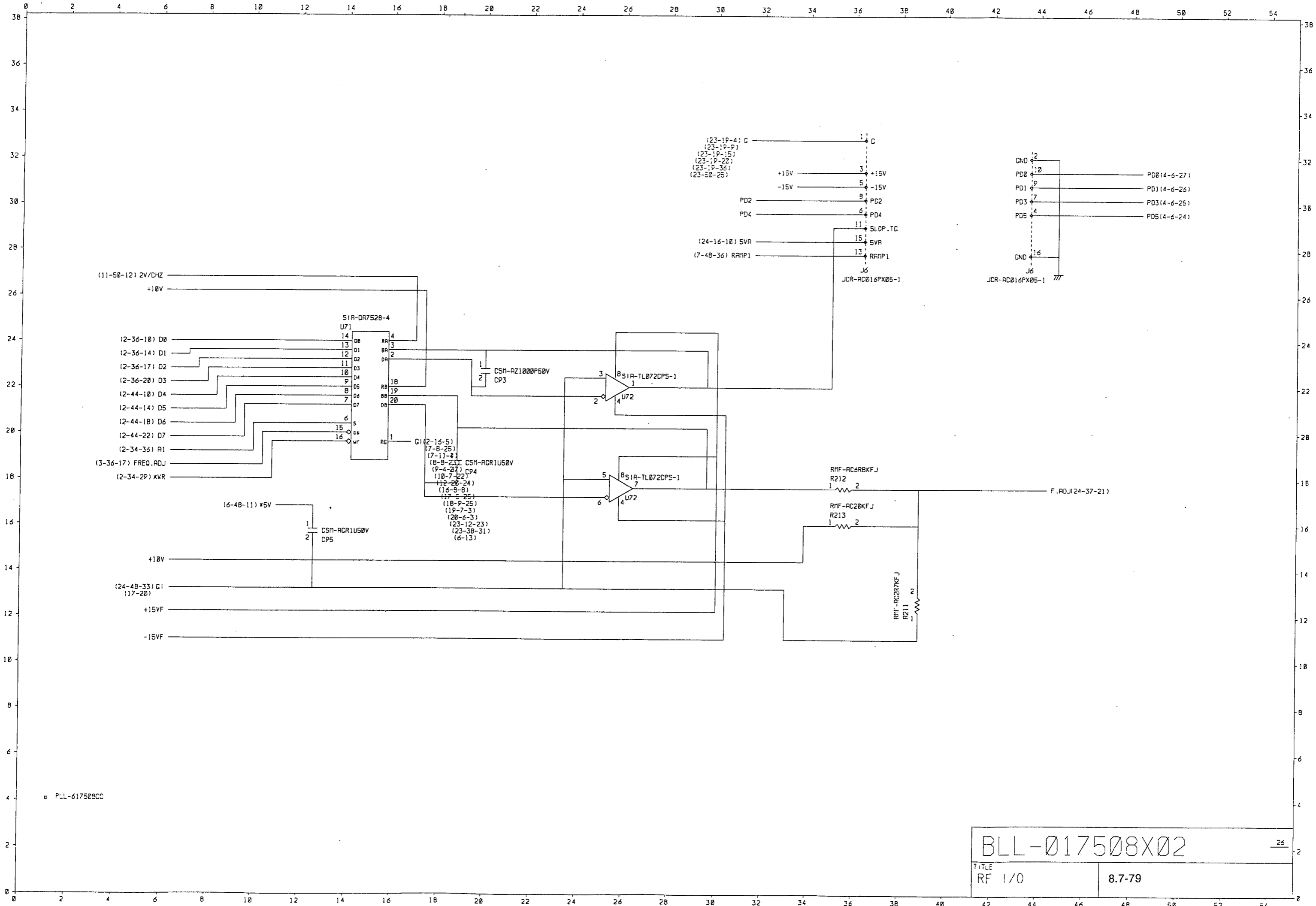
24

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| BLL-017508X02 | |
| TITLE RF 1/0 | 8.7-77 |



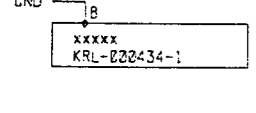
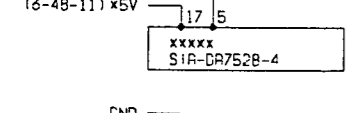
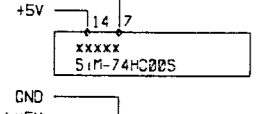
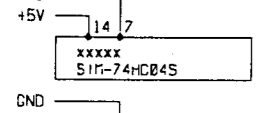
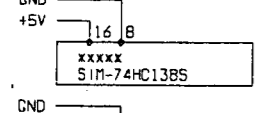
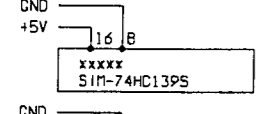
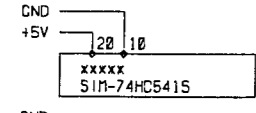
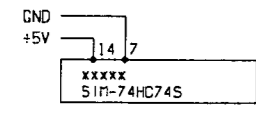
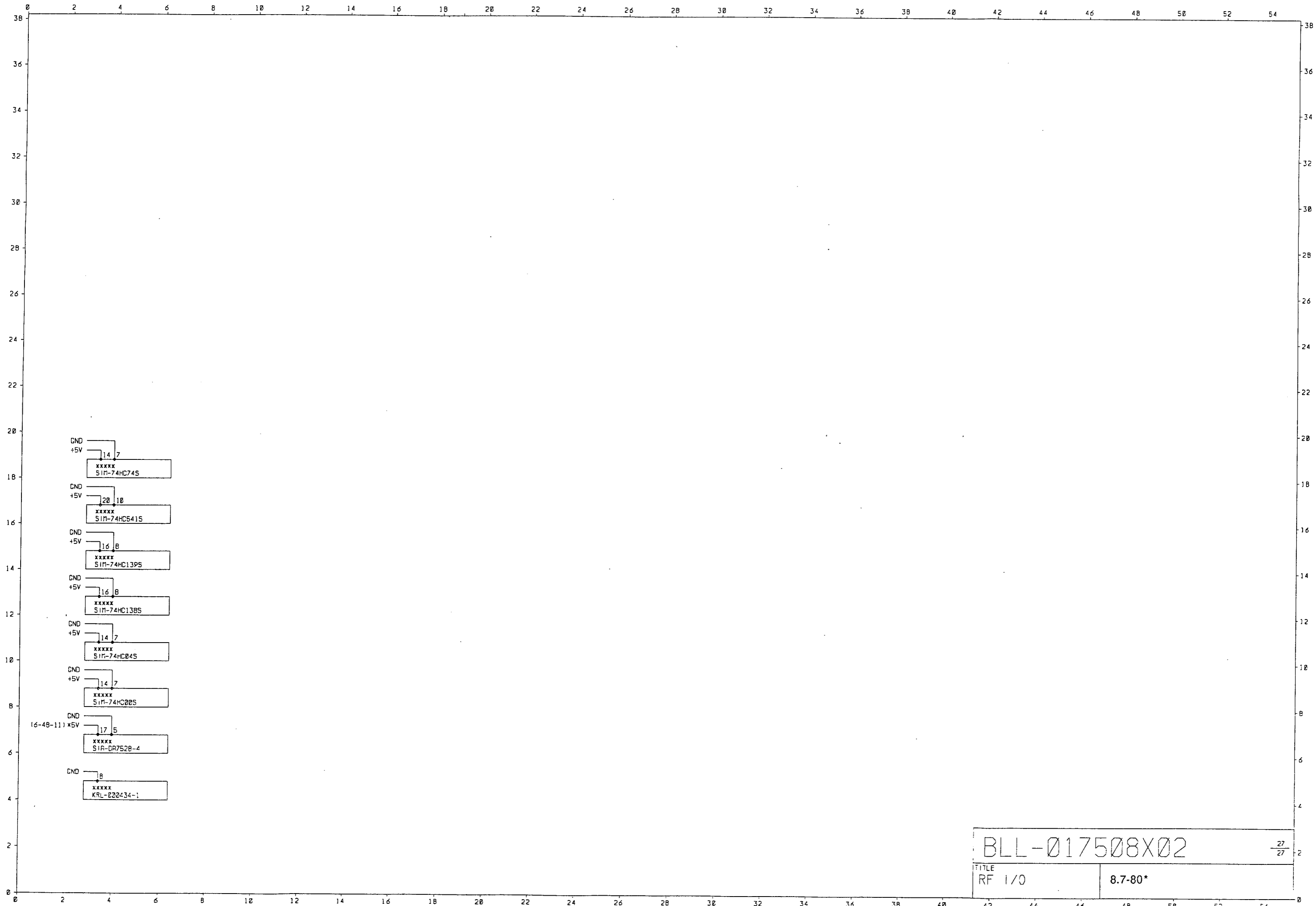
25

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|-----------------|--------|
| BLL-017508X02 | |
| TITLE RF I/O | 8.7-78 |



PLL-617508CC

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|---------------|--------|--------|
| BLL-017508X02 | | 26 |
| TITLE | RF 1/0 | 8.7-79 |



| | | |
|---------------|--------|----------|
| BLL-017508X02 | | 27 27 |
| TITLE | RF 1/0 | 8.7-80* |

**R3265/3271
SYNTHESIZER BLOCK
WBL-32XXSYN**

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|-----------------------------------|------|
| C1 -10 | CFT-AQR01U50V-1 | FXD EMIFIL 10000pF +50%, -20% 50V | |
| C11 -17 | CFT-AQR01U50V-1 | FXD EMIFIL 10000pF +50%, -20% 50V | |
| CB1 -4 | ZCA-C0456X08-1 | COAXIAL CABLE | |
| J1 | JCF-AC001JX02-3 | CONNECTOR COAXIAL | |
| J2 | JCF-AC001JX02-3 | CONNECTOR COAXIAL | |
| J3 | JCF-AC001JX02-3 | CONNECTOR COAXIAL | |
| J4 -10 | JCF-AC001JX02-3 | CONNECTOR COAXIAL | |
| SP1 | SHB-003188-1 | CUSTOM MADE (1st SAMPLER) | |
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R3265/3271
SYNTHESIZER BLOCK
BCL-017046 (1 of 8)

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|------|-------------|--------------|-----|------|
| C1 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C1 | CCK-CH33U25V | FXD | CHIP | 33 μ F | \pm 20% | 25V | |
| C3 | CCP-BA22P50V | FXD | CHIP | 22PF | \pm 10% | 25V | |
| C4 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C5 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C6 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C7 | CCP-BA22P50V | FXD | CHIP | 22PF | \pm 10% | 25V | |
| C8 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C9 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C10 -11 | CCP-BA18P50V | FDX | CHIP | 18pF | \pm 10% | 50V | |
| C12 | CCP-BA22P50V | FXD | CHIP | 22PF | \pm 10% | 25V | |
| C13 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C14 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C15 -16 | CCP-BA18P50V | FDX | CHIP | 18pF | \pm 10% | 50V | |
| C17 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C18 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C19 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C20 -21 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |
| C22 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C23 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C24 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C25 -26 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C27 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C28 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C29 -30 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C31 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C32 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C33 -34 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C35 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C36 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C37 -38 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C39 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C40 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C41 -42 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |
| C43 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C44 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |
| C45 | CCP-BA1000P50V | FXD | CHIP | 1000pF | +10% | 50V | |
| C46 -47 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |
| C48 | CCP-BA15P50V | FXD | CHIP | 15pF | +5% | 50V | |
| C49 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80% -20% | 50V | |

R3265/3271
SYNTHESIZER BLOCK
BCL-017046 (2 of 8)

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|------|--------------|--------------|-----|------|
| C50 | CCP-BA1000P50V | FXD | CHIP | 1000pF | + 10% | 50V | |
| C51 | CCP-BA15P50V | FXD | CHIP | 15pF | + 5% | 50V | |
| C52 | CCP-BA1000P50V | FXD | CHIP | 1000pF | + 10% | 50V | |
| C53 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C54 | CCP-BA1000P50V | FXD | CHIP | 1000pF | + 10% | 50V | |
| C55 -56 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C57 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C58 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C59 -60 | CCP-BA33P50V | FXD | CHIP | 33pF | \pm 5% | 50V | |
| C61 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C62 | CCP-BA1000P50V | FXD | CHIP | 1000pF | + 10% | 50V | |
| C63 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C64 -65 | CCP-BA1000P50V | FXD | CHIP | 1000pF | + 10% | 50V | |
| C66 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C67 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C68 -69 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C70 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C71 -73 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C74 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C75 -76 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C77 -81 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C82 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C83 -84 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C85 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C86 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C87 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C88 -89 | CCP-BA15P50V | FXD | CHIP | 15pF | + 5% | 50V | |
| C90 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C91 -96 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C97 -98 | CTA-AN22U16V | FXD | CHIP | 22 μ F | \pm 20% | 16V | |
| C99 -101 | CCK-CH33U25V | FXD | CHIP | 33 μ F | \pm 20% | 25V | |
| C102 -108 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C109 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C110 -112 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C113 -116 | CCP-BA47P50V | FXD | CHIP | 47pF | \pm 5% | 50V | |
| C117 -118 | CCP-BA100P50V | FXD | CHIP | 100pF | \pm 10% | 50V | |
| C119 -122 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C123 | CCP-BA15P50V | FXD | CHIP | 15pF | + 5% | 50V | |
| C124 -125 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80% -20% | 50V | |
| C126 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |

**R3265/3271
SYNTHESIZER BLOCK
BCL-017046 (3 of 8)**

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|-----------------------------|------|
| C130 | CCP-BA10P50V | FXD CHIP 10pF ±0.5pF 50V | |
| D1 -3 | SDS-1SS281S | SI DIODE | |
| D4 -5 | SDS-1SS193 | SI DIODE | |
| D6 | SDZ-M051 | ZENER DIODE | |
| FL1 -2 | DNF-002116 | SAW FILTER | |
| FL4 | DHB-001174 | CUSTOM MADE (30MHz L, P, F) | |
| FL5 | DNF-000199-2 | FILTER (10M BPF) | |
| L1 | LCL-C00010 | COIL 180μH ±10% | |
| L2 | LCL-E00936 | COIL CHIP 47nH ±20% | |
| L3 -4 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L5 -6 | LCL-E00936 | COIL CHIP 47nH ±20% | |
| L7 | LCL-E01177 | COIL (CUSTOM MADE) | |
| L8 | LCL-E01176 | COIL (CUSTOM MADE) | |
| L9 -10 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L11 -12 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L13 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L14 -15 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L16 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L17 -18 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L19 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L20 -21 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L22 -24 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L25 -26 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L27 | LCL-E00942 | COIL CHIP 150nH ±10% | |
| L28 | LCL-T00084A | COIL (CUSTOM MADE) | |
| L29 | LCL-C00010 | COIL 180μH ±10% | |
| L30 | LCL-T00084A | COIL (CUSTOM MADE) | |
| L31 -32 | LCL-E00948 | COIL CHIP 0.39μH ±20% | |
| L33 | LCL-E00972 | COIL CHIP 47μH ±10% | |
| L34 | LCL-E00948 | COIL CHIP 0.39μH ±20% | |
| P1 -18 | DMY-000934-1 | | |
| Q1 -13 | STN-2SC3356 | TRANSISTOR NPN | |
| Q14 | STN-2SC1623 | TRANSISTOR NPN | |
| Q15 -16 | STN-2SC3356 | TRANSISTOR NPN | |
| Q17 | STN-2SC2223 | TRANSISTOR NPN | |
| Q18 -19 | STP-2SA1226 | TRANSISTOR PNP | |
| Q20 | STN-2SC2223 | TRANSISTOR NPN | |
| R1 | RCP-AN100 | FXD 100Ω ±0.5% 1/10W | |
| R2 | RCP-AN10K | FXD 10KΩ ±0.5% 1/10W | |
| R3 | RCP-AN150 | FXD 150Ω ±0.5% 1/10W | |

**R3265/3271
SYNTHESIZER BLOCK
BCL-017046 (4 of 8)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R4 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R5 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R6 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R7 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R8 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R9 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R10 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R11 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R12 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R13 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R14 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R15 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R16 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R17 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R18 -19 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R20 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R21 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R22 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R23 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R25 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R26 | RCP-AJ3R3 | FXD | 3.3 Ω | $\pm 10\%$ | 1/10W | |
| R27 -28 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R29 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R30 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R31 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R32 | RCP-AJ3R3 | FXD | 3.3 Ω | $\pm 10\%$ | 1/10W | |
| R33 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R34 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R35 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R36 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R37 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R38 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R39 | RCP-AJ3R3 | FXD | 3.3 Ω | $\pm 10\%$ | 1/10W | |
| R40 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R41 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R42 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R43 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R44 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R45 | RCP-AN6R8K | FXD | 6.8K Ω | $\pm 0.5\%$ | 1/10W | |
| R46 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |

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SYNTHESIZER BLOCK
BCL-017046 (5 of 8)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|-------|-------|-------|------|
| R47 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R48 | RCP-AN10 | FXD | 10Ω | ±0.5% | 1/10W | |
| R49 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R50 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R51 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R52 -53 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R54 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R55 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R56 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R57 | RCP-AN6R8K | FXD | 6.8KΩ | ±0.5% | 1/10W | |
| R58 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R59 | RCP-AN4R7K | FXD | 4.7KΩ | ±0.5% | 1/10W | |
| R60 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R61 | RCP-AN10 | FXD | 10Ω | ±0.5% | 1/10W | |
| R62 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R63 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R64 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R65 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R66 | RCP-AN6R8K | FXD | 6.8KΩ | ±0.5% | 1/10W | |
| R67 | RCP-AN4R7K | FXD | 4.7KΩ | ±0.5% | 1/10W | |
| R68 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R69 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R70 | RCP-AN10 | FXD | 10Ω | ±10% | 1/10W | |
| R71 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R72 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R73 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R74 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R75 | RCP-AN10K | FXD | 10KΩ | ±10% | 1/10W | |
| R76 | RCP-AN220 | FXD | 220Ω | ±0.5% | 1/10W | |
| R77 | RCP-AN4R7K | FXD | 4.7KΩ | ±0.5% | 1/10W | |
| R78 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R80 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R81 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R82 -83 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R84 | RCP-AN18 | FXD | 18Ω | ±10% | 1/10W | |
| R85 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R86 | RCP-AN10K | FXD | 10KΩ | ±0.5% | 1/10W | |
| R87 | RCP-AN4R7K | FXD | 4.7KΩ | ±0.5% | 1/10W | |
| R88 | RCP-AN220 | FXD | 220Ω | ±0.5% | 1/10W | |
| R89 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |

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SYNTHESIZER BLOCK
BCL-017046 (6 of 8)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R91 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R92 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R93 -94 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R95 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R96 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R97 | RCP-AN6R8K | FXD | 6.8K Ω | $\pm 0.5\%$ | 1/10W | |
| R98 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R99 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R100 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R101 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R102 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R103 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R104 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R105 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R106 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R107 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R108 -109 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R110 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R111 | RCP-AN68 | FXD | 68 Ω | $\pm 0.5\%$ | 1/10W | |
| R112 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R113 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R114 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R115 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R116 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R117 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R118 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R119 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R120 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R121 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R122 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R123 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R124 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R125 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R126 | RCP-AN68 | FXD | 68 Ω | $\pm 0.5\%$ | 1/10W | |
| R127 -128 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R129 | RCP-AN68 | FXD | 68 Ω | $\pm 0.5\%$ | 1/10W | |
| R130 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R131 | RCP-AN510 | FXD | 510 Ω | $\pm 0.5\%$ | 1/10W | |
| R132 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R133 | RCP-AN510 | FXD | 510 Ω | $\pm 0.5\%$ | 1/10W | |

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SYNTHESIZER BLOCK
BCL-017046 (7 of 8)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-----------------------------------------------|---------------|-------------|-------|------|
| R134 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R136 | RCP-AJ3R3 | FXD | 3.3 Ω | $\pm 10\%$ | 1/10W | |
| R138 -143 | RCP-AN51 | FXD | 51 Ω | $\pm 0.5\%$ | 1/10W | |
| R144 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R145 | RCP-AN68 | FXD | 68 Ω | $\pm 0.5\%$ | 1/10W | |
| R146 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R147 -150 | RCP-AN100K | FXD | 100K Ω | $\pm 0.5\%$ | 1/10W | |
| R151 | RVR-DF100 | VAR | 100 Ω | $\pm 20\%$ | 1/2W | |
| R152 -153 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R154 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R155 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R156 -157 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R158 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R159 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R160 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R161 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R162 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R163 -164 | RCP-AN1R8K | FXD | 1.8K Ω | $\pm 0.5\%$ | 1/10W | |
| R165 -166 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R167 | RCP-AN12K | FXD | 12K Ω | $\pm 0.5\%$ | 1/10W | |
| R168 -169 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R170 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R171 | RCP-AN220K | FXD | 220K Ω | $\pm 0.5\%$ | 1/10W | |
| R172 | RCP-AN56K | FXD | 56K Ω | $\pm 0.5\%$ | 1/10W | |
| R173 | RCP-AN20K | FXD | 20K Ω | $\pm 0.5\%$ | 1/10W | |
| R174 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R175 | RCP-AN12K | FXD | 12K Ω | $\pm 0.5\%$ | 1/10W | |
| R176 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R177 | RCP-AN12K | FXD | 12K Ω | $\pm 0.5\%$ | 1/10W | |
| R178 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R179 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R180 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R181 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R182 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| U1 | SHB-003197 | CUSTOM MADE (200MHz VCXO) | | | | |
| U2 | SIA-1675 | ④ | | | | |
| U3 | SIC-MC12009P | TWO-MODULUS PRESCALER | | | | |
| U4 | SIA-1676 | ④ | | | | |
| U5 | SIT-74F74S | DUAL D-TYPE POSITIVE-EDGE-TRIGGERED FLIP-FLOP | | | | |
| U6 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE-TRIGGERED FLIP-FLOP | | | | |

**R3265/3271
SYNTHESIZER BLOCK
BCL-017046 (8 of 8)**

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|--------------------------------------------|------|
| U7 | SIA-1676 | Ⓐ | |
| U8 | SIC-571 | 500MHz DUAL MODULUS PRESCALER | |
| U9 | SIA-1675 | Ⓐ | |
| U10 -11 | SIA-1676 | Ⓐ | |
| U12 | SIA-OP07PS | ULTRA-LOW OFFSET VOLTAGE OP AMP | |
| U13 | SIA-1675 | Ⓐ | |
| U14 | SIT-74F04S | HEX INVERTERS | |
| U15 | SIT-74F00S | QUAD 2-INPUT NAND GATE | |
| U16 | SIT-74F112S | DUAL J-K NEGATIVE-EDGE-TRIGGERED FLIP-FLOP | |
| U17 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U18 | SIA-393S-1 | ULTRA-LOW POWER QUAD COMPARATOR | |
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SYNTHESIZER BLOCK
BLS-017044 (1 of 25)

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|------|--------------|-------------|------|------|
| C1 -10 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C18 -23 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C31 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C35 -41 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C43 | CFM-ANR47U50V | FXD | FILM | 0.47 μ F | \pm 5% | 50V | |
| C44 | CFM-ANR1U50V | FXD | FILM | 0.1 μ F | \pm 5% | 50V | |
| C45 -48 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C49 -50 | CFM-AN1U50V | FXD | FILM | 1 μ F | \pm 5% | 50V | |
| C51 | CTA-AN22U16V | FXD | CHIP | 22 μ F | \pm 20% | 16V | |
| C52 | CCP-AT33PR1K | FXD | CHIP | 33pF | \pm 50% | 100V | |
| C53 -54 | CCP-AV62PR1K | FXD | CHIP | 62pF | \pm 2% | 100V | |
| C55 | CCP-AT33PR1K | FXD | CHIP | 33pF | \pm 5% | 100V | |
| C56 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C57 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C58 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C59 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C60 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C61 -63 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C65 -67 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C73 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C74 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C75 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C76 | CCP-BA8P50V | FXD | CHIP | 8pF | \pm 0.5pF | 50V | |
| C77 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C78 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C79 -80 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C81 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C82 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C85 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C86 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C87 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C88 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C89 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C90 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C91 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C92 -93 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C98 -103 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C105 | CFM-AN1U50V | FXD | FILM | 1 μ F | \pm 5% | 50V | |
| C106 | CFM-AS2200P50V | FXD | FILM | 2200pF | \pm 10% | 50V | |
| C107 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |

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SYNTHESIZER BLOCK
BLS-017044 (2 of 25)

| Parts No. | Advantest Stock No. | Description | | | | Note | |
|-----------|---------------------|-------------|------|--------------|--------------|------|--|
| C108 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C109 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C110 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C111 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C112 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C113 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C114 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C115 | CCP-AT16PR1K | FXD | CHIP | 16pF | \pm 10% | 100V | |
| C116 -117 | CCP-AT30PR1K | FXD | CHIP | 30pF | \pm 5% | 100V | |
| C118 | CCP-AT16PR1K | FXD | CHIP | 16pF | \pm 10% | 100V | |
| C119 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C120 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C121 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C123 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C124 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C125 -131 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C136 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C137 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C138 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C139 | CCP-BA8P50V | FXD | CHIP | 8pF | 0.5pF | 50V | |
| C140 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C141 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C142 -143 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C144 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C145 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C146 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C147 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C151 | CCP-AT5PR1K | FXD | CHIP | 5pF | \pm 0.25pF | 100V | |
| C152 | CCP-AT3PR1K | FXD | CHIP | 3pF | \pm 0.25pF | 100V | |
| C153 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C154 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C155 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C156 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C157 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C158 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C161 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C162 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C163 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C164 | CCP-BA8P50V | FXD | CHIP | 8pF | \pm 0.5pF | 50V | |
| C165 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |

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SYNTHESIZER BLOCK
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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|------|--------------|--------------|------|------|
| C166 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C167 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C168 | CCP-BA8P50V | FXD | CHIP | 8pF | +0.5pF | 50V | |
| C169 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C170 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C171 -172 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C173 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C174 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C179 -185 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C187 | CFM-ANR1U50V | FXD | FILM | 0.1 μ F | \pm 5% | 50V | |
| C189 -192 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C193 | CFM-AN1U50V | FXD | FILM | 1 μ F | \pm 5% | 50V | |
| C194 | CTA-AN3R3U16V | FXD | CHIP | 3.3 μ F | \pm 20% | 16V | |
| C195 | CCP-AV160PR1K | FXD | CHIP | 160pF | \pm 2% | 100V | |
| C196 -197 | CCP-AW300PR1K | FXD | CHIP | 300pF | \pm 1% | 100V | |
| C198 | CCP-AV160PR1K | FXD | CHIP | 160pF | \pm 2% | 100V | |
| C199 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C200 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C201 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C203 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C204 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C205 -206 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C207 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C208 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C209 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C210 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C211 | CFM-AN1U50V | FXD | FILM | 1 μ F | \pm 5% | 50V | |
| C212 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C213 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C214 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C215 | CCP-BA8P50V | FXD | CHIP | 8pF | \pm 0.5pF | 50V | |
| C216 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C217 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C218 -219 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C220 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C221 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C222 | CCP-AT5PR1K | FXD | CHIP | 5pF | \pm 0.25pF | 100V | |
| C223 | CCP-AT3PR1K | FXD | CHIP | 3pF | \pm 0.25pF | 100V | |
| C224 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C225 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|-------|--------|-----------|-----|------|
| C226 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C227 -228 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 50V | |
| C230 | CCP-BAR01U50V | FXD | CHIP | 0.01µF | ± 10% | 50V | |
| C231 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C232 | CCP-BA10P50V | FXD | CHIP | 10pF | ± 0.5pF | 50V | |
| C233 | CCP-BA1P50V | FXD | CHIP | 1pF | ± 0.25pF | 50V | |
| C234 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C236 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C245 | CCK-CV100U25V | FXD | ELECT | 100µF | ± 20% | 25V | |
| C247 -250 | CCK-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C251 | CFM-AN1U50V | FXD | FILM | 1µF | ± 5% | 50V | |
| C252 -254 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C255 -256 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 16V | |
| C257 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C258 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C259 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C265 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C267 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C270 | CCP-BA47P50V | FXD | CHIP | 47pF | ± 5% | 50V | |
| C271 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C272 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C299 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 50V | |
| C301 -304 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C305 -306 | CTA-AN1U35V | FXD | CHIP | 1µF | ± 20% | 35V | |
| C307 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C308 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C309 -310 | CCK-CV100U25V | FXD | ELECT | 100µF | ± 20% | 25V | |
| C311 | CCK-CV470U10V | FXD | ELECT | 470µF | ± 20% | 10V | |
| C403 | CTA-AN22U16V | FXD | CHIP | 22µF | ± 20% | 16V | |
| C404 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 50V | |
| C405 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C406 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C407 -408 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 50V | |
| C409 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C410 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C411 -412 | CCP-BA5P50V | FXD | CHIP | 5pF | ± 0.25pF | 50V | |
| C413 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 50V | |
| C414 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C416 -417 | CCP-BA5P50V | FXD | CHIP | 5pF | ± 0.25pF | 50V | |
| C418 | CCP-BA15P50V | FXD | CHIP | 15pF | ± 5% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|------|--------|----------|-----|------|
| C419 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1pF | +80%-20% | 50V | |
| C421 -422 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C423 | CCP-BA15P50V | FXD | CHIP | 15pF | ±5% | 50V | |
| C424 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C425 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C426 -427 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C428 | CCP-BA15P50V | FXD | CHIP | 15pF | ±5% | 50V | |
| C429 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C430 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C431 -432 | CCP-BA15P50V | FXD | CHIP | 15pF | ±5% | 50V | |
| C433 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C434 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C435 | CCP-BA12P50V | FXD | CHIP | 12pF | ±5% | 16V | |
| C436 | CCP-BA10P50V | FXD | CHIP | 10pF | ±0.5pF | 50V | |
| C437 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C438 | CCP-BA15P50V | FXD | CHIP | 15pF | ±5% | 50V | |
| C439 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C440 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C441 | CCP-BA7P50V | FXD | CHIP | 7pF | ±0.5pF | 50V | |
| C442 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C443 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C444 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C445 -448 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C449 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C450 -451 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C452 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C453 -456 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C457 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C458 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C459 -460 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C461 -463 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C464 | CTA-AN3R3U16V | FXD | CHIP | 3.3μF | ±20% | 16V | |
| C465 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C466 | CTA-AN3R3U16V | FXD | CHIP | 3.3μF | ±20% | 16V | |
| C467 -469 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C470 | CCP-BA15P50V | FXD | CHIP | 15pF | ±5% | 50V | |
| C471 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C472 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C473 -474 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C475 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1μF | +80%-20% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|-----------|---------------------|-------------|-------|---------------|-----------|-----|------|
| C476 | CTA-AN3R3U16V | FXD | CHIP | 3.3 μ F | \pm 20% | 16V | |
| C477 -493 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80%-20% | 50V | |
| C494 | CCP-BA470P50V | FXD | CHIP | 470pF | \pm 5% | 50V | |
| C495 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C498 -499 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C500 | CFM-ANR033U50V-2 | FXD | FILM | 0.033 μ F | \pm 5% | 50V | |
| C501 -502 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C517 | CCK-CX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C518 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C519 -526 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80%-20% | 50V | |
| C530 -531 | CCP-BA47P50V | FXD | CHIP | 47pF | \pm 5% | 50V | |
| C532 | CCK-CH33U25V | FXD | CHIP | 33 μ F | \pm 20% | 25V | |
| C533 -534 | CCK-CV100U25V | FXD | ELECT | 100 μ F | \pm 20% | 25V | |
| C535 | CCK-470U10V | FXD | ELECT | 470 μ F | \pm 20% | 10V | |
| C536 -537 | CCK-CV100U25V | FXD | ELECT | 100 μ F | \pm 20% | 25V | |
| C540 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C541 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C542 | CCP-BA22P50V | FXD | CHIP | 22pF | \pm 10% | 50V | |
| C543 | CFM-ANR033U50V-2 | FXD | FILM | 0.033 μ F | \pm 5% | 50V | |
| C544 | CCP-BA33P50V | FXD | CHIP | 33pF | \pm 5% | 50V | |
| C547 | CCK-CX33U16V | FXD | ELECT | 33 μ F | \pm 20% | 16V | |
| C548 -550 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C551 | CCK-CV470U10V | FXD | ELECT | 470 μ F | \pm 20% | 10V | |
| C552 -557 | CCK-CV100U25V | FXD | ELECT | 100 μ F | \pm 20% | 25V | |
| C558 -560 | CCK-CX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C561 -562 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80%-20% | 50V | |
| C563 | CCK-CV100U25V | FXD | CHIP | 100 μ F | \pm 20% | 25V | |
| C570 | CCP-BA220P50V | FXD | CHIP | 220pF | \pm 5% | 50V | |
| C571 | CCP-BA22P50V | FXD | CHIP | 22pF | \pm 10% | 50V | |
| C573 | CCP-BA22P50V | FXD | CHIP | 22pF | \pm 10% | 50V | |
| C574 -575 | CCP-BA220P50V | FXD | CHIP | 220pF | \pm 10% | 50V | |
| C576 | CCP-BA22P50V | FXD | CHIP | 22pF | \pm 10% | 50V | |
| C577 | CCP-BA220P50V | FXD | CHIP | 220pF | \pm 10% | 50V | |
| C578 -579 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C580 | CCK-CX10U25V | FXD | ELECT | 10 μ F | \pm 20% | 25V | |
| C581 -582 | CTA-AN3R3U16V | FXD | CHIP | 3.3 μ F | \pm 20% | 16V | |
| C583 -584 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C585 -586 | CCK-CX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C587 -588 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | + 80%-20% | 50V | |
| C589 | CCP-BA33P50V | FXD | CHIP | 33pF | \pm 5% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | Note | |
|-----------|---------------------|-------------|-------|---------------|--------------|------|--|
| C590 -624 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C630 | CCK-CX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C631 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C632 -633 | CCP-BA220P50V | FXD | CHIP | 220pF | \pm 5% | 50V | |
| C634 -635 | CFM-AHR068UR1K | FXD | FILM | 0.068 μ F | \pm 10% | 100V | |
| C636 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C637 | CFM-AN1U50V | FXD | FILM | 1 μ F | \pm 5% | 50V | |
| C638 | CTA-AN3RU3U16V | FXD | CHIP | 3.3 μ F | \pm 20% | 16V | |
| C639 -640 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |
| C641 -642 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C643 -644 | CCP-BA1000P50V | FXD | CHIP | 1000pF | \pm 10% | 50V | |
| C645 -646 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |
| C647 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C648 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C649 | CCP-BA15P50V | FXD | CHIP | 15pF | \pm 5% | 50V | |
| C650 -651 | CCP-BA5P50V | FXD | CHIP | 5pF | \pm 0.25pF | 50V | |
| C652 -653 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C654 | CCK-CX100U16V | FXD | ELECT | 100 μ F | \pm 20% | 16V | |
| C655 | CCP-BAR01U50V | FXD | CHIP | 0.01 μ F | \pm 10% | 50V | |
| C656 -657 | CCP-BA33P50V | FXD | CHIP | 33pF | \pm 5% | 50V | |
| C658 | CCP-BA10P50V | FXD | CHIP | 10pF | \pm 0.5% | 50V | |
| C659 | CCK-CV100U35V | FXD | ELECT | 100 μ F | \pm 20% | 35V | |
| C660 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C661 | CCP-BA470P50V | FXD | CHIP | 470pF | \pm 5% | 50V | |
| C662 -669 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C674 -677 | CCP-BA47P50V | FXD | CHIP | 47pF | \pm 5% | 50V | |
| C678 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C679 | CFM-ANR1U50V | FXD | FILM | 0.1 μ F | \pm 5% | 50V | |
| C680 -681 | CCK-CX47U10V | FXD | ELECT | 47 μ F | \pm 20% | 10V | |
| C683 | CCK-CX22U50V | FXD | CHIP | 22 μ F | \pm 20% | 50V | |
| C684 | CCP-BA22P50V | FXD | CHIP | 22pF | \pm 10% | 50V | |
| C687 -688 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |
| C689 | CTA-AN1U35V | FXD | CHIP | 1 μ F | \pm 20% | 35V | |
| C691 | CCP-BA220P50V | FXD | CHIP | 220 μ F | \pm 5% | 50V | |
| C692 | CCK-CV100U25V | FXD | ELECT | 100 μ F | \pm 20% | 25V | |
| C693 -694 | CCP-TCR1U50V-2 | FXD | ELECT | 0.1 μ F | +80%-20% | 50V | |
| C695 -696 | CFM-AS1000P50V | FXD | FILM | 1000pF | \pm 10% | 50V | |
| C697 | CFM-AS3300P50V | FXD | FILM | 3300pF | \pm 10% | 50V | |
| C698 | CFM-AS1500P50V | FXD | FILM | 1500pF | \pm 10% | 50V | |
| C699 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1 μ F | +80%-20% | 50V | |

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|------------|---------------------|--------------------------------|-------|--------|-----------|------|------|
| C700 -701 | CCP-47P50V | FXD | CHIP | 47pF | ± 5% | 50V | |
| C702 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C703 | CSM-AGR1U50V | FXD | CER | 0.1µF | + 80%-20% | 50V | |
| C704, -705 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1µF | + 80%-20% | 50V | |
| C706 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ± 10% | 50V | |
| C707 -709 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1MF | + 80%-20% | 50V | |
| C710 | CCP-BA100P50V | FXD | CHIP | 100pF | ± 10% | 50V | |
| C711 -714 | CCP-TCR1U50V-2 | FXD | CHIP | 0.1MF | + 80%-20% | 50V | |
| C720 -721 | CFM-ANR47U50V | FXD | FILM | 0.47µF | ± 5% | 50V | |
| C722 | CFM-AN1U50V | FXD | FILM | 1µF | ± 5% | 50V | |
| C723 | CCP-BA22P50V | FXD | CHIP | 22pF | ± 10% | 50V | |
| C724 | CFM-AN1U50V | FXD | FILM | 1µF | ± 5% | 50V | |
| D1 -4 | SDS-1SS193 | SI DIODE | | | | | |
| D9 -10 | SDS-1SS220 | SI DIODE | | | | | |
| D11 -12 | SDS-1SS193 | SI DIODE | | | | | |
| D14 -15 | SDS-1SS220 | SI DIODE | | | | | |
| D17 -18 | SDS-1SS220 | SI DIODE | | | | | |
| D19 -20 | SDS-1SS193 | SI DIODE | | | | | |
| D38 -44 | SDS-MA78 | SI DIODE | | | | | |
| D45 -46 | SDS-LS955 | SI DIODE | | | | | |
| D49 | SDS-1SS193 | SI DIODE | | | | | |
| D50 -51 | SDS-LD1 | SI DIODE | | | | | |
| D52 | SDS-1SS193 | SI DIODE | | | | | |
| D55 | SDS-1SS220 | SI DIODE | | | | | |
| D56 -58 | SDS-1SS193 | SI DIODE | | | | | |
| D59 | SDZ-M051 | ZENER DIODE | | | | 5.1V | |
| D60 | SDS-1SS193 | SI DIODE | | | | | |
| D61 | SDS-MA78 | SI DIODE | | | | | |
| D62 -63 | SDS-1SS193 | SI DIODE | | | | | |
| J1 | JCR-CA64PX02 | CONNECTOR | 64PIN | | | | |
| J2 | JCR-CA50PX02 | CONNECTOR | 50PIN | | | | |
| J3 | JCS-DN006PX01-1 | CONNECTOR | 6PIN | | | | |
| J4 | JTE-BV002EX02-1 | SHORT CIRCUIT FAILURE PIN | | | | | |
| J5 | JCI-AT001JX06-2 | SHORT CIRCUIT FAILURE CONECTOR | | | | | |
| J20 | JCF-BA001JX01-1 | CONECTOR COAXIAL | | | | | |
| L1 | LCL-E00940 | CHIP COIL | 100nH | ± 10% | | | |
| L2 | LCL-E00941 | CHIP COIL | 120nH | ± 10% | | | |
| L3 | LCL-E00940 | CHIP COIL | 100nH | ± 10% | | | |
| L5 | LCL-E00933 | CHIP COIL | 22nH | ± 20% | | | |
| L6 -7 | LCL-E01174 | COIL (CUSTOM MADE) | | | | | |

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| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|------------------------|------|
| L11 | LCL-E00938 | CHIP COIL 68nH ± 20% | |
| L12 | LCL-E00939 | CHIP COIL 82nH ± 20% | |
| L13 | LCL-E00938 | CHIP COIL 68nH ± 20% | |
| L15 | LCL-E00933 | CHIP COIL 22nH ± 20% | |
| L16 -17 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L18 | LCL-E00931 | CHIP COIL 10nH ± 20% | |
| L19 | LCL-E00932 | CHIP COIL 18nH ± 20% | |
| L20 | LCL-E00933 | CHIP COIL 22nH ± 20% | |
| L21 -22 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L23 | LCL-E00933 | CHIP COIL 18nH ± 20% | |
| L24 -25 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L27 | LCL-E00949 | CHIP COIL 0.56μH ± 20% | |
| L28 | LCL-E00950 | CHIP COIL 0.68μH ± 20% | |
| L29 | LCL-E00949 | CHIP COIL 0.56μH ± 20% | |
| L31 | LCL-E00933 | CHIP COIL 22nH ± 20% | |
| L32 -33 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L34 | LCL-E00931 | CHIP COIL 10nH ± 20% | |
| L35 | LCL-E00932 | CHIP COIL 18nH ± 20% | |
| L36 | LCL-E00933 | CHIP COIL 22nH ± 20% | |
| L50 -61 | LCL-T00084A | COIL (CUSTOM MADE) | |
| L90 | LCL-E00933 | CHIP COIL 18nH ± 20% | |
| L91 -92 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L93 -97 | LCL-E00933 | CHIP COIL 18nH ± 20% | |
| L98 -99 | LCL-E01174 | COIL (CUSTOM MADE) | |
| L100 -101 | LCL-E00933 | CHIP COIL 18nH ± 20% | |
| L102 | LCL-T00480-1 | COIL (CUSTOM MADE) | |
| L103 | LCL-E00933 | CHIP COIL 18nH ± 20% | |
| L104 -106 | LCL-T00084A | COIL (CUSTOM MADE) | |
| L107 | LCL-E00939 | CHIP COIL 82nH ± 20% | |
| L109 -110 | LCL-E00937 | CHIP COIL 56nH ± 20% | |
| L111 | LCL-E00939 | CHIP COIL 82nH ± 20% | |
| L112 | LCK-E00937 | CHIP COIL 56nH ± 20% | |
| L113 | LCL-E00939 | CHIP COIL 82nH ± 20% | |
| L115 -117 | LCL-E00939 | CHIP COIL 82nH ± 20% | |
| L118 | LCL-T00084A | COIL (CUSTOM MADE) | |
| L119 | LCL-E00939 | CHIP COIL 82nH ± 20% | |
| L120 | LCL-E00937 | CHIP COIL 56nH ± 20% | |
| L122 -129 | LCL-E00933 | CHIP COIL 22nH ± 20% | |
| L130 -131 | LCL-E00952 | CHIP COIL 1μH ± 20% | |
| L132 | LCL-T00084A | COIL (CUSTOM MADE) | |

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| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|-----------------------------------|------|
| L133 | LCL-E00942 | CHIP COIL 150nH ± 10% | |
| L134 | LCL-T00084A | COIL (CUSTOM MADE) | |
| L135 -138 | LCL-E00948 | CHIP COIL 0.39μH ± 20% | |
| L139 -140 | LCL-E00941 | CHIP COIL 120nH ± 10% | |
| L141 | LCL-E00948 | CHIP COIL 0.39μH ± 20% | |
| L143 | LCL-B01001 | COIL 3.9μH ± 10% | |
| L145 | LCL-E00948 | CHIP COIL 0.39μH ± 20% | |
| L150 -155 | LCL-E00933 | CHIP COIL 22nH ± 20% | |
| MX1 -4 | DEE-001911 | DOUBLE CUSTOM MIXER (CUSTOM MADE) | |
| P1 -15 | DMY-000934-1 | | |
| P17 -22 | DMY-000934-1 | | |
| P24 -26 | DMY-000934-1 | | |
| P28 -32 | DMY-000934-1 | | |
| P35 -36 | DMY-000934-1 | | |
| Q1 | STN-2SC2223 | NPN TRANSISTOR | |
| Q2 -3 | STP-2SA1226 | PNP TRANSISTOR | |
| Q4 | STN-2SC2223 | NPN TRANSISTOR | |
| Q5 -6 | STN-2SC2712 | NPN TRANSISTOR | |
| Q10 -11 | STN-2SC3356 | NPN TRANSISTOR | |
| Q13 | STN-2SC2223 | NPN TRANSISTOR | |
| Q14 -15 | STP-2SA1226 | PNP TRANSISTOR | |
| Q16 | STN-2SC2223 | NPN TRANSISTOR | |
| Q17 -21 | STN-2SC2712 | NPN TRANSISTOR | |
| Q24 -27 | STN-2SC3356 | NPN TRANSISTOR | |
| Q30 | STN-2SC2223 | NPN TRANSISTOR | |
| Q31 -32 | STP-2SA1226 | PNP TRANSISTOR | |
| Q33 | STN-2SC2223 | NPN TRANSISTOR | |
| Q34 -35 | STN-2SC2712 | NPN TRANSISTOR | |
| Q38 | STN-2SC3356 | NPN TRANSISTOR | |
| Q39 | STN-2SC3357 | NPN TRANSISTOR | |
| Q40 | STN-2SC3356 | NPN TRANSISTOR | |
| Q48 -49 | STN-2SC2712 | NPN TRANSISTOR | |
| Q55 | SFN-2SK429-1 | FIELD-EFFECT TRANSISTOR | |
| Q56 | STN-2SK1059-1 | MOS FIELD-EFFECT TRANSISTOR | |
| Q71 -77 | STN-2SC3356 | NPN TRANSISTOR | |
| Q78 | STN-2SC3357 | NPN TRANSISTOR | |
| Q79 | STP-2SA812 | PNP TRANSISTOR | |
| Q80 -81 | STN-2SC2712 | NPN TRANSISTOR | |
| Q82 | STN-2SC3356 | NPN TRANSISTOR | |
| Q83 | STN-2SC3735B-1 | NPN TRANSISTOR | |

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| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|------------------------------------|------|
| Q84 -85 | STP-2SA1462 | PNP TRANSISTOR | |
| Q86 | STN-2SC3735B-1 | NPN TRANSISTOR | |
| Q87 -88 | STN-2SC2712 | NPN TRANSISTOR | |
| Q91 -94 | STN-2SC2712 | NPN TRANSISTOR | |
| Q95 | STP-2SA812 | PNP TRANSISTOR | |
| Q96 | STN-2SC2712 | NPN TRANSISTOR | |
| Q98 | STN-2SC2884-1 | NPN TRANSISTOR | |
| Q99 | STP-2SA1204 | PNP TRANSISTOR | |
| Q100 -101 | STN-2SC2712 | NPN TRANSISTOR | |
| Q102 | STP-2SA812 | PNP TRANSISTOR | |
| Q105 | STN-2SC2954S | NPN TRANSISTOR | |
| Q106 | STN-2SC2712 | NPN TRANSISTOR | |
| R2 | RCP-AN27K | FXD 27K Ω \pm 0.5% 1/10W | |
| R3 | RCP-AN8R2K | FXD 8.2K Ω \pm 0.5% 1/10W | |
| R4 | RCP-AN1K | FXD 1K Ω \pm 0.5% 1/10W | |
| R5 | RCP-AN7R5K | FXD 7.5K Ω \pm 0.5% 1/10W | |
| R6 | RCP-AN3R9K | FXD 3.9K Ω \pm 0.5% 1/10W | |
| R7 | RCP-AN10K | FXD 10K Ω \pm 0.5% 1/10W | |
| R8 | RCP-AN680 | FXD 680 Ω \pm 0.5% 1/10W | |
| R9 | RCP-AN39K | FXD 39K Ω \pm 0.5% 1/10W | |
| R10 | RCP-AN100K | FXD 100K Ω \pm 0.5% 1/10W | |
| R11 | RCP-AN33 | FXD 33 Ω \pm 0.5% 1/10W | |
| R12 | RCP-AN51K | FXD 51K Ω \pm 0.5% 1/10W | |
| R13 | RCP-AN11K | FXD 11K Ω \pm 0.5% 1/10W | |
| R14 | RCP-AN2R2K | FXD 2.2K Ω \pm 0.5% 1/10W | |
| R15 | RCP-AN1R5K | FXD 1.5K Ω \pm 0.5% 1/10W | |
| R16 | RCP-AN8R2K | FXD 8.2K Ω \pm 0.5% 1/10W | |
| R17 | RCP-AN12K | FXD 12K Ω \pm 0.5% 1/10W | |
| R18 | RCP-AN4R7K | FXD 4.7K Ω \pm 0.5% 1/10W | |
| R19 | RCP-AN620 | FXD 620 Ω \pm 0.5% 1/10W | |
| R20 | RCP-AN10 | FXD 10 Ω \pm 0.5% 1/10W | |
| R21 | RCP-AN120 | FXD 120 Ω \pm 0.5% 1/10W | |
| R22 | RCP-AN5R1K | FXD 5.1K Ω \pm 0.5% 1/10W | |
| R24 | RCP-AN5R1K | FXD 5.1K Ω \pm 0.5% 1/10W | |
| R25 | RCP-AN10K | FXD 10K Ω \pm 0.5% 1/10W | |
| R26 | RCP-AN620 | FXD 620 Ω \pm 0.5% 1/10W | |
| R27 | RCP-AN51K | FXD 51K Ω \pm 0.5% 1/10W | |
| R28 | RCP-AN100K | FXD 100K Ω \pm 0.5% 1/10W | |
| R29 | RCP-AN27 | FXD 27 Ω \pm 0.5% 1/10W | |
| R30 | RCP-AN51K | FXD 51K Ω \pm 0.5% 1/10W | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R31 | RCP-AN6R8K | FXD | 6.8K Ω | $\pm 0.5\%$ | 1/10W | |
| R32 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R33 | RCP-AN3R3K | FXD | 3.3K Ω | $\pm 0.5\%$ | 1/10W | |
| R34 | RCP-AN3R9K | FXD | 3.9K Ω | $\pm 0.5\%$ | 1/10W | |
| R37 | RCP-AN1R2K | FXD | 1.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R40 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R43 | RCP-AN9R1K | FXD | 9.1K Ω | $\pm 0.5\%$ | 1/10W | |
| R44 | RCP-AN2R7K | FXD | 2.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R47 | RCP-AN910 | FXD | 910 Ω | $\pm 0.5\%$ | 1/10W | |
| R48 -49 | RCP-AN22 | FXD | 22 Ω | $\pm 0.5\%$ | 1/10W | |
| R50 | RCP-AN910 | FXD | 910 Ω | $\pm 0.5\%$ | 1/10W | |
| R51 -52 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R53 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R54 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R55 | RCP-AN6R8K | FXD | 6.8K Ω | $\pm 0.5\%$ | 1/10W | |
| R56 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R57 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R58 | RCP-AN18K | FXD | 18K Ω | $\pm 0.5\%$ | 1/10W | |
| R59 | RCP-AN47K | FXD | 47K Ω | $\pm 0.5\%$ | 1/10W | |
| R60 | RCP-AN100K | FXD | 100K Ω | $\pm 0.5\%$ | 1/10W | |
| R61 -62 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R63 | RCP-AN390 | FXD | 390 Ω | $\pm 0.5\%$ | 1/10W | |
| R64 | RCP-AN3R3K | FXD | 3.3K Ω | $\pm 0.5\%$ | 1/10W | |
| R65 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R66 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R67 | RCP-AN3R3K | FXD | 3.3K Ω | $\pm 0.5\%$ | 1/10W | |
| R68 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R69 -70 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R71 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R72 -73 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R74 -75 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R78 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R79 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R80 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R81 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R82 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R83 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R84 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R85 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R86 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |

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| Parts No. | Advantest Stock No. | Description | | | Note | |
|-----------|---------------------|-------------|---------------|-------------|-------|--|
| R87 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R88 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R89 | RCP-AN62 | FXD | 62 Ω | $\pm 0.5\%$ | 1/10W | |
| R90 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R91 | RCP-AN62 | FXD | 62 Ω | $\pm 0.5\%$ | 1/10W | |
| R92 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R93 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R94 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R95 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R96 | RCP-AN390 | FXD | 390 Ω | $\pm 0.5\%$ | 1/10W | |
| R97 | RCP-AN120 | FXD | 120 Ω | $\pm 0.5\%$ | 1/10W | |
| R98 | RCP-AN51 | FXD | 51 Ω | $\pm 0.5\%$ | 1/10W | |
| R99 | RCP-AN120 | FXD | 120 Ω | $\pm 0.5\%$ | 1/10W | |
| R100 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R101 -102 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R103 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R104 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R105 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R106 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R107 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R109 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R110 -111 | RCP-AN22 | FXD | 22 Ω | $\pm 0.5\%$ | 1/10W | |
| R112 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R113 -114 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R115 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R116 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R117 | RCP-AN6R8K | FXD | 6.8K Ω | $\pm 0.5\%$ | 1/10W | |
| R118 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R119 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R120 | RCP-AN51 | FXD | 51 Ω | $\pm 0.5\%$ | 1/10W | |
| R121 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R122 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R123 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R124 | RCP-AN560 | FXD | 560 Ω | $\pm 0.5\%$ | 1/10W | |
| R125 | RCP-AN15K | FXD | 15K Ω | $\pm 0.5\%$ | 1/10W | |
| R126 -130 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R131 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R132 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R133 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R134 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R135 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R136 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R137 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R138 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R139 -140 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R141 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R142 | RCP-AN180 | FXD | 180 Ω | $\pm 0.5\%$ | 1/10W | |
| R143 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R144 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R145 -149 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R150 -151 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R156 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R157 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R158 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R159 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R160 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R161 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R162 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R163 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R164 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R165 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R166 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R167 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R168 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R169 -170 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R171 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R172 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R176 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R177 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R178 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R179 | RCP-AN390 | FXD | 390 Ω | $\pm 0.5\%$ | 1/10W | |
| R180 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R181 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R182 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R183 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R185 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R186 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R187 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R188 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R189 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |

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SYNTHESIZER BLOCK
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|-------|-------|-------|------|
| R190 | RCP-AN47 | FXD | 47Ω | ±0.5% | 1/10W | |
| R191 | RCP-AN10K | FXD | 10KΩ | ±0.5% | 1/10W | |
| R192 | RCP-AN4R7K | FXD | 4.7KΩ | ±0.5% | 1/10W | |
| R193 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R194 | RCP-AN470 | FXD | 470Ω | ±0.5% | 1/10W | |
| R195 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R196 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R197 | RCP-AN39 | FXD | 39Ω | ±0.5% | 1/10W | |
| R198 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R199 | RCP-AN33 | FXD | 33Ω | ±0.5% | 1/10W | |
| R200 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R201 | RCP-AN39 | FXD | 39Ω | ±0.5% | 1/10W | |
| R202 | RCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R203 | RCP-AN33 | FXD | 33Ω | ±0.5% | 1/10W | |
| R204 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R205 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R206 | RCP-AN47 | FXD | 47Ω | ±0.5% | 1/10W | |
| R208 | RCP-AN330 | FXD | 330Ω | ±0.5% | 1/10W | |
| R209 | RCP-AN18 | FXD | 18Ω | ±0.5% | 1/10W | |
| R213 | RCP-AN820 | FXD | 820Ω | ±0.5% | 1/10W | |
| R214 -215 | RCP-AN22 | FXD | 22Ω | ±0.5% | 1/10W | |
| R216 | RCP-AN820 | FXD | 820Ω | ±0.5% | 1/10W | |
| R217 -218 | RCP-AN1K | FXD | 1KΩ | ±0.5% | 1/10W | |
| R219 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R220 | RCP-AN1K | FXD | 1KΩ | ±0.5% | 1/10W | |
| R221 | RCP-AN6R8K | FXD | 6.8KΩ | ±0.5% | 1/10W | |
| R222 | RCP-AN1K | FXD | 1KΩ | ±0.5% | 1/10W | |
| R223 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R224 | RCP-AN2R7K | FXD | 2.7KΩ | ±0.5% | 1/10W | |
| R225 | RCP-AN1R5K | FXD | 1.5KΩ | ±0.5% | 1/10W | |
| R226 | RCP-AN33 | FXD | 33Ω | ±0.5% | 1/10W | |
| R227 -228 | RCPAN2R2K | FXD | 2.2KΩ | ±0.5% | 1/10W | |
| R229 | RCP-AN10K | FXD | 10KΩ | ±0.5% | 1/10W | |
| R230 | RCP-AN1R2K | FXD | 1.2KΩ | ±0.5% | 1/10W | |
| R231 | RCP-AN510 | FXD | 510Ω | ±0.5% | 1/10W | |
| R232 | RCPAN8R2K | FXD | 8.2KΩ | ±0.5% | 1/10W | |
| R233 | RCP-AN56 | FXD | 56Ω | ±0.5% | 1/10W | |
| R234 -235 | RCP-AN33 | FXD | 33Ω | ±0.5% | 1/10W | |
| R236 | RCP-AN560 | FXD | 560Ω | ±0.5% | 1/10W | |
| R237 | RCP-AN270 | FXD | 270Ω | ±0.5% | 1/10W | |

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SYNTHESIZER BLOCK
BLS-017044 (16 of 25)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R239 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R240 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R241 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R242 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R243 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R244 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R245 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R246 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R247 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R248 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R249 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R250 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R251 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R252 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R253 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R257 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R258 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R259 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R260 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R261 | RCP-AN390 | FXD | 390 Ω | $\pm 0.5\%$ | 1/10W | |
| R262 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R263 | RCP-AN62 | FXD | 62 Ω | $\pm 0.5\%$ | 1/10W | |
| R264 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R265 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R266 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R267 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R268 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R269 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R270 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R271 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R272 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R273 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R274 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R276 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R277 -280 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R301 -302 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R307 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R309 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R310 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R311 -312 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |

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SYNTHESIZER BLOCK
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R313 | RCP-AN180 | FXD | 180 Ω | $\pm 0.5\%$ | 1/10W | |
| R314 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R315 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R316 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R319 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R323 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R324 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R325 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R326 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R331 -334 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R335 | RCP-AN11K | FXD | 11K Ω | $\pm 0.5\%$ | 1/10W | |
| R336 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R337 | RCP-AN11K | FXD | 11K Ω | $\pm 0.5\%$ | 1/10W | |
| R338 -339 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R340 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R342 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R343 | RCP-AN39K | FXD | 39K Ω | $\pm 0.5\%$ | 1/10W | |
| R344 -345 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R346 | RCP-AN56K | FXD | 56K Ω | $\pm 0.5\%$ | 1/10W | |
| R347 | RCP-AN11K | FXD | 11K Ω | $\pm 0.5\%$ | 1/10W | |
| R442 | RCP-AN15K | FXD | 15K Ω | $\pm 0.5\%$ | 1/10W | |
| R444 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R445 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R446 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R447 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R448 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R449 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R450 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R451 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R452 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |
| R453 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R454 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R455 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R456 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R457 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R458 | RCP-AJ3R3 | FXD | 3.3 Ω | $\pm 10\%$ | 1/10W | |
| R459 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R460 | RCP-AN18 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |
| R461 | RCP-AN330 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R462 | RCP-AN82 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |

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BLS-017044 (18 of 25)

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R463 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R464 | RCP-AN82 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |
| R465 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R466 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R467 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R469 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R470 | RCP-AN82 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |
| R471 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R472 | RCP-AN82 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |
| R473 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R474 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R475 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R476 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R478 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R479 -480 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R481 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R482 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R483 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R485 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R486 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R487 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R488 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R489 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R490 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R491 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R492 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R493 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R494 | RCP-AN51 | FXD | 51 Ω | $\pm 0.5\%$ | 1/10W | |
| R495 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R496 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R497 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R500 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R501 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R502 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R503 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R504 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R505 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R506 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R507 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R508 | RCP-AN18 | FXD | 18 Ω | $\pm 0.5\%$ | 1/10W | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------------------------------------|---------------|-------------|-------|------|
| R509 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R510 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R511 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R512 -513 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R514 -515 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R516 -517 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R518 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R519 -520 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R521 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R522 -523 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R524 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R525 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R526 -527 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R528 | RCP-AN27K | FXD | 27K Ω | $\pm 0.5\%$ | 1/10W | |
| R529 | RVR-DF10K | VAR | 10K Ω | $\pm 20\%$ | 1/2W | |
| R530 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R531 | RCP-AN33K | FXD | 33K Ω | $\pm 0.5\%$ | 1/10W | |
| R533 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R534 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R535 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R537 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R538 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R539 -541 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R542 | RCP-AN12K | FXD | 12K Ω | $\pm 0.5\%$ | 1/10W | |
| R543 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R544 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R545 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R546 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R547 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R548 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R549 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R550 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R551 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R552 | RCP-AN15 | FXD | 15 Ω | $\pm 0.5\%$ | 1/10W | |
| R553 | RCP-AN470 | FXD | 470 Ω | $\pm 0.5\%$ | 1/10W | |
| R554 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R555 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R556 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R557 -560 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R561 -562 | RAY-AL820Q6 | RESISTOR ASSEMBLY 820 Ω \times 6 | | | | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------------------------------------|---------------|-------------|-------|------|
| R563 -574 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R575 -576 | RAY-AL180Q6 | RESISTOR ASSEMBLY 180 Ω \times 6 | | | | |
| R577 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R578 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R579 | RCP-AN390 | FXD | 390 Ω | $\pm 0.5\%$ | 1/10W | |
| R580 -581 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R582 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R583 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R584 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R585 | RCP-AN82 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |
| R586 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R587 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R588 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R589 | RVR-DF10K | VAR | 10K Ω | $\pm 20\%$ | 1/2W | |
| R590 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R591 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R592 -593 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R594 | RCP-AN68 | FXD | 68 Ω | $\pm 0.5\%$ | 1/10W | |
| R595 | RCP-AJ6R8 | FXD | 6.8 Ω | $\pm 10\%$ | 1/10W | |
| R600 -601 | RCP-AN1M | FXD | 1M Ω | $\pm 0.5\%$ | 1/10W | |
| R602 | RCP-AN180 | FXD | 180 Ω | $\pm 0.5\%$ | 1/10W | |
| R603 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R604 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R605 | RCP-AN180 | FXD | 180 Ω | $\pm 0.5\%$ | 1/10W | |
| R606 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R607 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R612 | RCP-AN820 | FXD | 820 Ω | $\pm 0.5\%$ | 1/10W | |
| R613 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R614 | RCP-AN180 | FXD | 180 Ω | $\pm 0.5\%$ | 1/10W | |
| R615 | RCP-AN22 | FXD | 22 Ω | $\pm 0.5\%$ | 1/10W | |
| R619 -622 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R624 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R630 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R631 | RCP-AN10K | FXD | 10K Ω | $\pm 0.5\%$ | 1/10W | |
| R632 | RCP-AN47K | FXD | 47K Ω | $\pm 0.5\%$ | 1/10W | |
| R633 -635 | RCP-AN10 | FXD | 10 Ω | $\pm 0.5\%$ | 1/10W | |
| R636 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R640 -641 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R642 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R643 | RCP-AN62 | FXD | 62 Ω | $\pm 0.5\%$ | 1/10W | |

R3265/3271
SYNTHESIZER BLOCK
BLS-017044 (21 of 25)

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|---------------|-------------|-------|------|
| R644 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R645 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R646 | RCP-AN22 | FXD | 22 Ω | $\pm 0.5\%$ | 1/10W | |
| R647 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R648 -650 | RCP-AN47K | FXD | 47K Ω | $\pm 0.5\%$ | 1/10W | |
| R651 | RCP-AN1K | FXD | 1K Ω | $\pm 0.5\%$ | 1/10W | |
| R652 -653 | RCP-AN56 | FXD | 56 Ω | $\pm 0.5\%$ | 1/10W | |
| R654 | RCP-AN1R2K | FXD | 1.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R655 -656 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R657 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R658 | RCP-AN39 | FXD | 39 Ω | $\pm 0.5\%$ | 1/10W | |
| R659 | RCP-AN150 | FXD | 150 Ω | $\pm 0.5\%$ | 1/10W | |
| R660 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R661 -662 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R663 | RCP-AN750 | FXD | 750 Ω | $\pm 0.5\%$ | 1/10W | |
| R664 | RCP-AN2R2K | FXD | 2.2K Ω | $\pm 0.5\%$ | 1/10W | |
| R665 | RCP-AN3R9K | FXD | 3.9K Ω | $\pm 0.5\%$ | 1/10W | |
| R666 | RCP-AN2K | FXD | 2K Ω | $\pm 0.5\%$ | 1/10W | |
| R667 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R668 | RCP-AN11K | FXD | 11K Ω | $\pm 0.5\%$ | 1/10W | |
| R669 | RVR-DF1K | VAR | 1K Ω | $\pm 20\%$ | 1/2W | |
| R671 | RVR-DF5K | VAR | 5K Ω | $\pm 20\%$ | 1/2W | |
| R672 | RCP-AN62 | FXD | 62 Ω | $\pm 0.5\%$ | 1/10W | |
| R673 | RCP-AN82 | FXD | 82 Ω | $\pm 0.5\%$ | 1/10W | |
| R674 -675 | RVR-DF1K | VAR | 1K Ω | $\pm 20\%$ | 1/2W | |
| R677 | RCP-AN4R7K | FXD | 4.7K Ω | $\pm 0.5\%$ | 1/10W | |
| R680 | RCP-AN47 | FXD | 47 Ω | $\pm 0.5\%$ | 1/10W | |
| R682 -684 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R685 | RCP-AN75 | FXD | 75 Ω | $\pm 0.5\%$ | 1/10W | |
| R686 | RCP-AN120 | FXD | 120 Ω | $\pm 0.5\%$ | 1/10W | |
| R687 | RCP-AN75 | FXD | 75 Ω | $\pm 0.5\%$ | 1/10W | |
| R688 | RCP-AN33 | FXD | 33 Ω | $\pm 0.5\%$ | 1/10W | |
| R689 | RCP-AN390 | FXD | 390 Ω | $\pm 0.5\%$ | 1/10W | |
| R690 | RCP-AN5R6K | FXD | 5.6K Ω | $\pm 0.5\%$ | 1/10W | |
| R691 | RCP-AN220 | FXD | 220 Ω | $\pm 0.5\%$ | 1/10W | |
| R692 | RCP-AN100 | FXD | 100 Ω | $\pm 0.5\%$ | 1/10W | |
| R700 -701 | RCP-AN330 | FXD | 330 Ω | $\pm 0.5\%$ | 1/10W | |
| R702 -705 | RCP-AN270 | FXD | 270 Ω | $\pm 0.5\%$ | 1/10W | |
| R706 | RCP-AN680 | FXD | 680 Ω | $\pm 0.5\%$ | 1/10W | |
| R707 | RCP-AN100K | FXD | 100K Ω | $\pm 0.5\%$ | 1/10W | |

**R3265/3271
SYNTHESIZER BLOCK
BLS-017044 (22 of 25)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|-----------|---------------------|-------------|-------|-------|-------|------|
| R708 | RCP-AN680 | FXD | 680Ω | ±0.5% | 1/10W | |
| R709 | RCP-AN220 | FXD | 220Ω | ±0.5% | 1/10W | |
| R710 | RCP-AN750 | FXD | 750Ω | ±0.5% | 1/10W | |
| R711 | RCP-AN470 | FXD | 470Ω | ±0.5% | 1/10W | |
| R712 | RCP-AN680 | FXD | 680Ω | ±0.5% | 1/10W | |
| R713 | RCP-AN100 | FXD | 100Ω | ±0.5% | 1/10W | |
| R714 | RCP-AJ3R3 | FXD | 3.3Ω | ±10% | 1/10W | |
| R715 | RCP-AN33 | FXD | 33Ω | ±0.5% | 1/10W | |
| R716 -717 | RCP-AN2R2K | FXD | 2.2KΩ | ±0.5% | 1/10W | |
| R718 | PCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R719 | PCP-AN39 | FXD | 39Ω | ±0.5% | 1/10W | |
| R720 | PCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R721 | PCP-AN1K | FXD | 1KΩ | ±0.5% | 1/10W | |
| R722 | PCP-AN10K | FXD | 10KΩ | ±0.5% | 1/10W | |
| R723 | PCP-AN33 | FXD | 33Ω | ±0.5% | 1/10W | |
| R724 | PCP-AN10 | FXD | 10Ω | ±0.5% | 1/10W | |
| R725 | PCP-AN39K | FXD | 39KΩ | ±0.5% | 1/10W | |
| R726 -727 | PCP-AN56K | FXD | 56KΩ | ±0.5% | 1/10W | |
| R728 | RVR-DF5K | VAR | 5KΩ | ±20% | 1/2W | |
| R729 -730 | PCP-AN3R9K | FXD | 3.9KΩ | ±0.5% | 1/10W | |
| R731 | PCP-AN470 | FXD | 470Ω | ±0.5% | 1/10W | |
| R732 | PCP-AN270 | FXD | 270Ω | ±0.5% | 1/10W | |
| R733 | PCP-AN15 | FXD | 15Ω | ±0.5% | 1/10W | |
| R734 | PCP-AN47 | FXD | 47Ω | ±0.5% | 1/10W | |
| R735 | PCP-AN560 | FXD | 560Ω | ±0.5% | 1/10W | |
| R736 | PCP-AN10 | FXD | 10Ω | ±0.5% | 1/10W | |
| R737 | PCP-AN820 | FXD | 820Ω | ±0.5% | 1/10W | |
| R738 -739 | PCP-AN10K | FXD | 10KΩ | ±0.5% | 1/10W | |
| R740 | PCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R741 | PCP-AN39 | FXD | 39Ω | ±0.5% | 1/10W | |
| R742 | PCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R747 | PCP-AN1R5K | FXD | 1.5KΩ | ±0.5% | 1/10W | |
| R748 -751 | PCP-AN15 | FXD | 15Ω | ±0.5% | 1/10W | |
| R754 | PCP-AN680 | FXD | 680Ω | ±0.5% | 1/10W | |
| R755 | PCP-AN150 | FXD | 150Ω | ±0.5% | 1/10W | |
| R756 | PCP-AN47 | FXD | 47Ω | ±0.5% | 1/10W | |
| R757 | PCP-AN7R5K | FXD | 7.5KΩ | ±0.5% | 1/10W | |
| R758 | PCP-AN39K | FXD | 39KΩ | ±0.5% | 1/10W | |
| R759 | PCP-AN91 | FXD | 91Ω | ±0.5% | 1/10W | |
| R760 | PCP-AN18K | FXD | 18KΩ | ±0.5% | 1/10W | |

**R3265/3271
SYNTHESIZER BLOCK
BLS-017044 (23 of 25)**

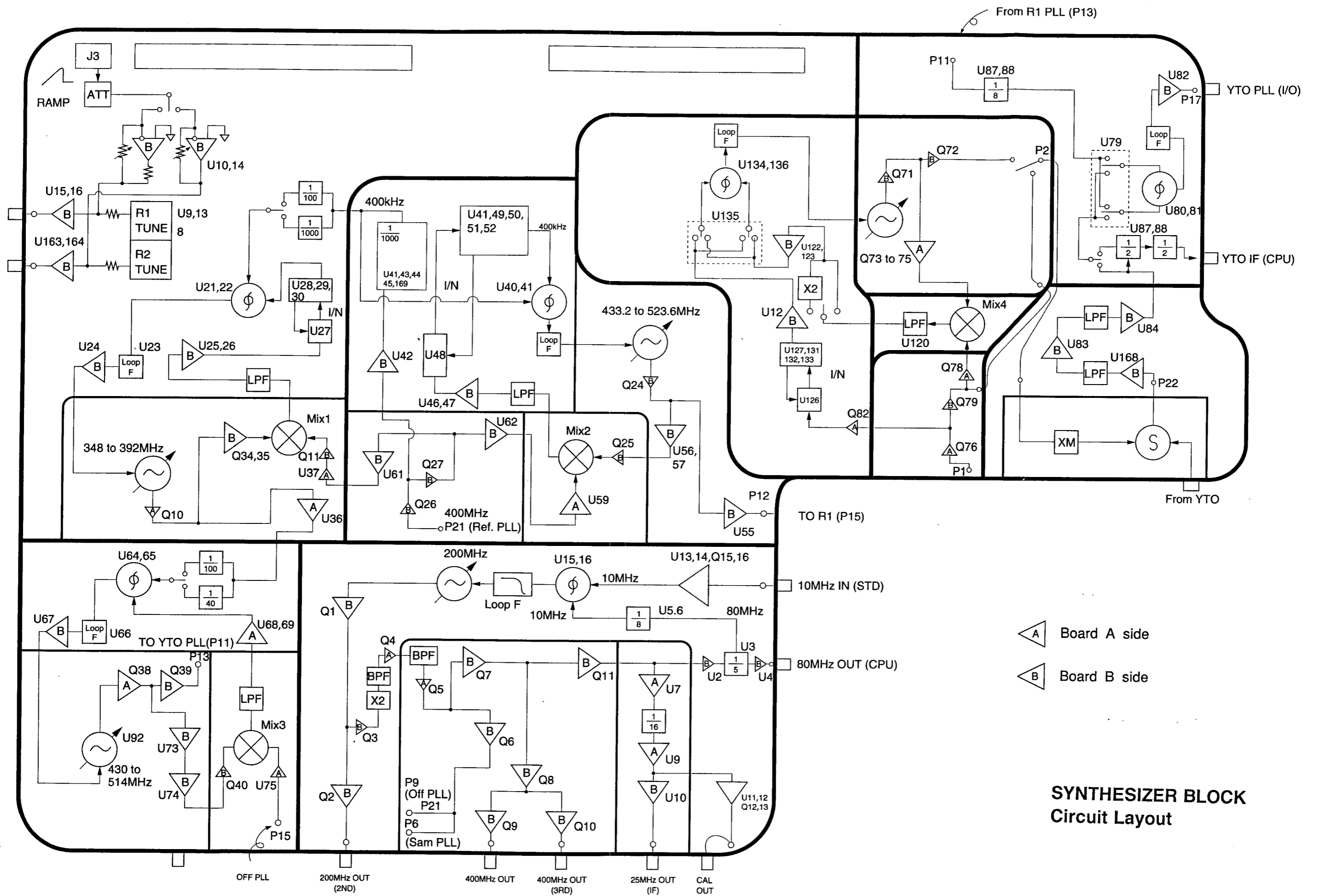
| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|----------------------------------------------------|------|
| R761 | RCP-AN820 | FXD 820 Ω \pm 0.5% 1/10W | |
| R762 | RCP-AN1K | FXD 1K Ω \pm 0.5% 1/10W | |
| R770 | RCP-AN100 | FXD 100 Ω \pm 0.5% 1/10W | |
| R780 -781 | RCB-AG470 | FXD 470 Ω \pm 5% 1/8W | |
| R782 | RCP-AN33 | FXD 33 Ω \pm 0.5% 1/10W | |
| R783 | RCB-AG270K | FXD 270K Ω \pm 5% 1/8W | |
| R784 | RCP-AN15 | FXD 15 Ω \pm 0.5% 1/10W | |
| R785 | RCP-AN22 | FXD 22 Ω \pm 0.5% 1/10W | |
| TP1 -2 | JTE-AH001JX01 | CHECK PIN | |
| U1 | SIM-74HC138S | 1-OF-8 DECODER/DEMULTIPLEXER | |
| U2 | SIM-74HC00S | QUAD 2-INPUT NAND GATE | |
| U3 -4 | SIM-74HC32S | QUAD 2-INPUT OR GATE | |
| U5 -7 | SIM-CXD1095 | I/O EXPANDER | |
| U8 | SIA-DA7226HP | LCCMOS QUAD 8BIT D/A CONVERTERS | |
| U9 -10 | SIA-DA7528S-4 | DUAL 8-BIT BUFFERED MULTIPLYING CMOS D/A CONVERTER | |
| U11 | SIA-DG201S-1 | QUAD ANALOG SWITCHES | |
| U12 -14 | SIA-TL072CPS | OPAMP DUAL LOW NOISE | |
| U15 -16 | SIA-OP07PS | ULTRA-LOW OFFSET VOLTAGE OP AMP | |
| U18 | SIM-74HC574S | QUAD 3-STATE NONINVERTING DFLIP-FLOP | |
| U21 | SIT-74LS112S | DUAL J-K NEGATIVE-EDGE-TRIGGERED FLIP-FLOP | |
| U22 | SIT-74LS00S | QUAD 2-INPUT NAND GATE | |
| U23 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U24 | SIA-398-2 | MONOLITHIC SAMPLE AND HOLD CIRCUIT | |
| U25 | SIA-1676 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U26 | SIA-1675 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U27 | SIC-12013 | TWO-MODULUS PRESCALER | |
| U28 | SIM-74HC00S | QUAD 2-INPUT NAND GATE | |
| U29 | SIM-145151S-1 | PARALLEL INPUT PLL FREQUENCY SYNTHESIZER | |
| U30 | SIT-74LS163S | SYNCHRONOUS 4-BIT COUNTERS | |
| U31 | SIT-74LS00S | QUAD 2-INPUT NAND GATE | |
| U34 -37 | SIA-1675 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U40 | SIT-74F112S | DUAL J-K NEGATIVE-EDGE-TRIGGERED FLIP-FLOP | |
| U41 | SIT-74F00S | QUAD 2-INPUT NAND GATE | |
| U42 | SIA-1675 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U43 | SIC-572 | 500MHz DUAL MODULUS PRESCALER | |
| U44 | SIA-1676 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U45 | SIT-74LS390S | DUAL DECADE COUNTERS | |
| U46 -47 | SIA-1675 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U48 | SIC-MC12009P | TWO-MODULUS PRESCALER | |
| U49 -51 | SIT-74F163S | SYNCHRONOUS 4-BIT COUNTERS | |

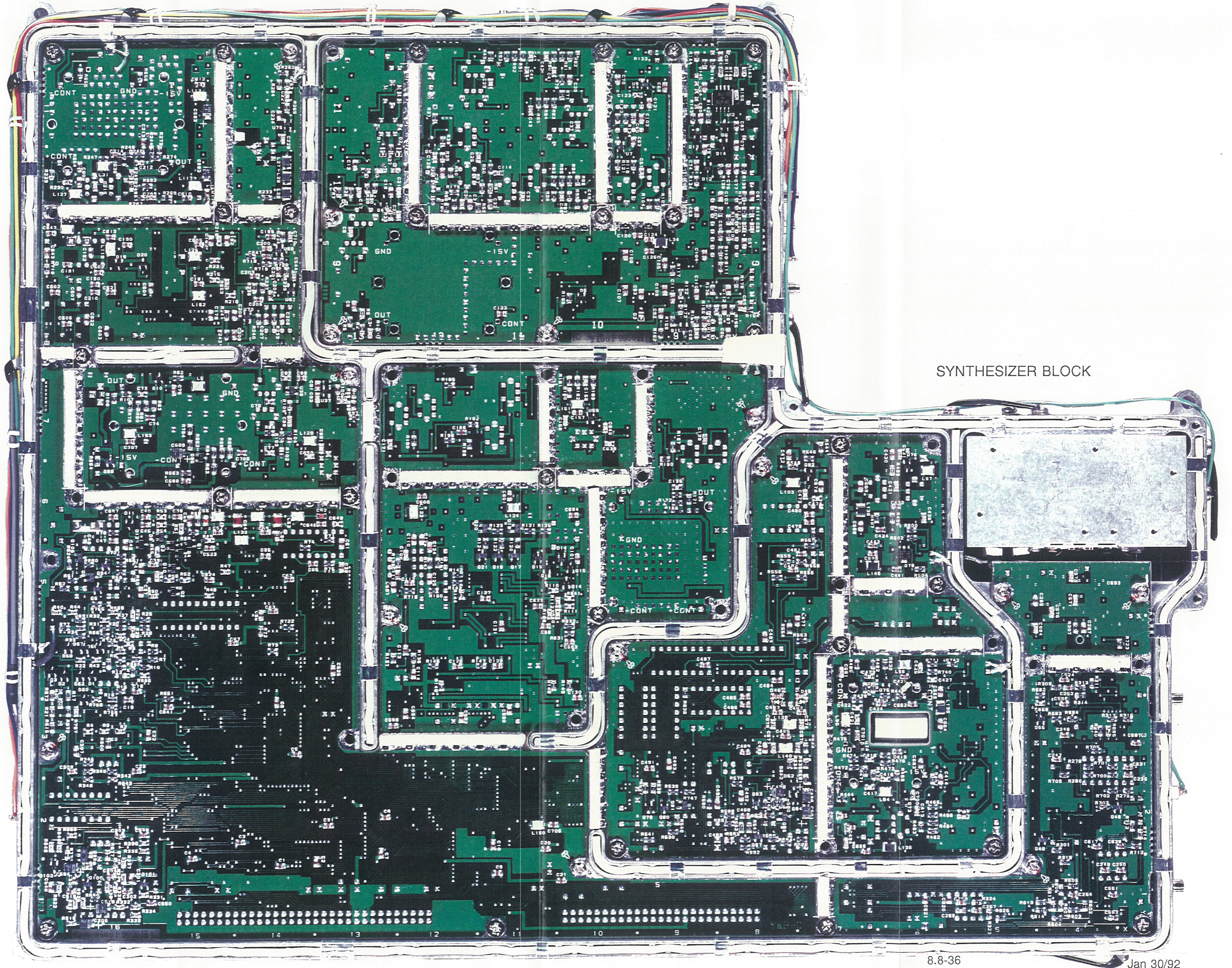
**R3265/3271
SYNTHESIZER BLOCK
BLS-017044 (24 of 25)**

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|---------------------------------------------------|------|
| U52 | SIT-74F20S | DUAL 4-INPUT POSITIVE-NAND GATES | |
| U55 -57 | SIA-1675 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U59 | SIA-1675 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U61 -62 | SIA-1675 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U63 | SIC-572 | 500MHz DUAL MODULUS PRESCALER | |
| U64 | SIT-74F112S | DUAL J-K NEGATIVE-EDGE-TRIGGERED FLIP-FLOP | |
| U65 | SIT-74F00S | QUAD 2-INPUT NAND GATE | |
| U66 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U67 | SIA-398-2 | MONOLITHIC SAMPLE AND HOLD CIRCUIT | |
| U68 | SIA-1675 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U69 -70 | SIA-1676 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U71 | SIM-74HC390S | DUAL DECADE COUNTERS | |
| U73 -75 | SIA-1675 | BIPOlar ANALOG INTEGRATED CIRCUIT(A) | |
| U78 | SIT-74LS00S | QUAD 2-INPUT NAND GATE | |
| U79 | SIC-10H117S-1 | DUAL 2-WIDE 2-3 INPUT "OR-AND/OR-AND-INVERT" GATE | |
| U80 | SIC-12040 | PHASE-FREQUENCY DETECTOR | |
| U81 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U82 | SIA-398-2 | MONOLITHIC SAMPLE AND HOLD CIRCUIT | |
| U83 | SIA-1676 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U84 | SIA-MAR6 | MONOLITHIC AMP | |
| U86 | SIC-10H131S-1 | DUAL D MASTER-SLAVE FLIP-FLOP | |
| U87 | SIC-565 | 1GHz PRESCALER | |
| U88 | SIC-10H131S-1 | DUAL D MASTER SLAVE FLIP-FLOP | |
| U90 | SHB-003200 | CUSTOM MADE (344-396MHz VCO) | |
| U91 -92 | SHB-003198 | CUSTOM MADE (422-524MHz VCO) | |
| U100 -102 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U103 | SIA-DA7542 | 12-BIT MULTIPLYING CMOS D/A CONVERTER | |
| U104 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U119 | SHB-003199 | CUSTOM MADE (387-413MHz VCO) | |
| U120 | DHB-001174 | CUSTOM MADE (30MHz L. P. F) | |
| U121 | SIA-DG201S-1 | QUAD ANALOG SWITCHES | |
| U122 -123 | SIA-1676 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U125 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U126 | SIC-MC12009P | TWO-MODULUS PRESCALER | |
| U127 | SIC-10H102S-1 | QUAD 2-INPUT NDR GATE | |
| U128 | SIA-1676 | BIPOlar ANALOG INTEGRATED CIRCUIT | |
| U129 -130 | SIM-74HC05S | HEX INVERTER WITH OPEN DRAIN OUTPUTS | |
| U131 -133 | SIC-10H136 | UNIVERSAL HEXADECIMAL COUNTER | |
| U134 | SIT-74S00S | QUAD 2-INPUT NAND GATE | |
| U135 | SIT-74S51S | AND-OR-INVERTER GATES | |

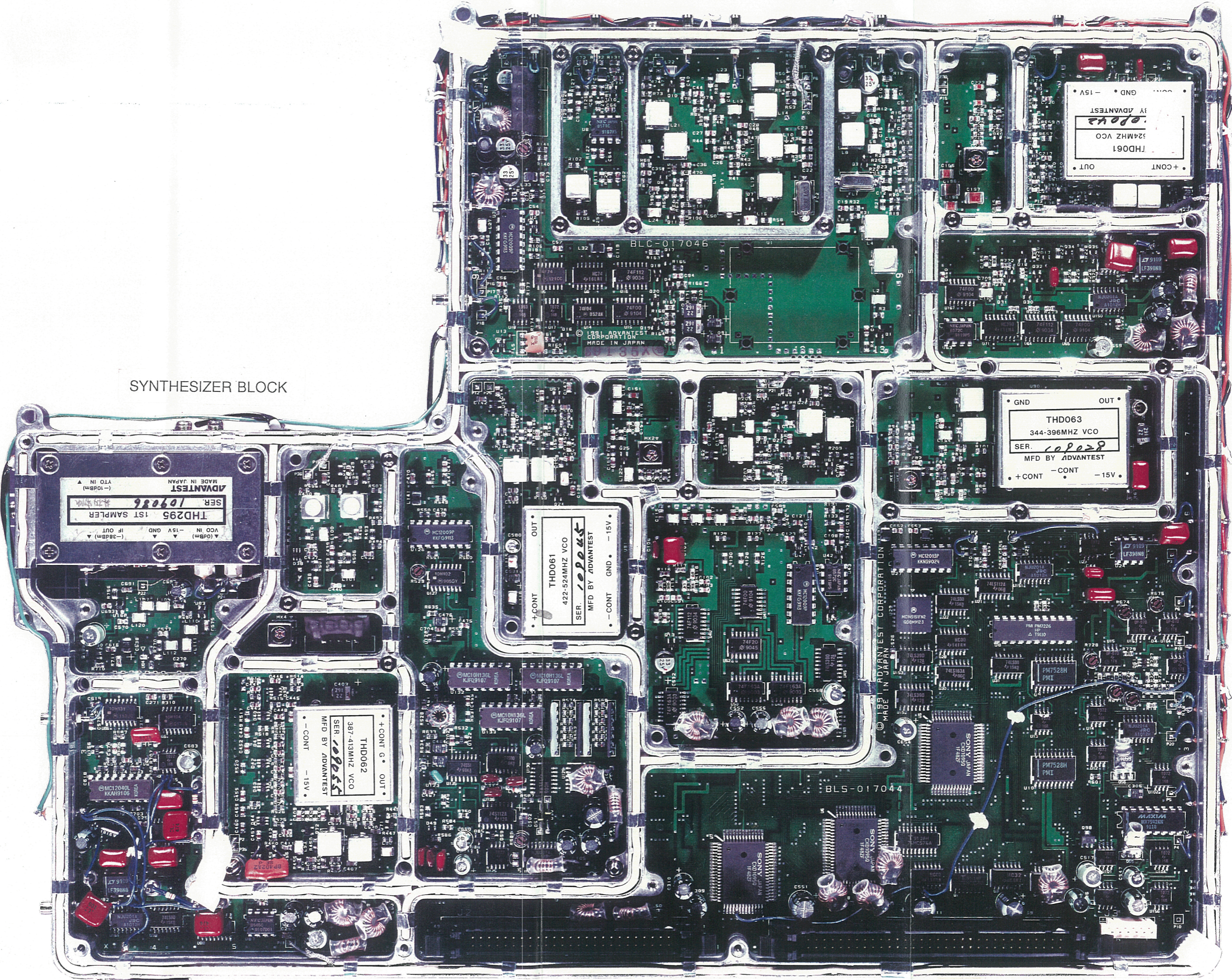
**R3265/3271
SYNTHESIZER BLOCK
BLS-017044 (25 of 25)**

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|--------------------------------------------|------|
| U136 | SIT-74S112S | DUAL J-K NEGATIVE-EDGE-TRIGGERED FLIP-FLOP | |
| U150 -151 | SIA-DG201S-1 | QUAD ANALOG SWITCHES | |
| U152 -153 | SIT-74LS390S | DUAL DECADE COUNTER | |
| U156 | SIA-TL072CPS | OP AMP DUAL LOW NOISE | |
| U161 | SIA-DG201S-1 | QUAD ANALOG SWITCHES | |
| U163 -164 | SIA-OP07PS | ULTRA-LOW OFFSET VOLTAGE OP AMP | |
| U165 | SIC-10H104S | QUAD 2-INPUT AND GATE | |
| U166 | SIA-1675 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U167 | SIT-74F00S | QUAD 2-INPUT NAND GATE | |
| U168 | SIA-1676 | BIPOLAR ANALOG INTEGRATED CIRCUIT | |
| U169 | SIT-74LS00S | QUAD 2-INPUT NAND GATE | |
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SYNTHESIZER BLOCK



SYNTHESIZER BLOCK

ADVANTEST
MADE IN JAPAN
SER. 109086
THD295 1ST SAMPLER
VCO IN (-10dBm) YTO IN
VCO OUT (-8dBm) IF OUT

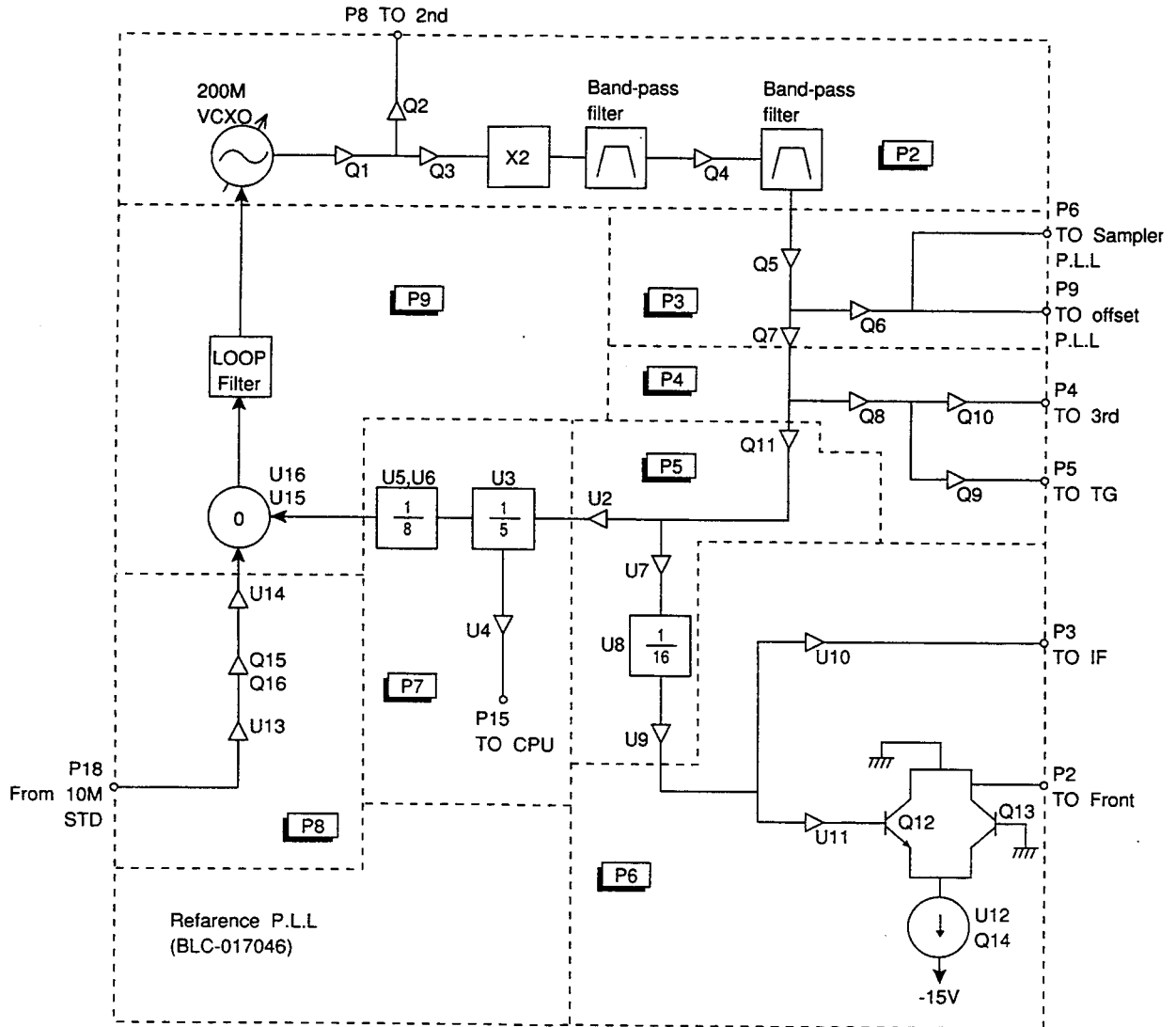
+CONT G. OUT
THD062
387-413MHZ VCO
SER. 109055
MFD BY ADVANTEST
-CONT -15V

+CONT OUT
THD061
422-524MHZ VCO
SER. 109025
MFD BY ADVANTEST
-CONT GND -15V

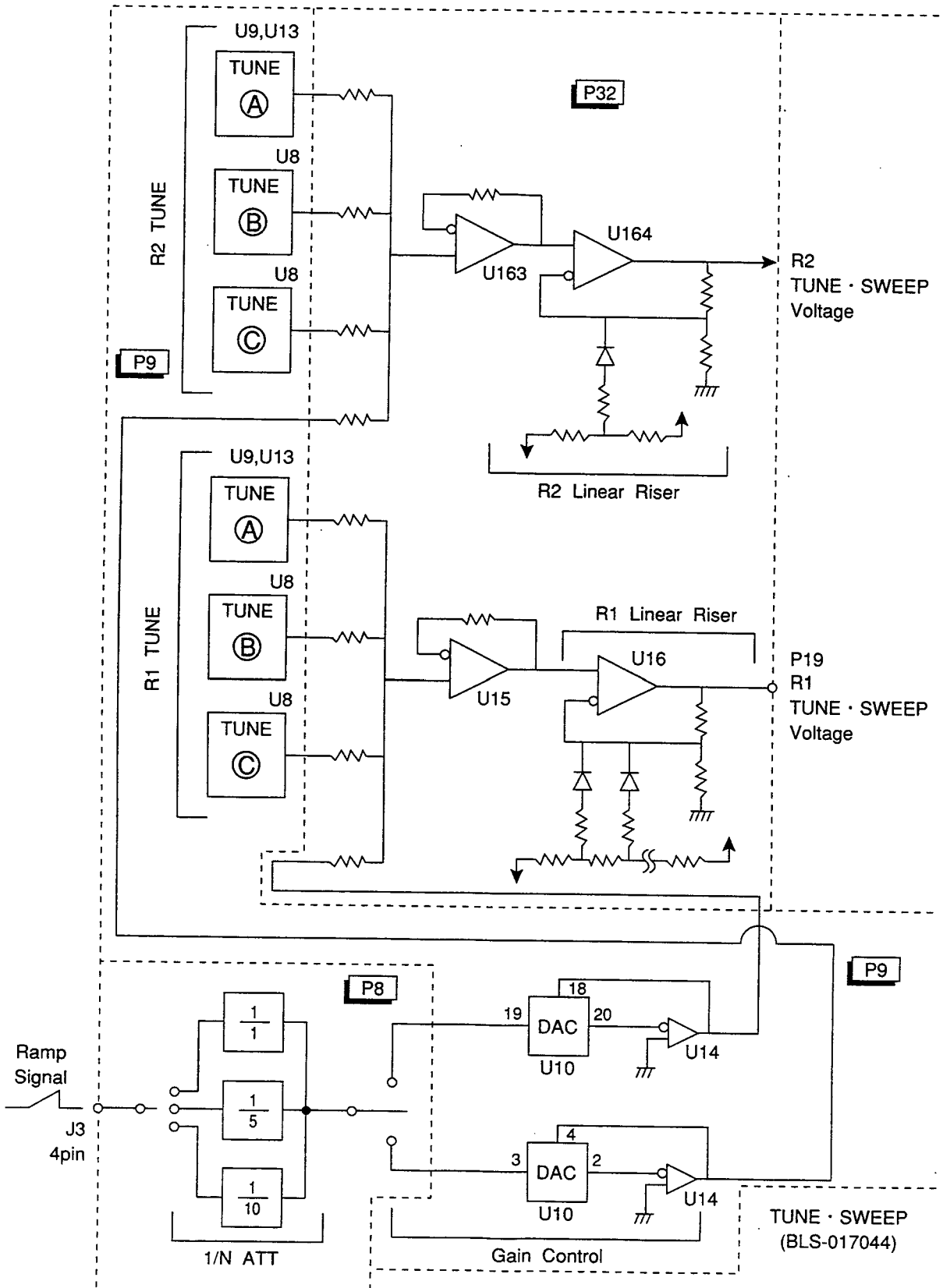
GND OUT
THD063
344-396MHZ VCO
SER. 109028
MFD BY ADVANTEST
+CONT -CONT -15V

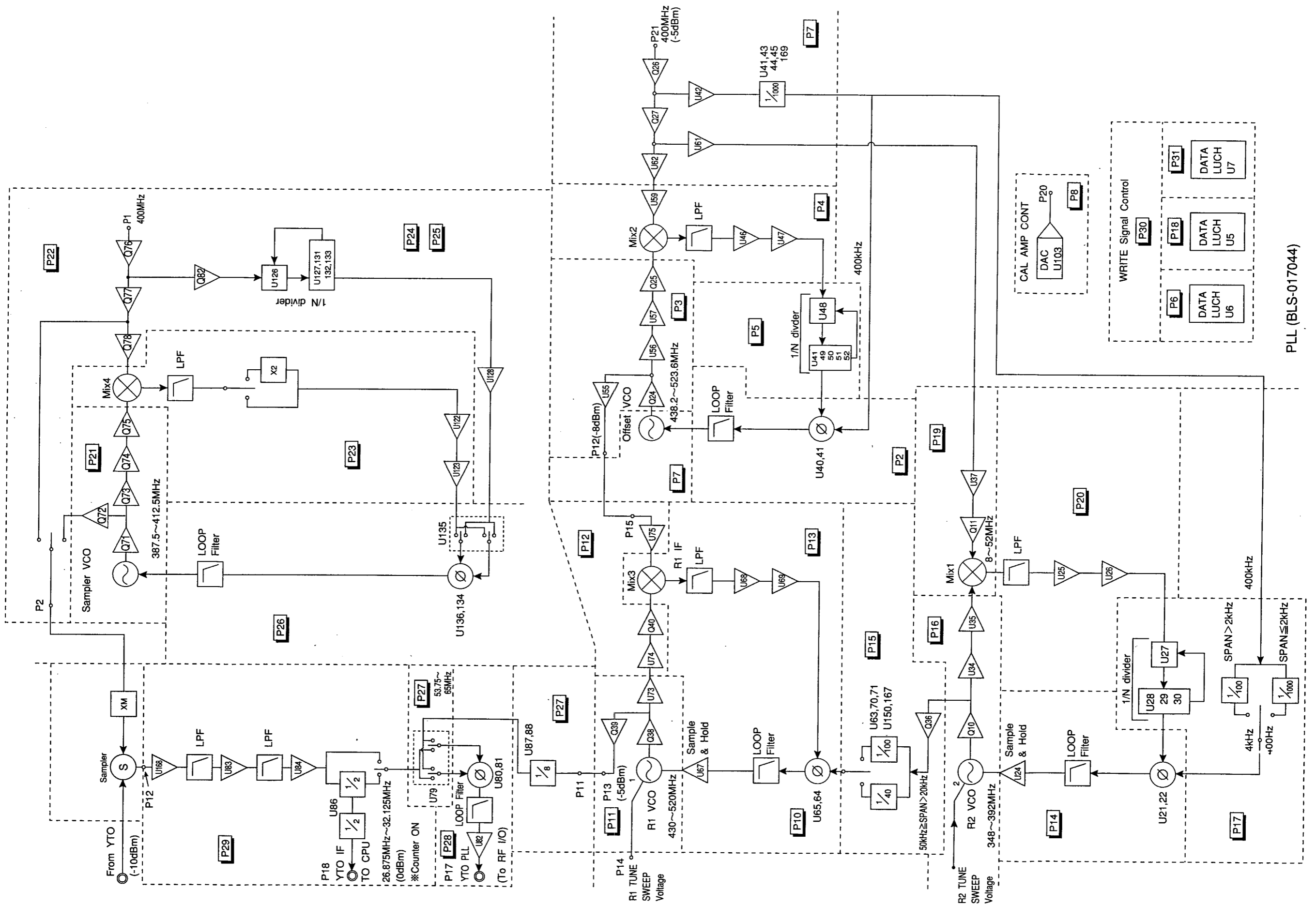
+CONT OUT
THD061
324MHZ VCO
SER. 109020
MFD BY ADVANTEST
GND -15V

Reference P.L.L (BLC-017046)



TUNE SWEEP (BLS-017044)

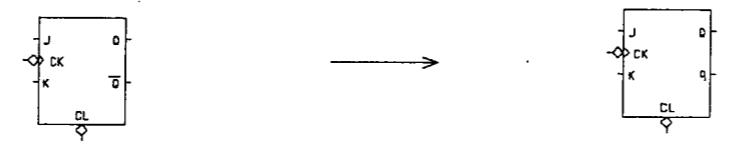


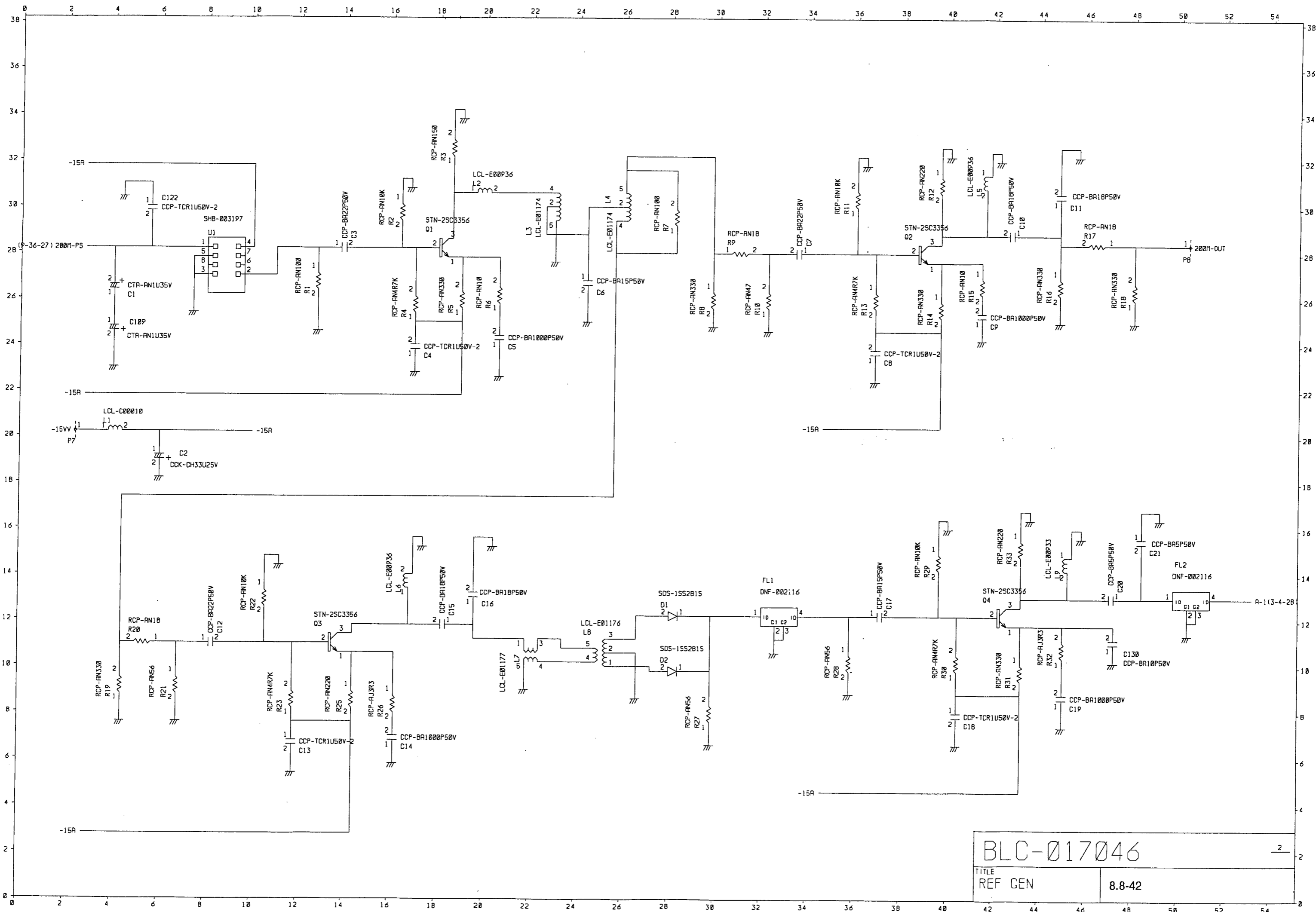


■ DIAGRAMS ILLUSTRATION

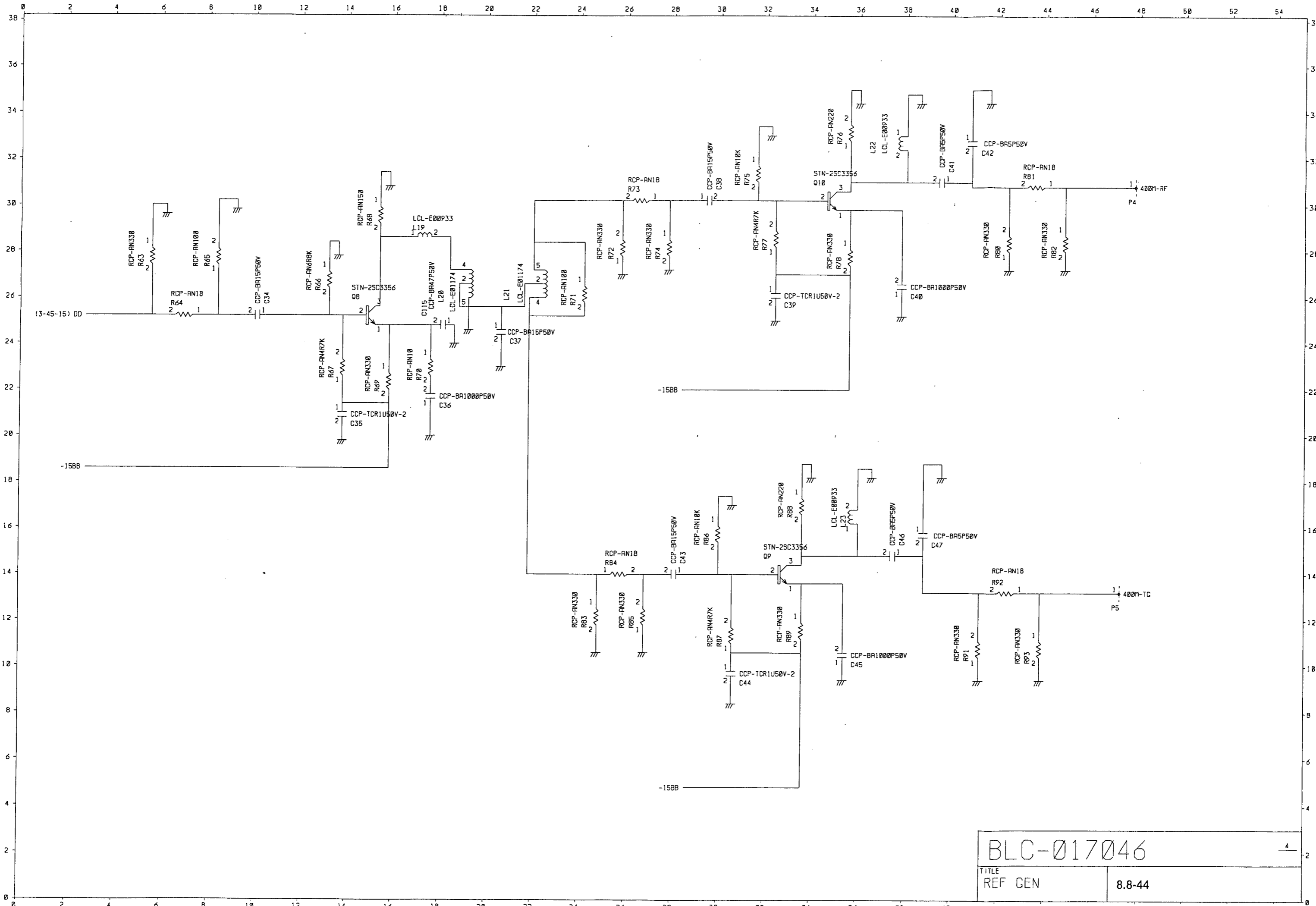
SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE
DISPLAYED BY SMALL LETTER)

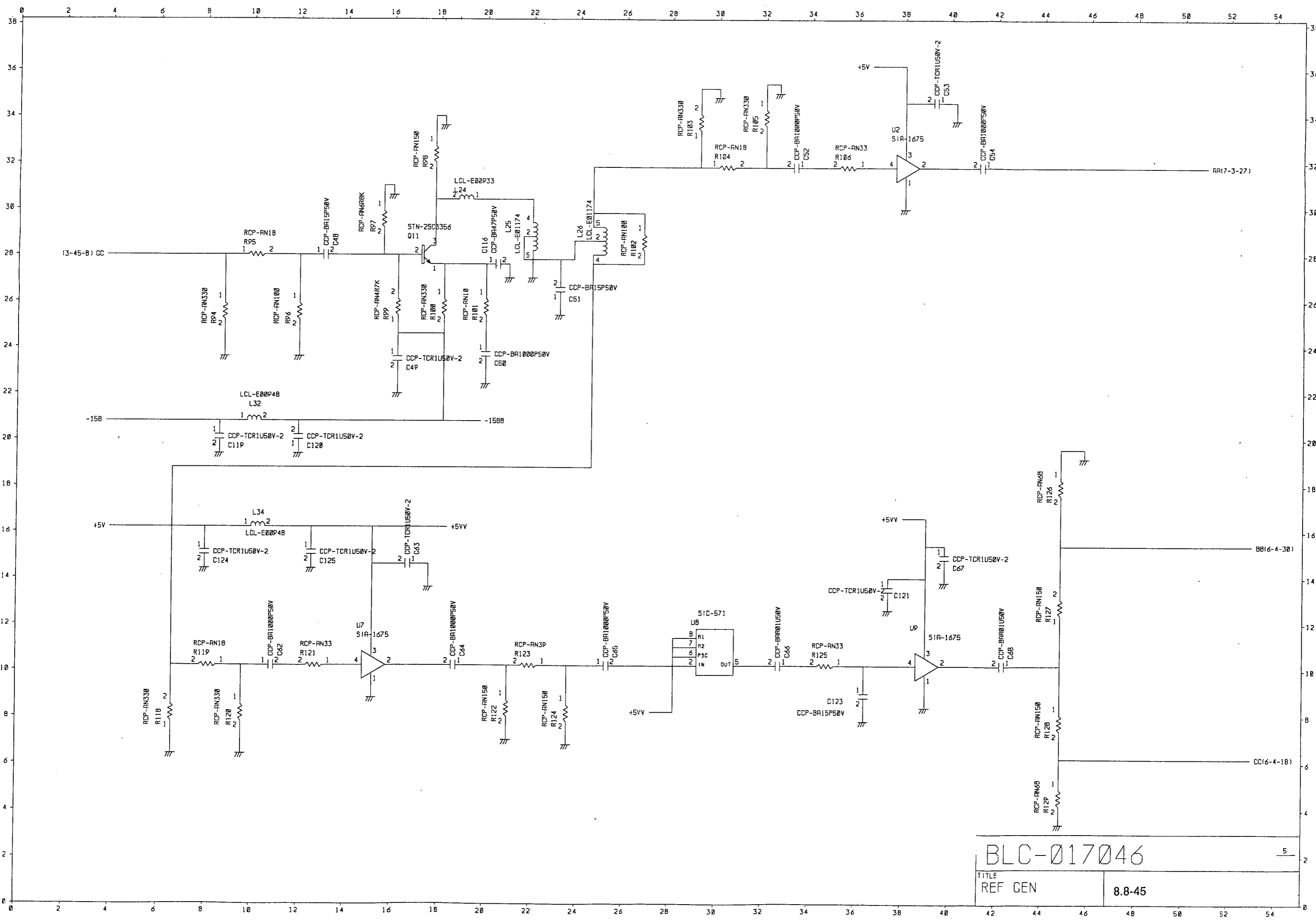




BLC-017046
 TITLE REF GEN
 8.8-42



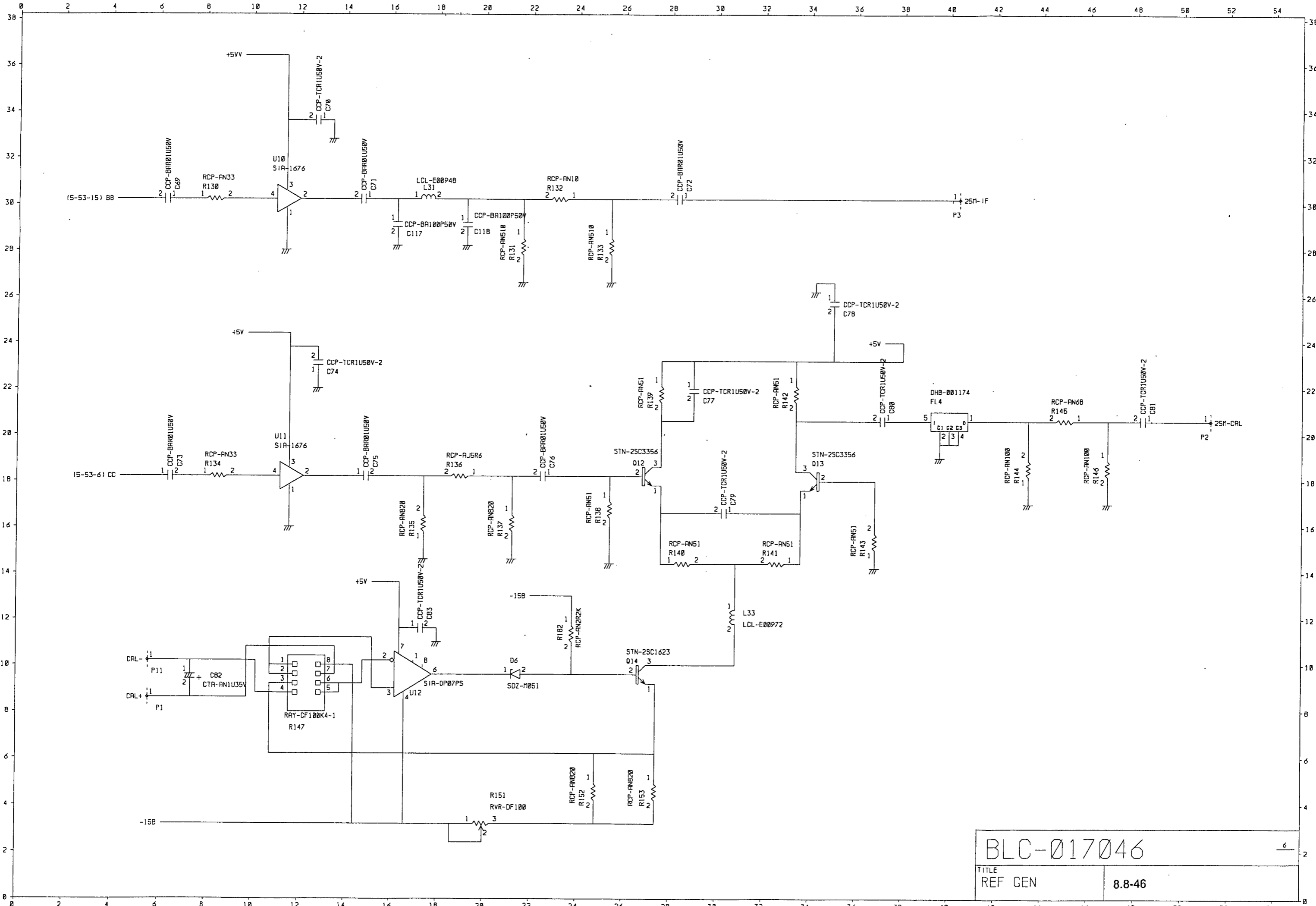
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| BLC-017046 | | 4 |
| TITLE | REF GEN | 8.8-44 |



5

BLC-017046

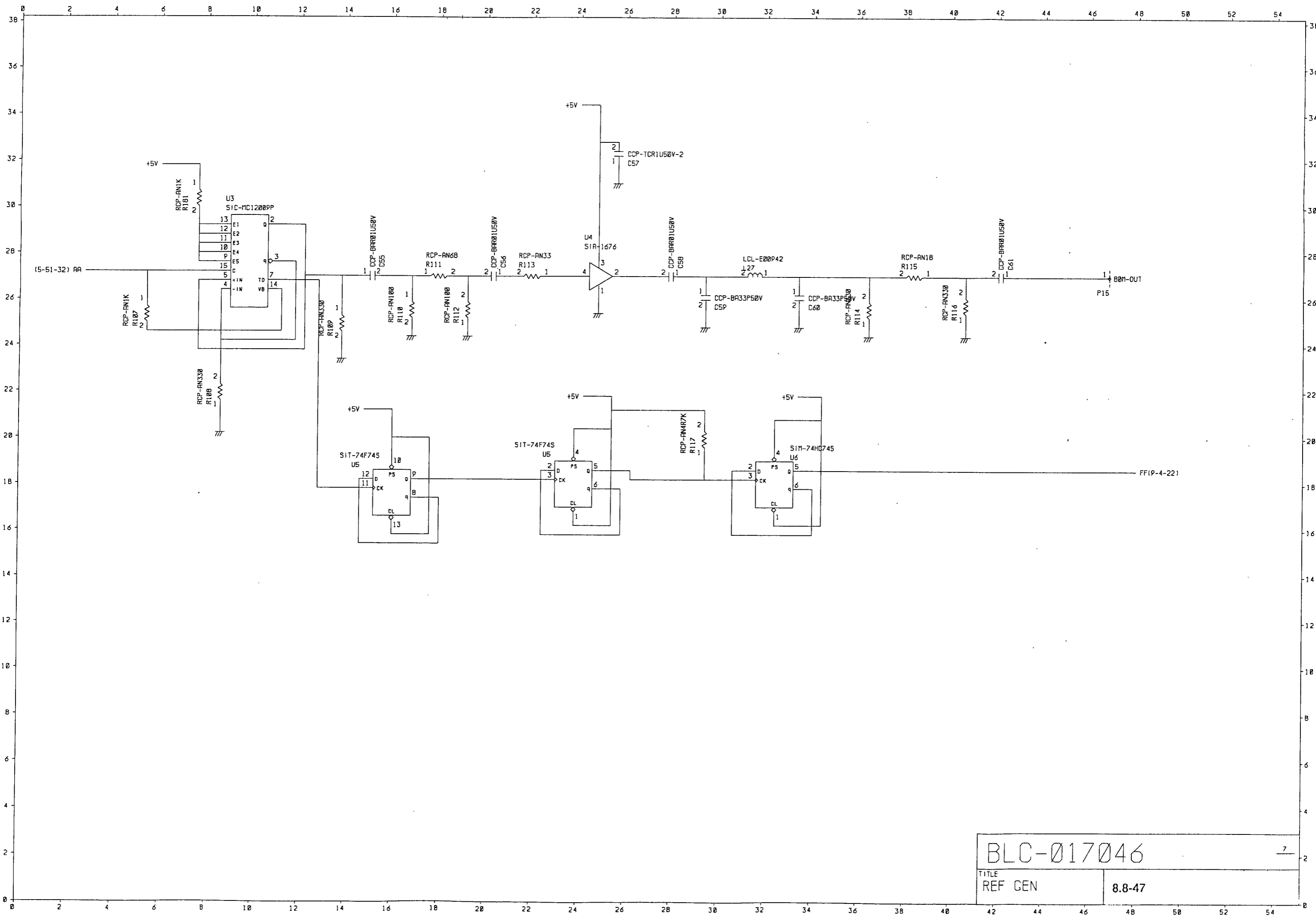
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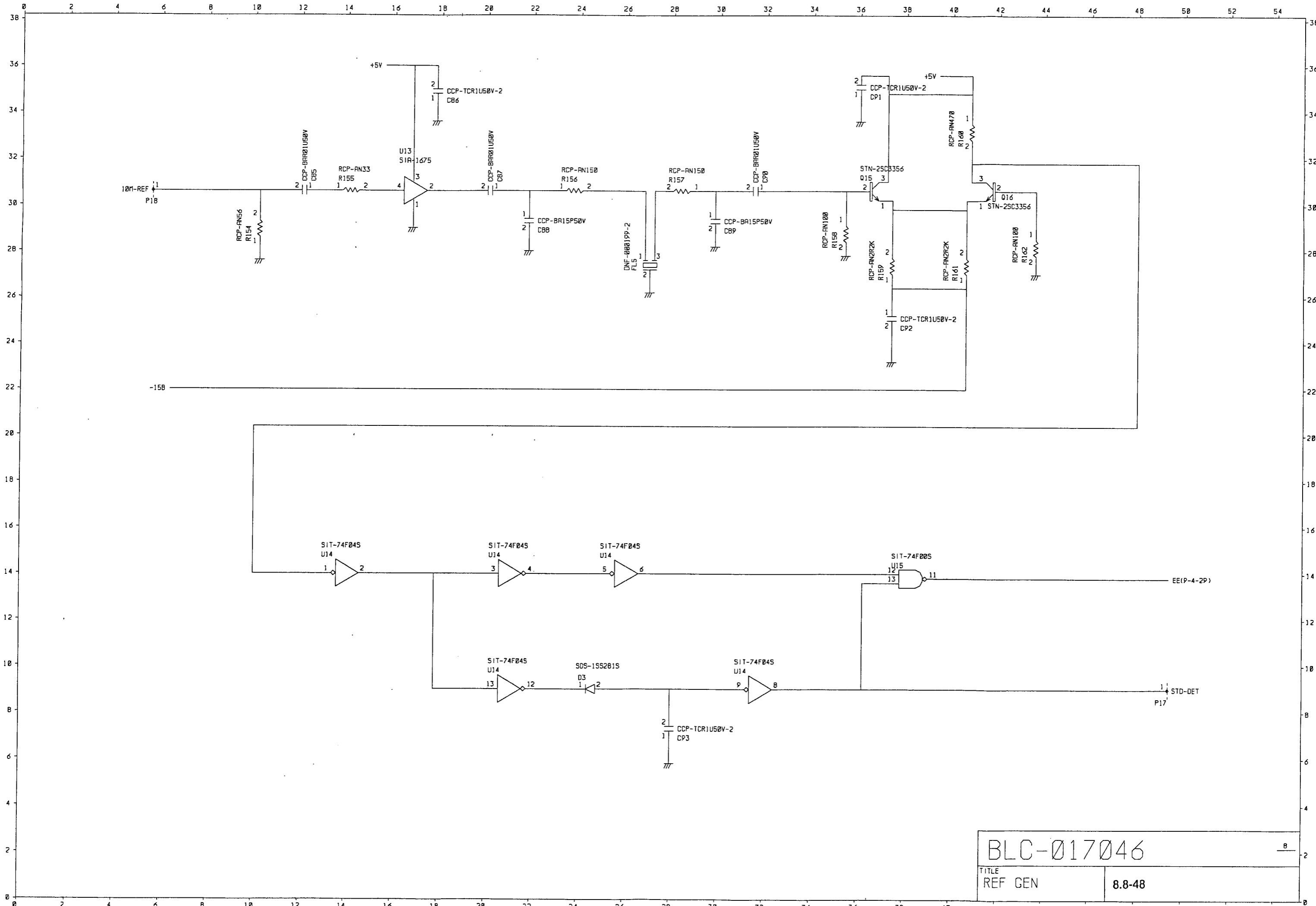
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BLC-017046

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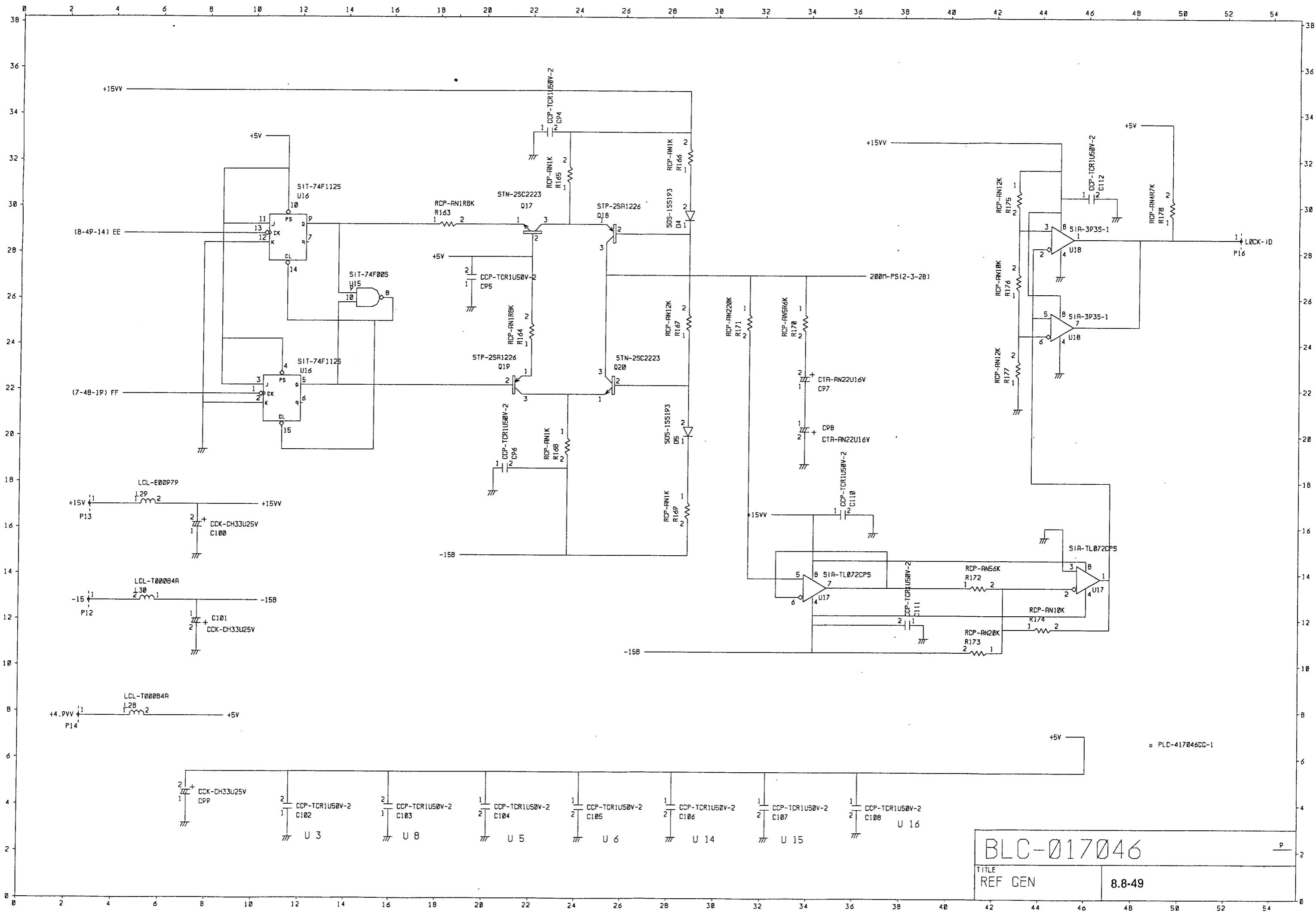


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| TITLE | REF GEN | 8.8-47 |

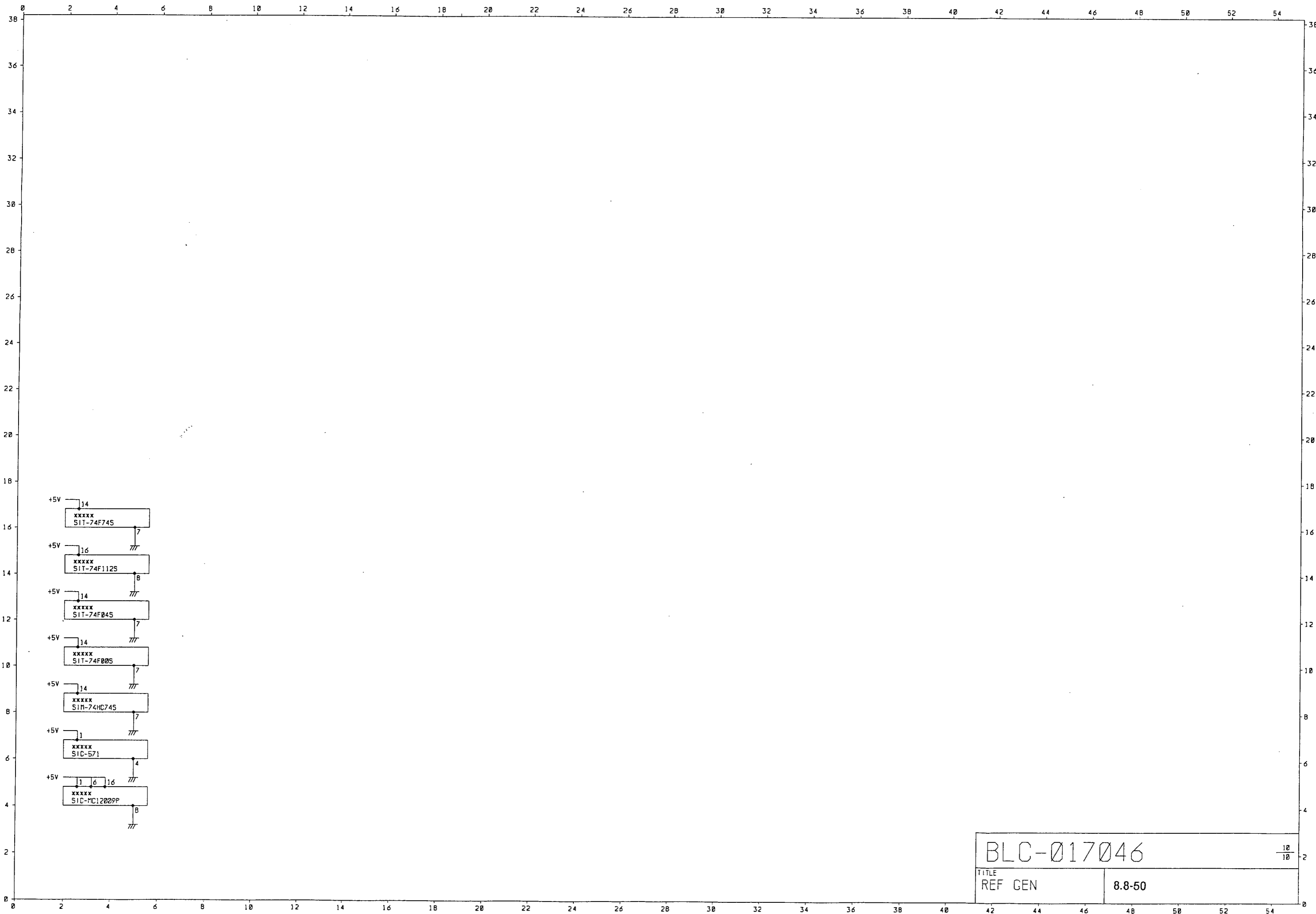


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| BLC-017046 | |
| TITLE REF GEN | 8.8-48 |



BLC-017046
 TITLE REF GEN 8.8-49



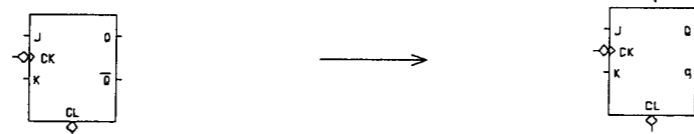
BLC-017046 10
10

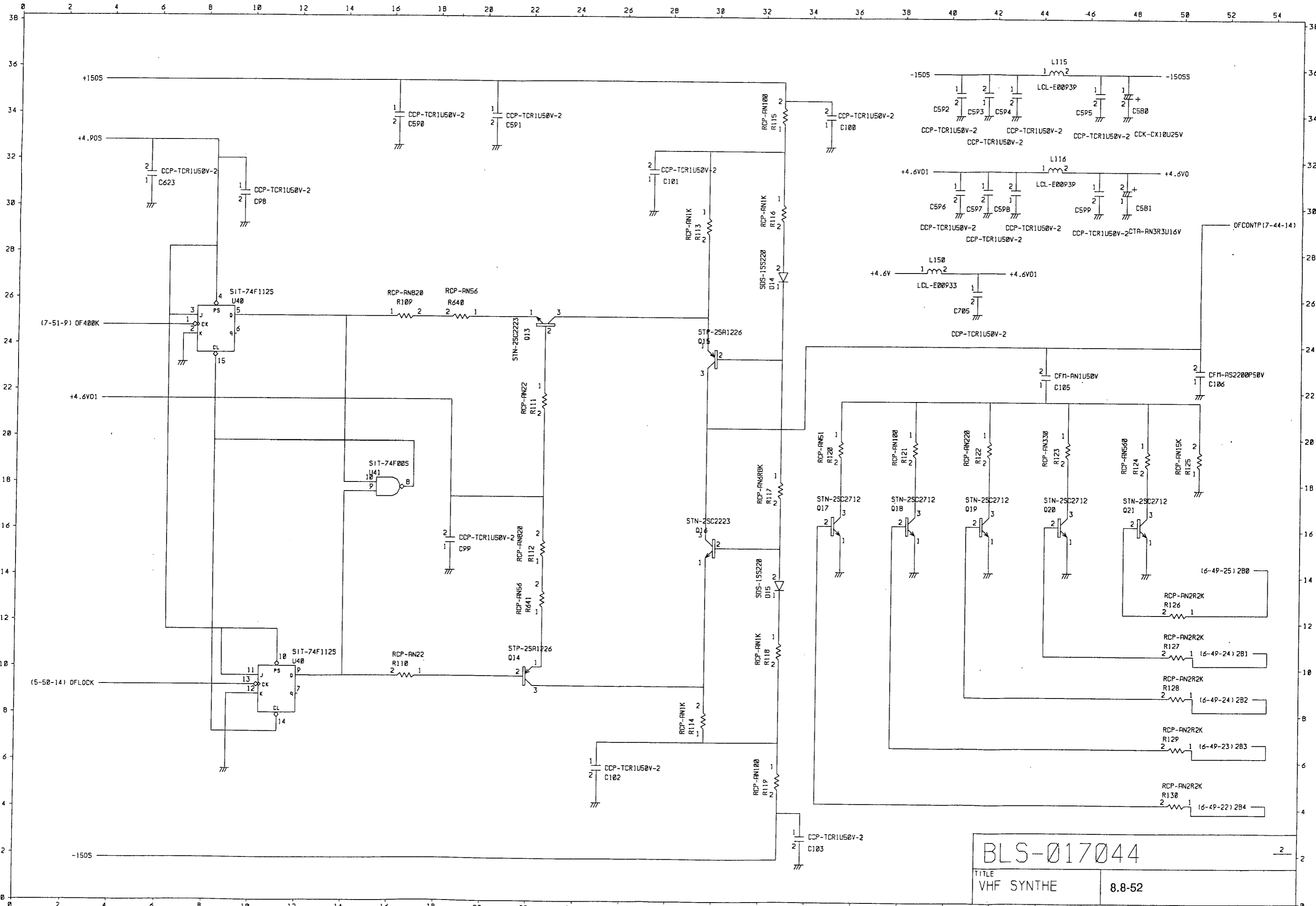
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|---------|--------|
| TITLE | 8.8-50 |
| REF GEN | |

■ DIAGRAMS ILLUSTRATION

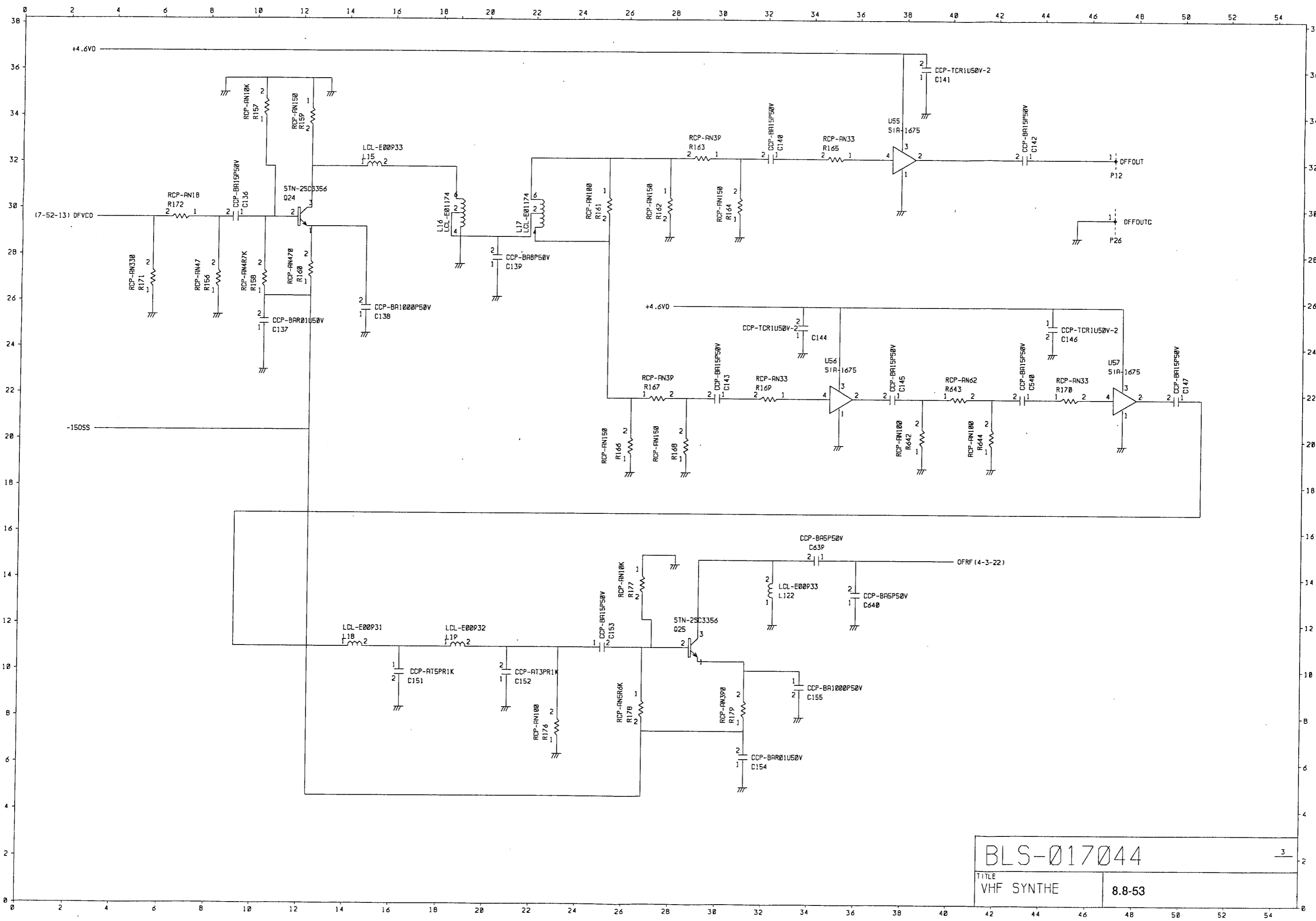
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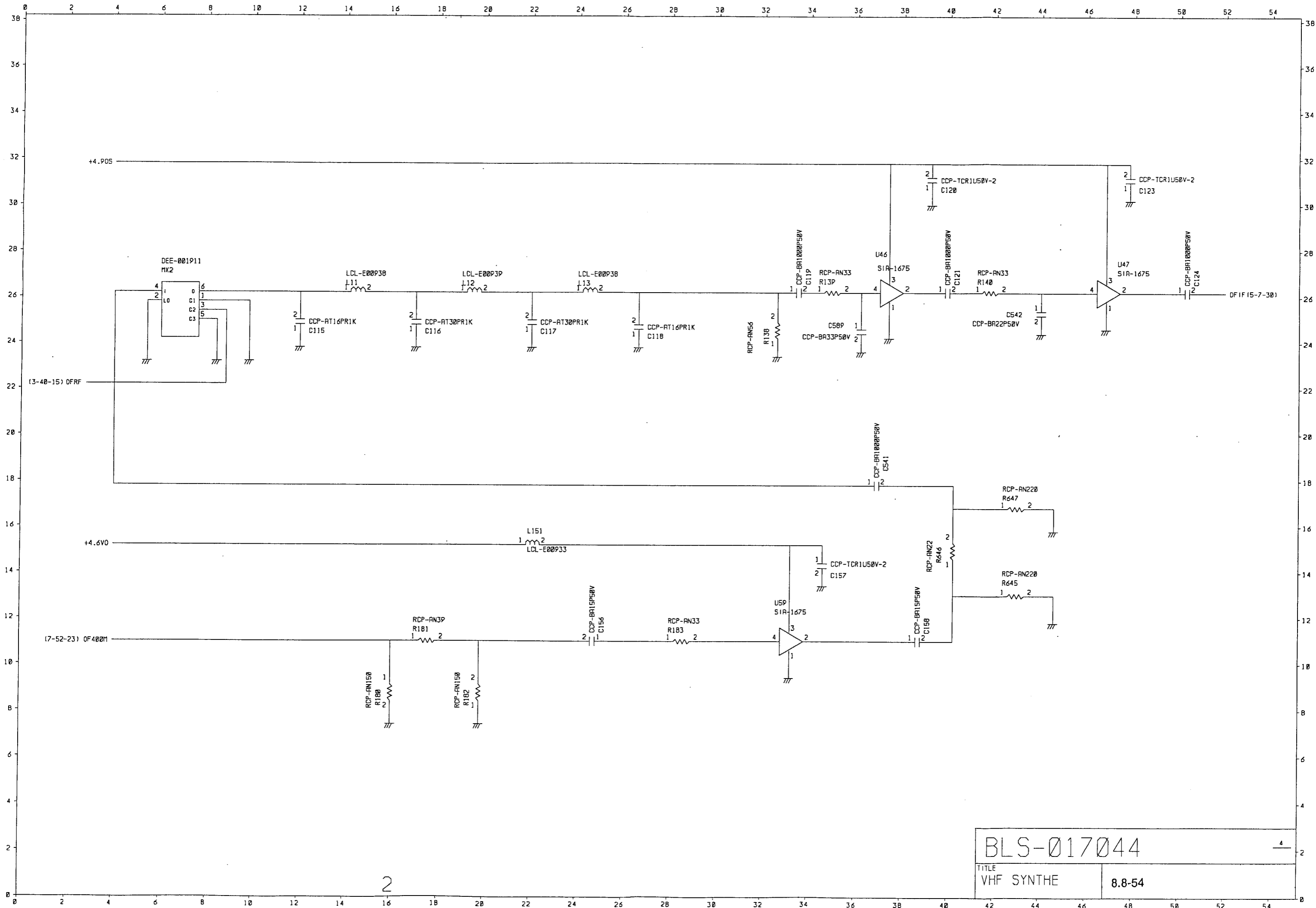
IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE
DISPLAYED BY SMALL LETTER)





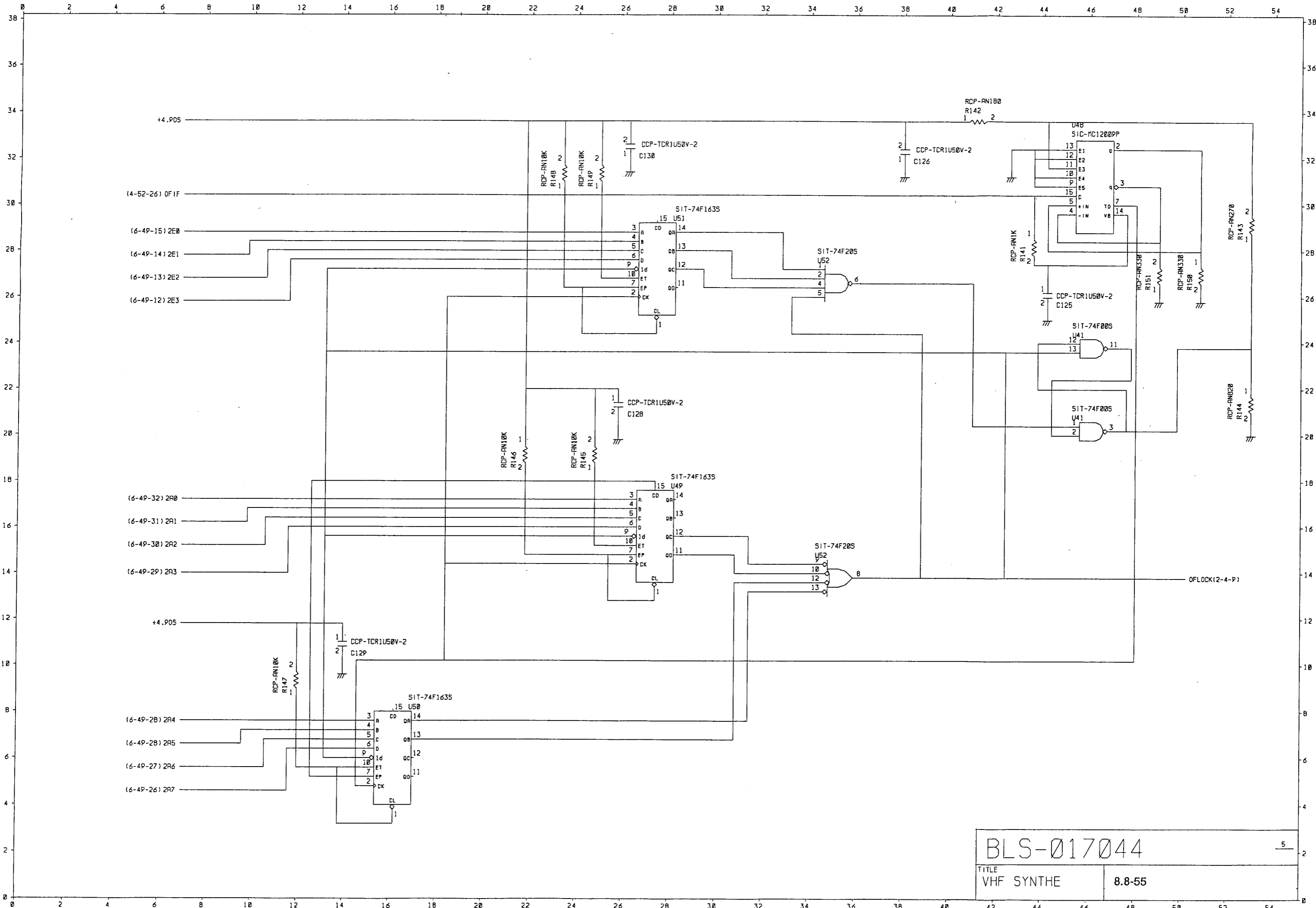
BLS-017044
TITLE
VHF SYNTH
8.8-52

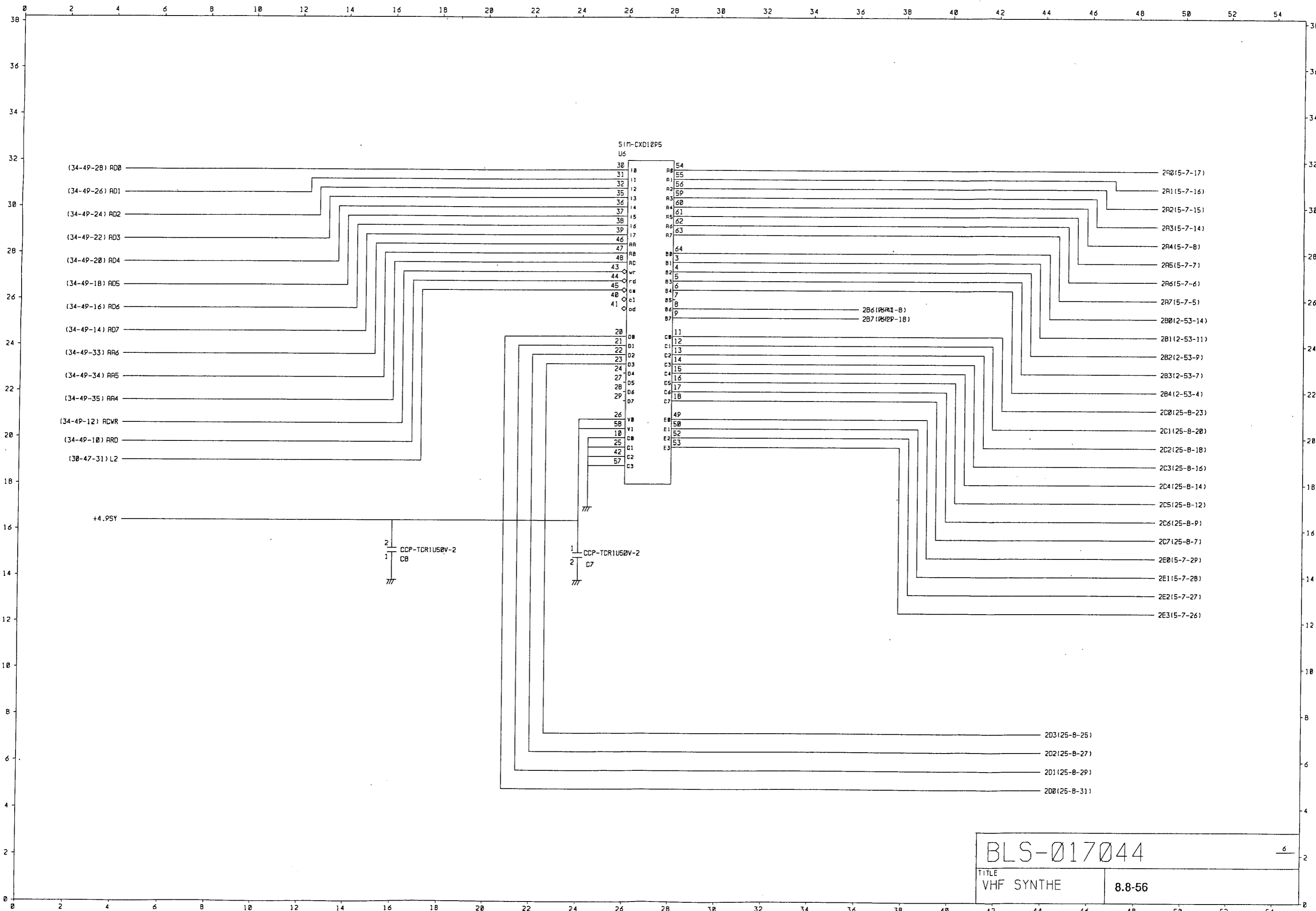




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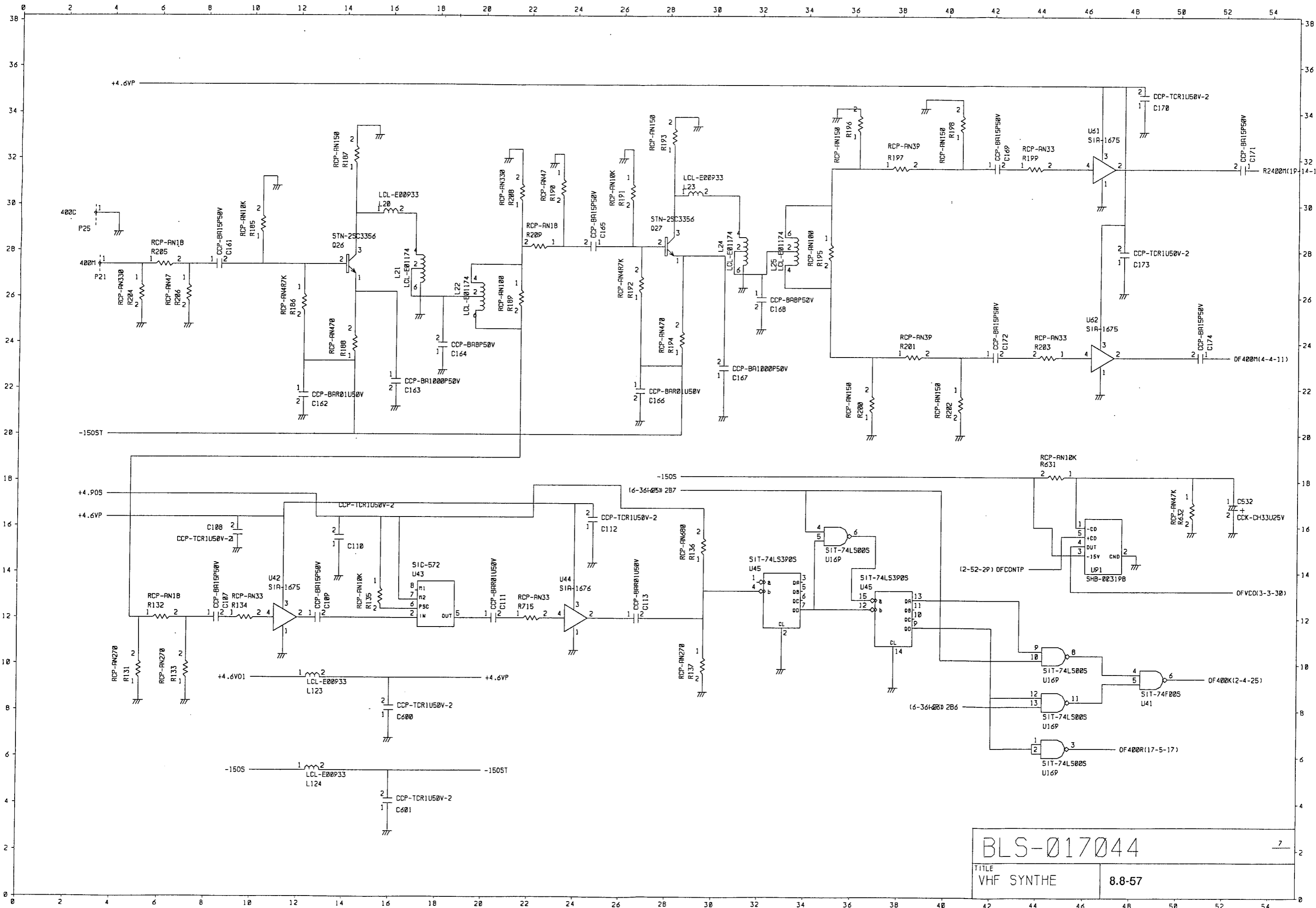
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| TITLE VHF SYNTHÉ | 8.8-54 |



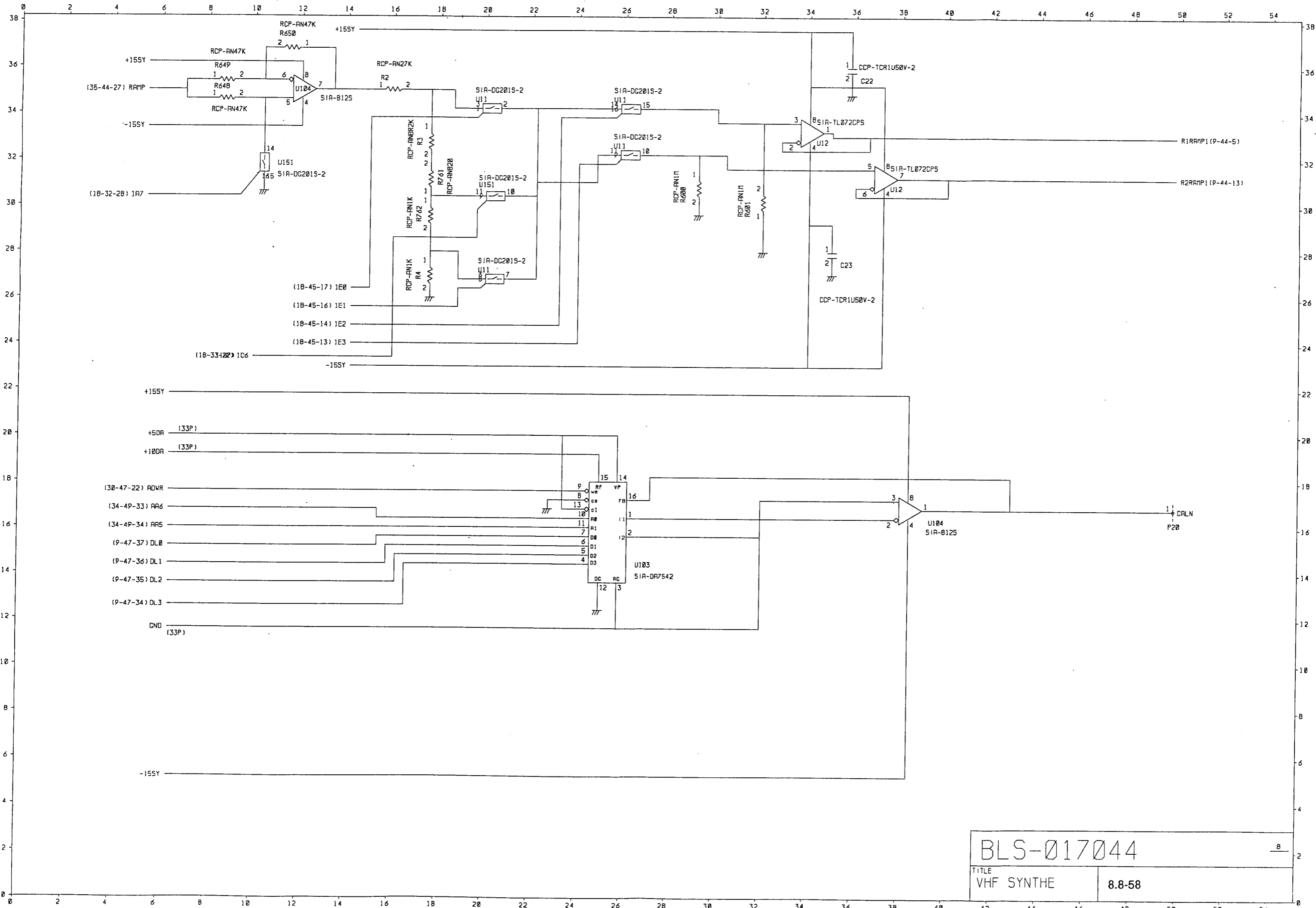


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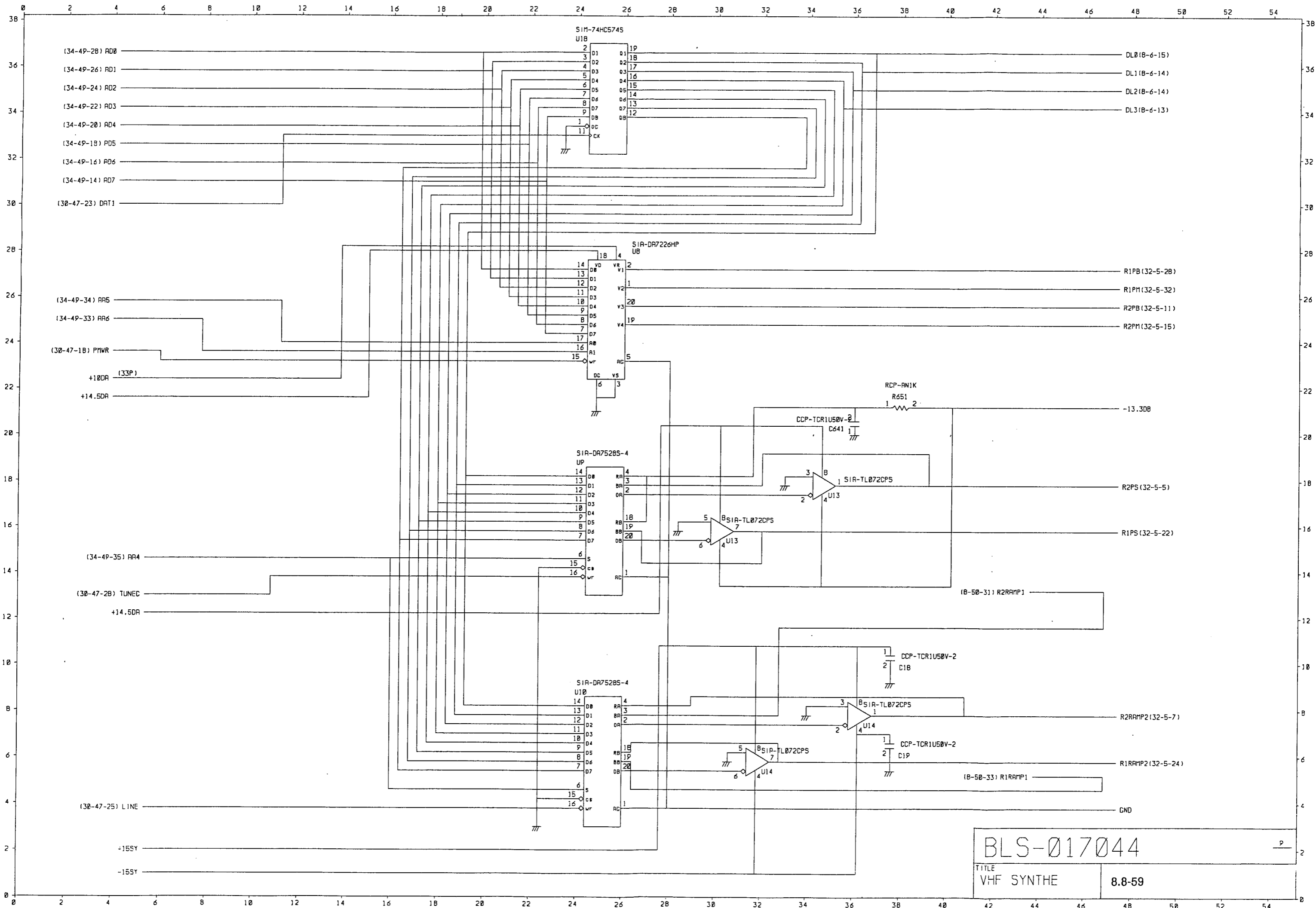


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| TITLE VHF SYNTHSE | | 8.8-57 |



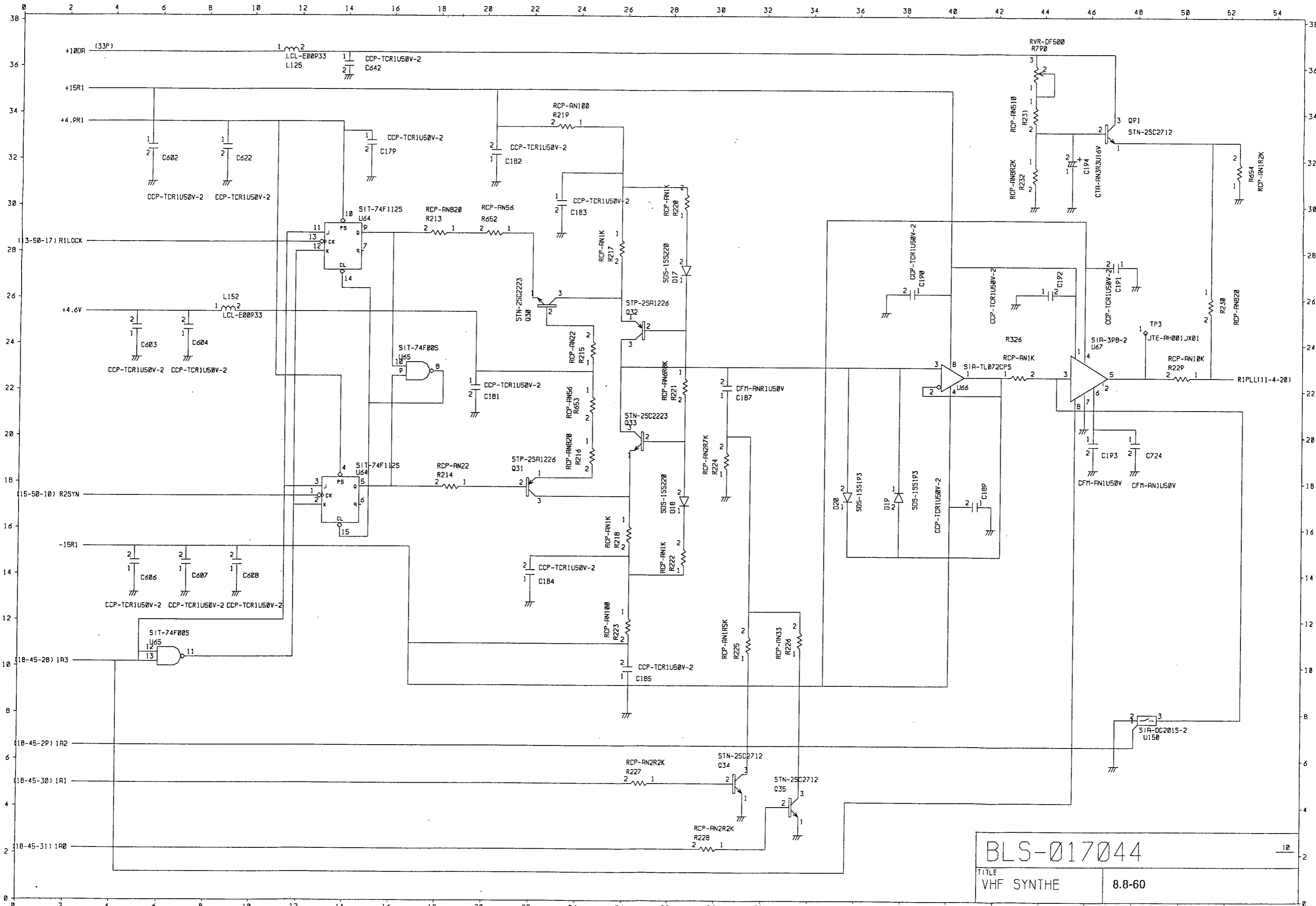
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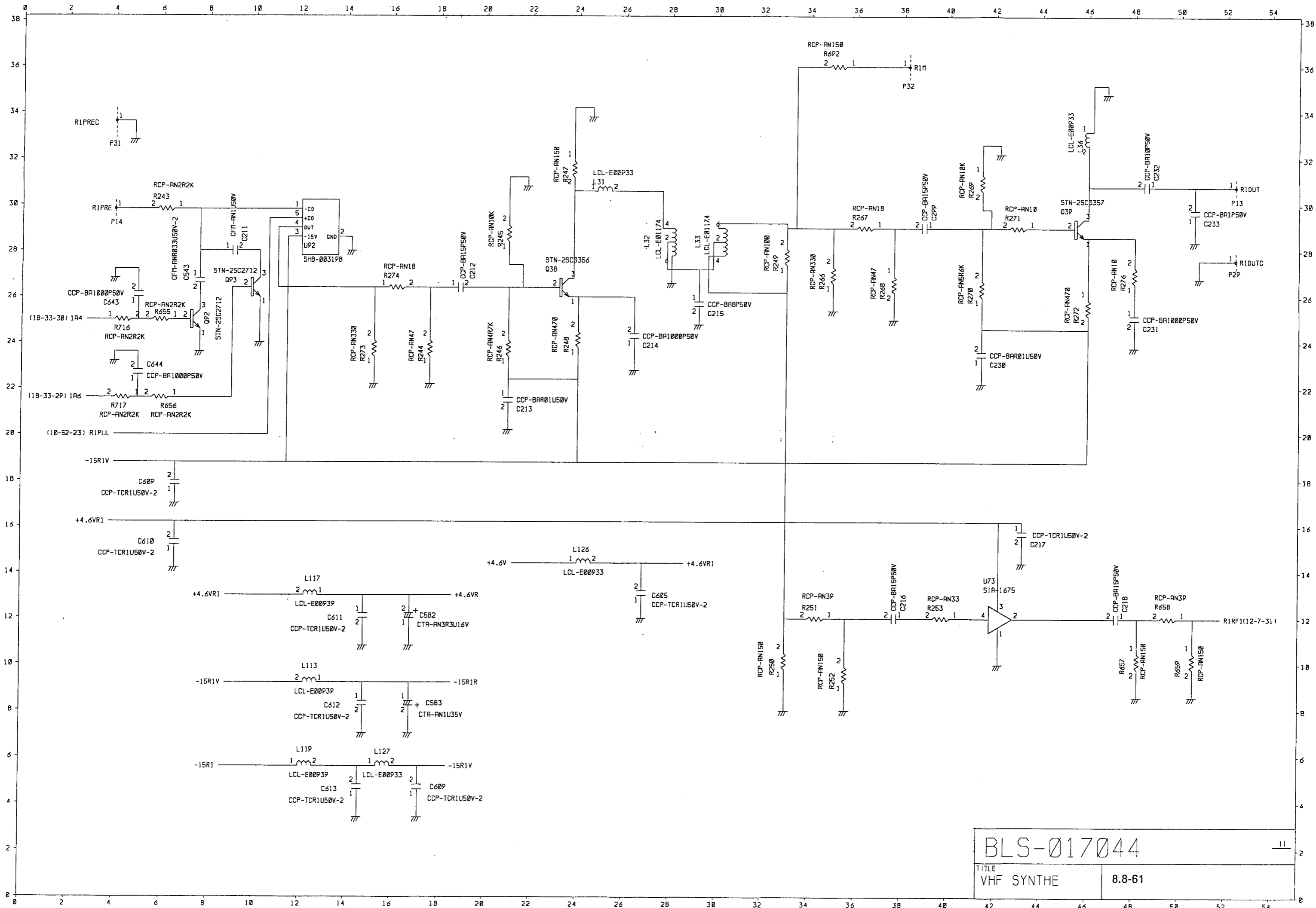


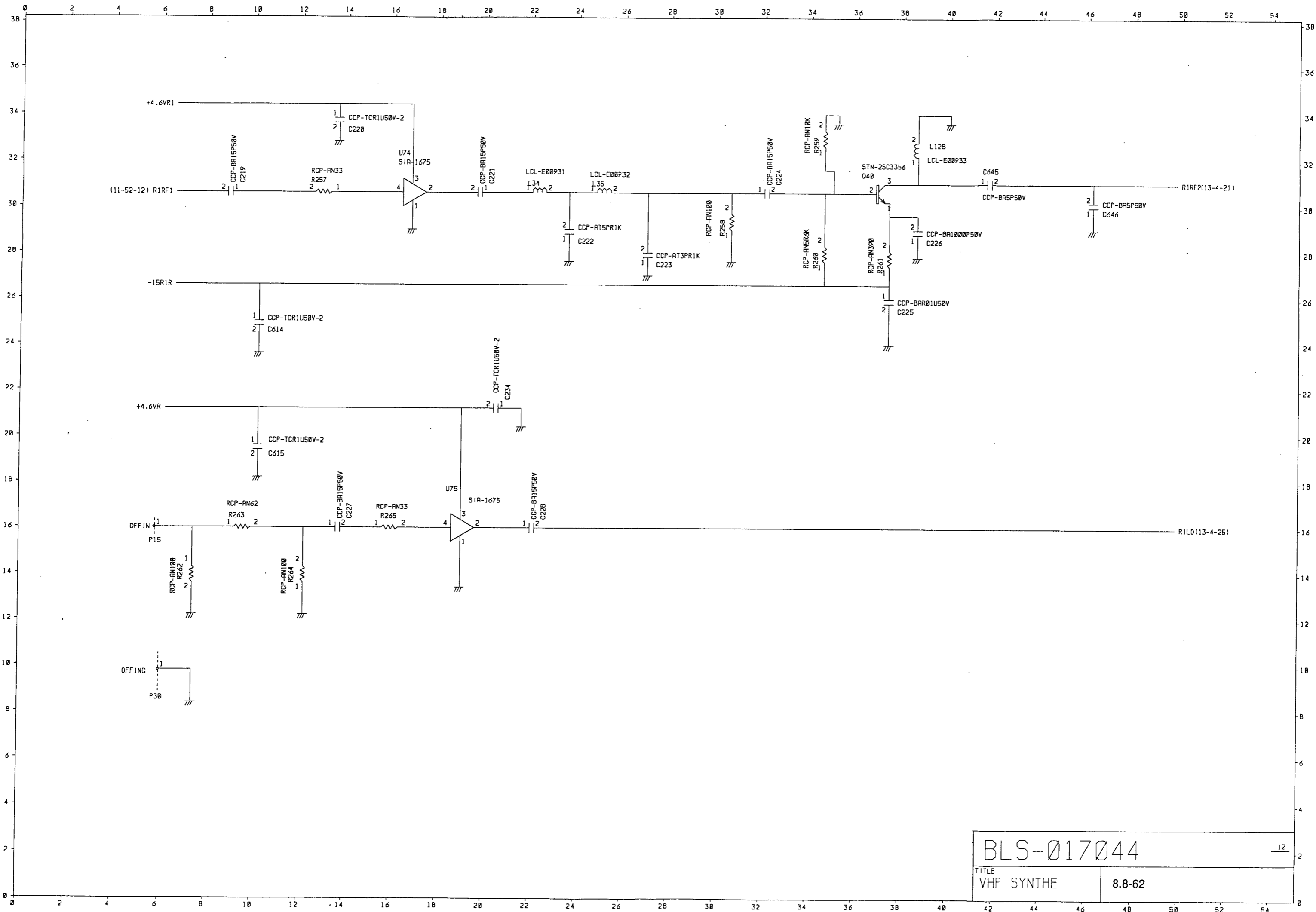
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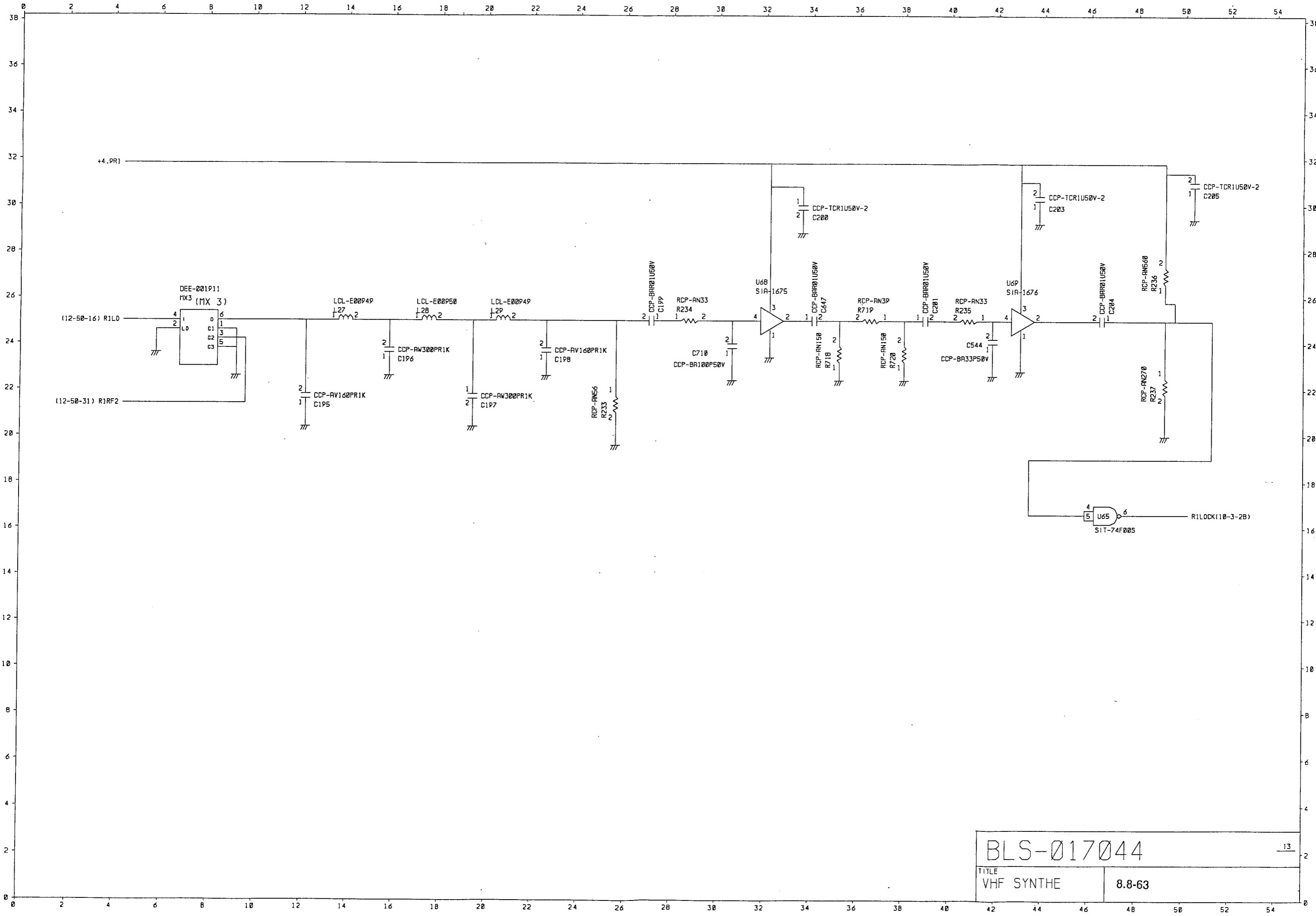
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| VHF SYNTHÉ | |



BLS-017044
 TITLE
 VHF SYNTH
 8.8-60





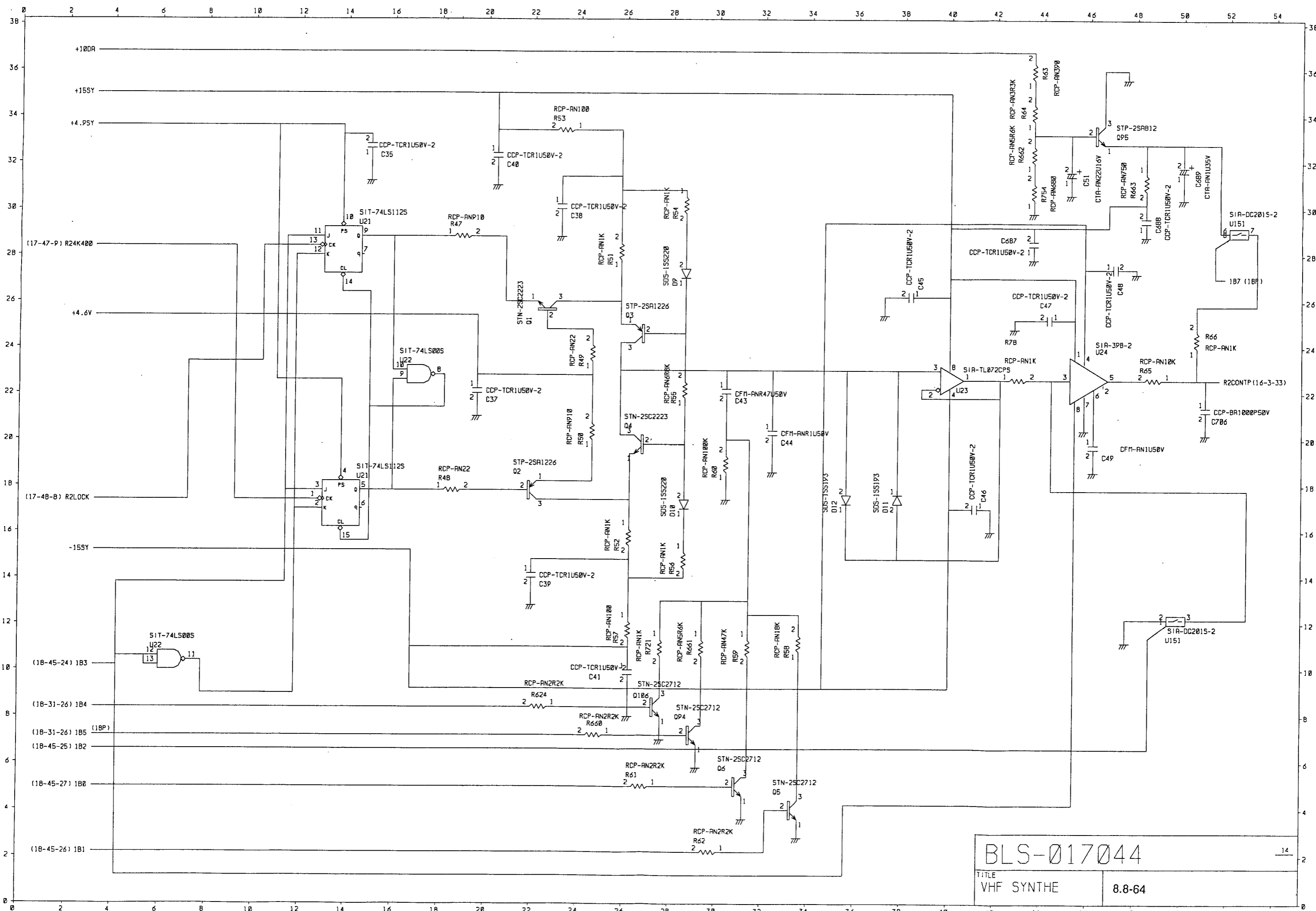


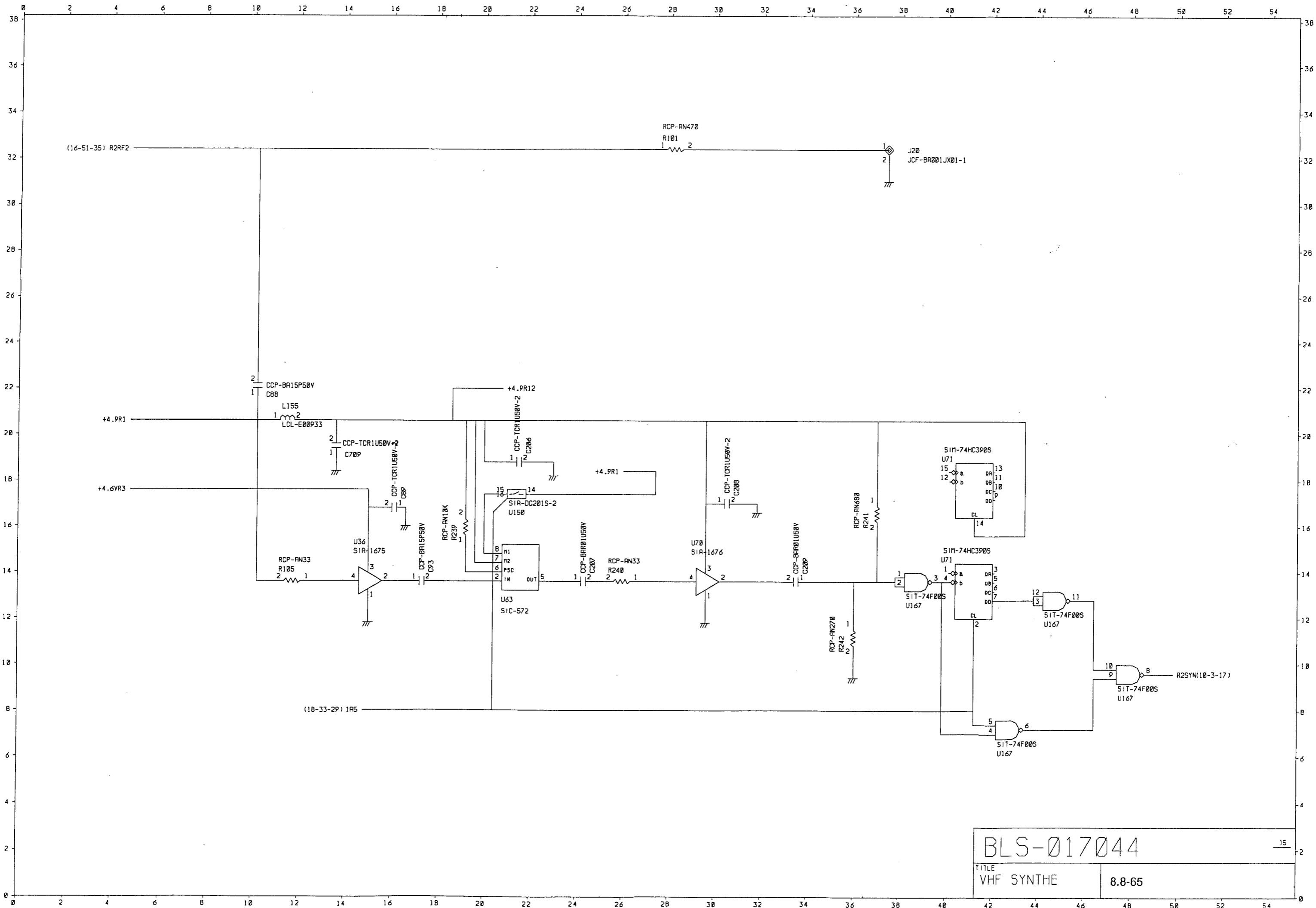
BLS-017044

TITLE
VHF SYNTH

8.8-63

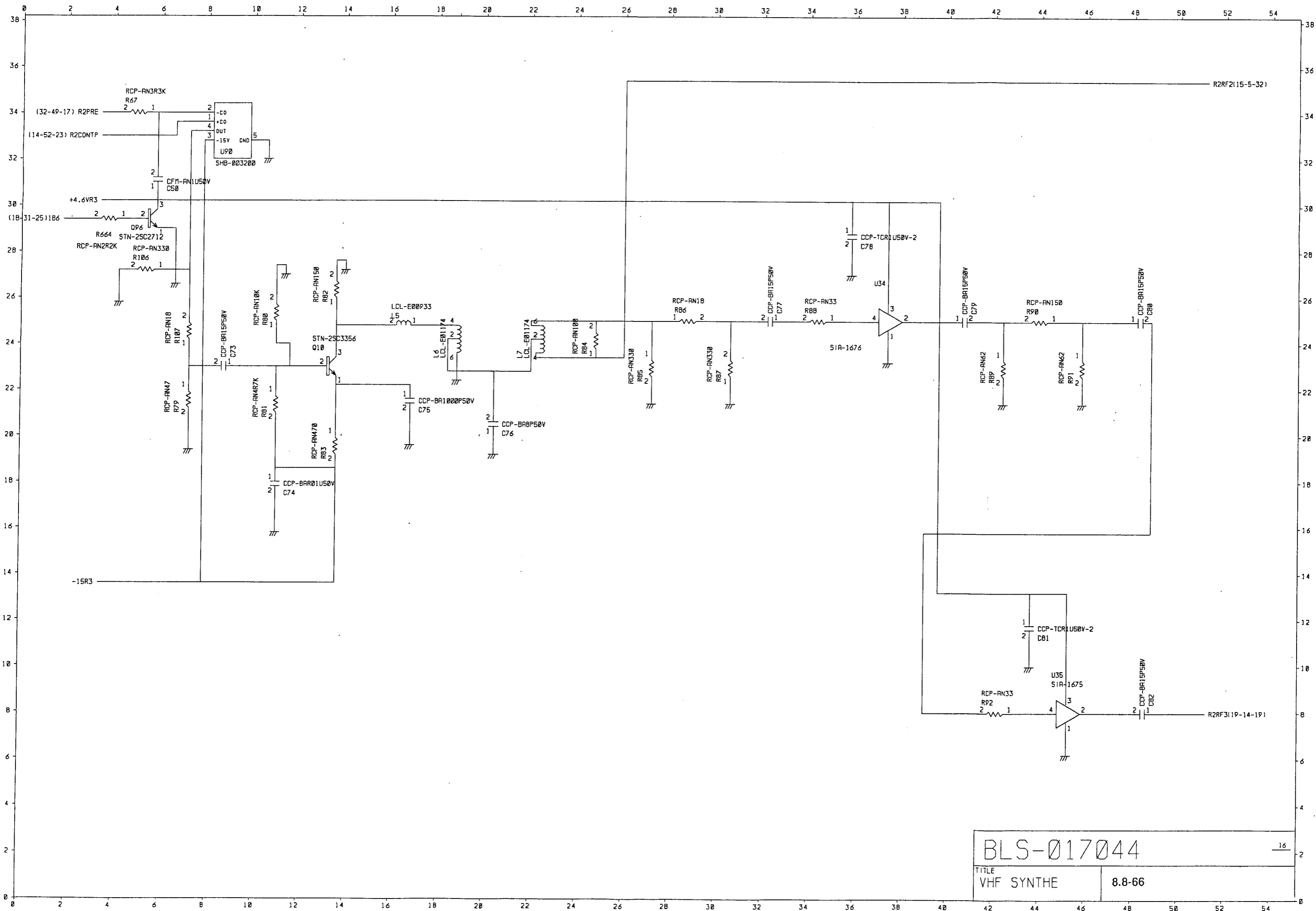
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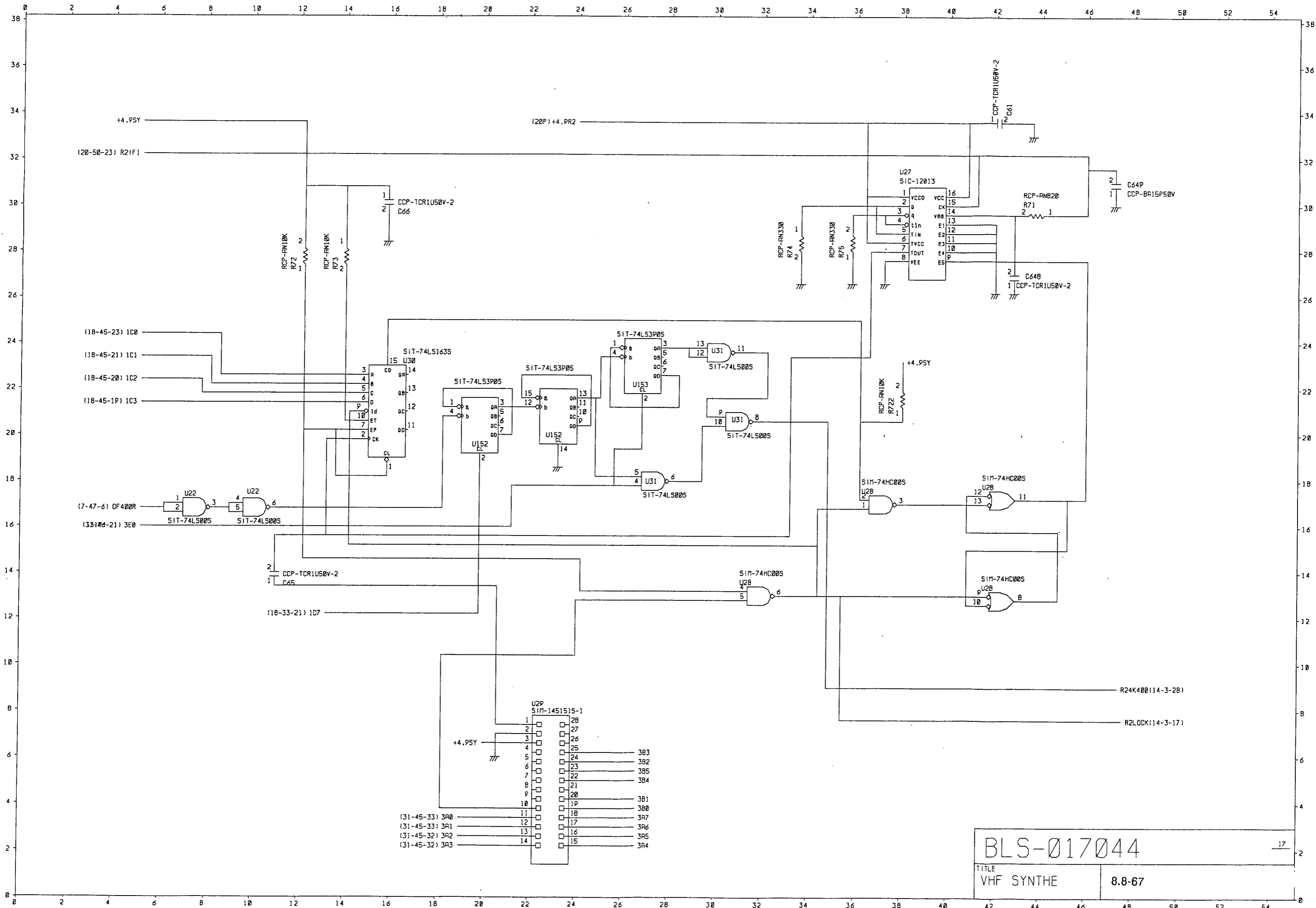


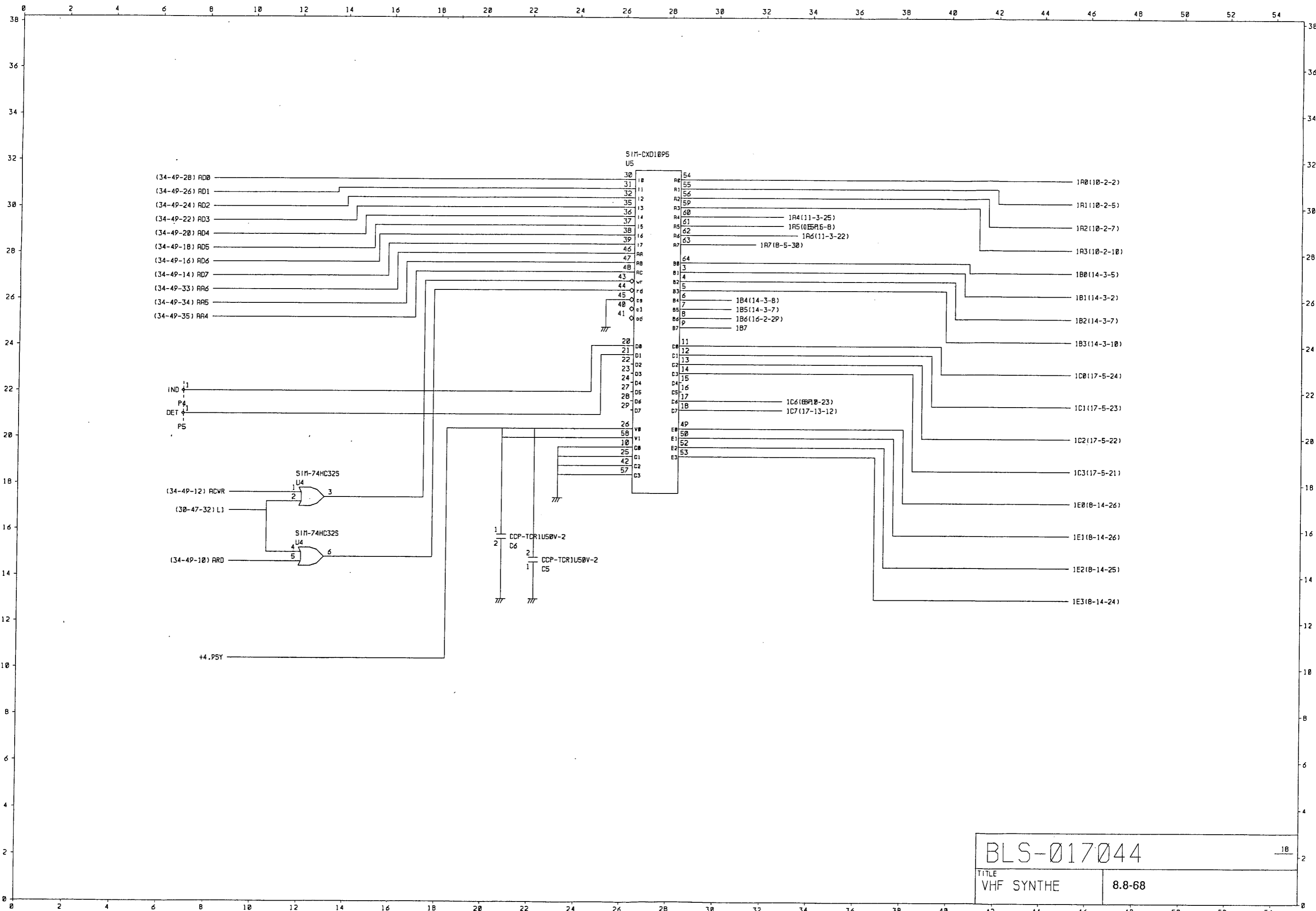
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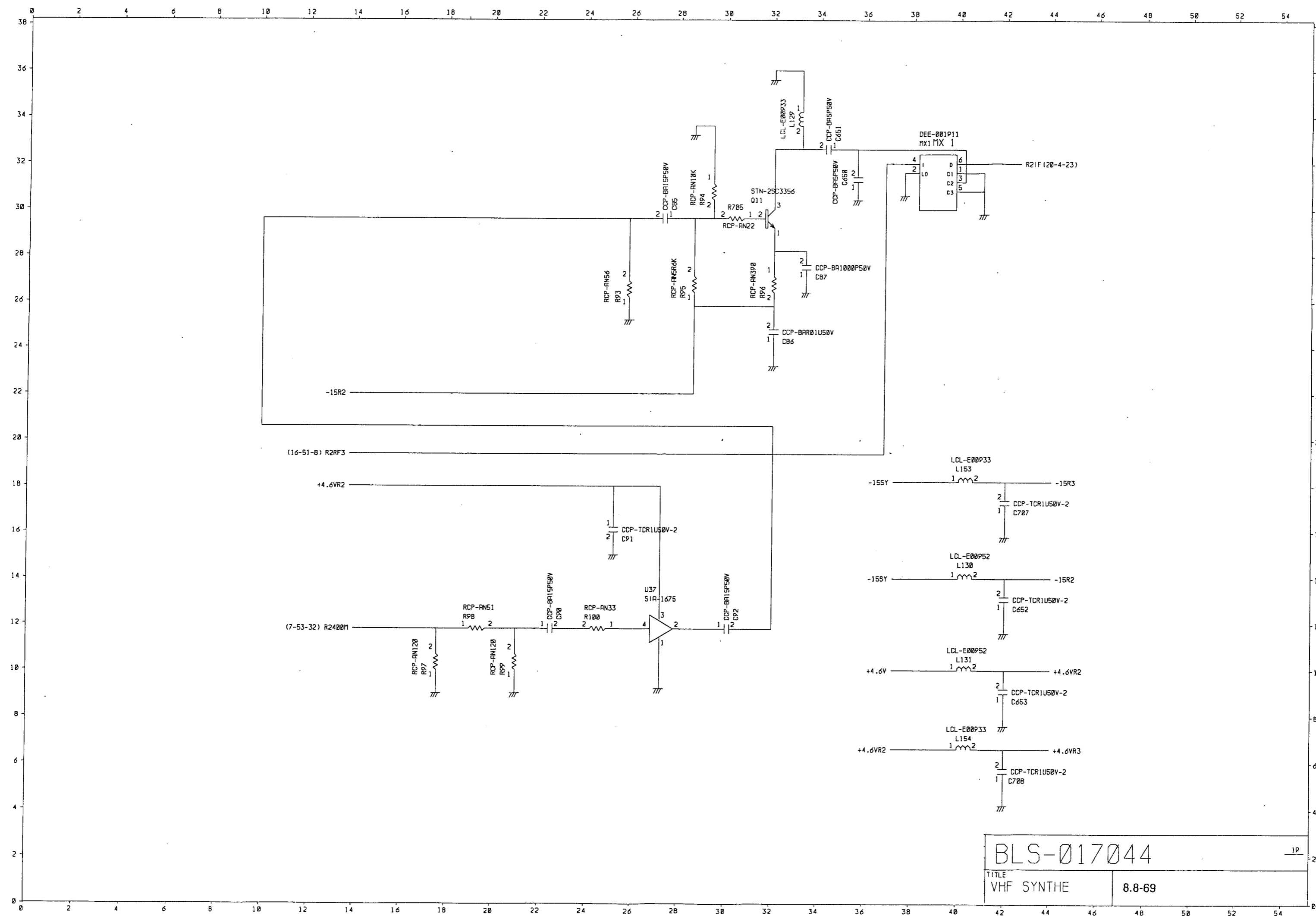
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BLS-017044
TITLE
VHF SYNTH 8.8-66



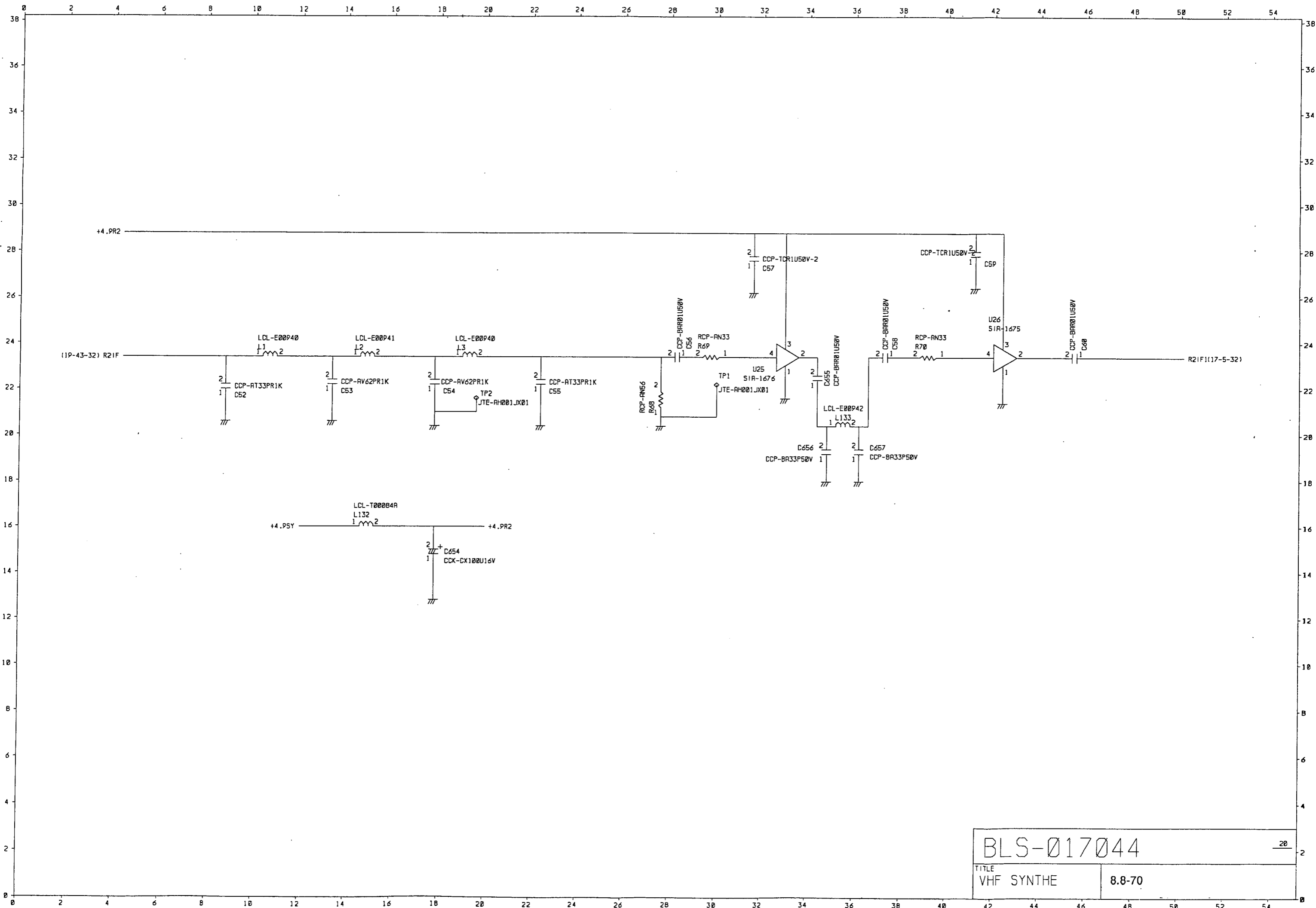




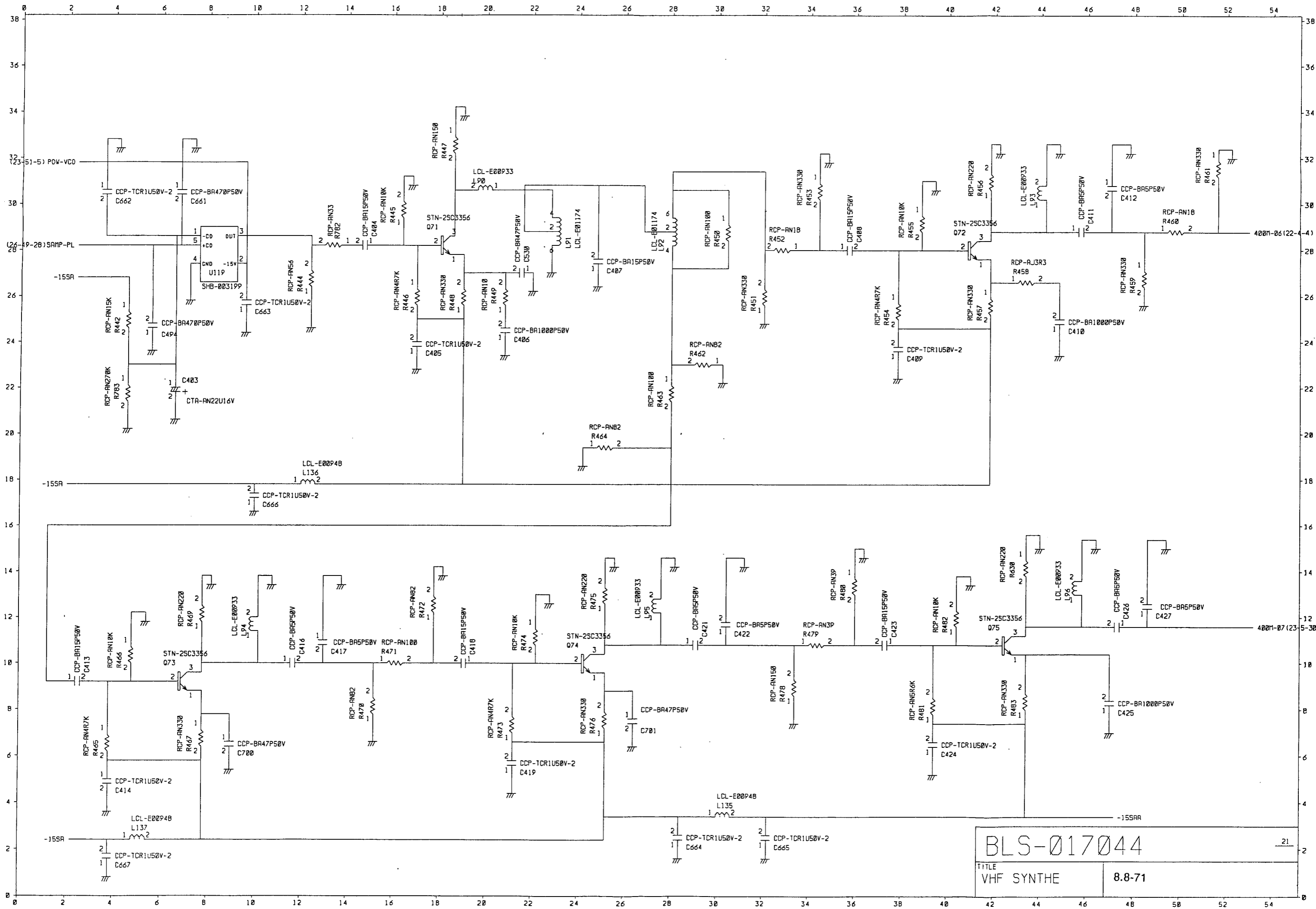
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BLS-017044

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|---------------------|--------|



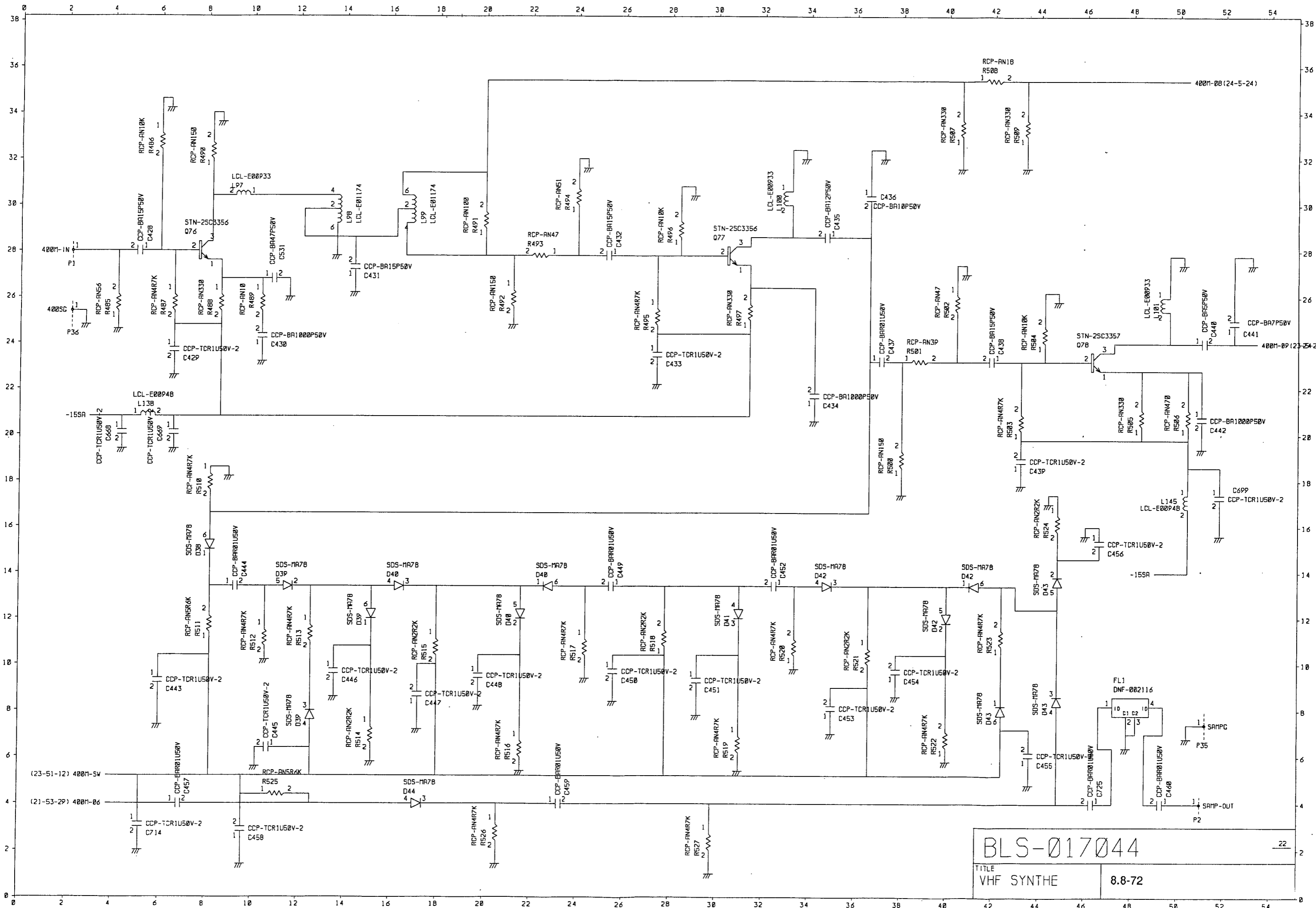
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| TITLE | VHF SYNTH | 8.8-70 |



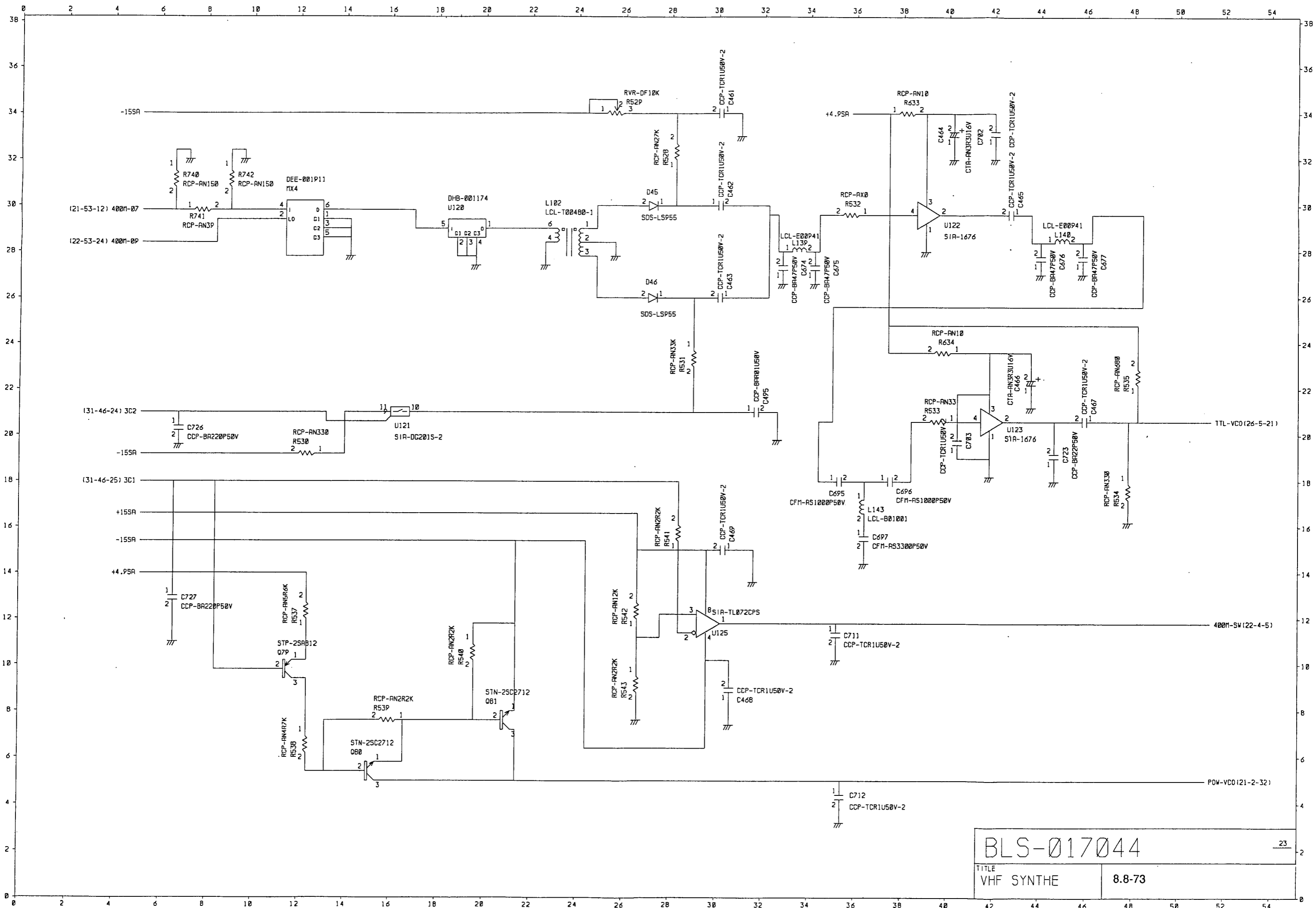
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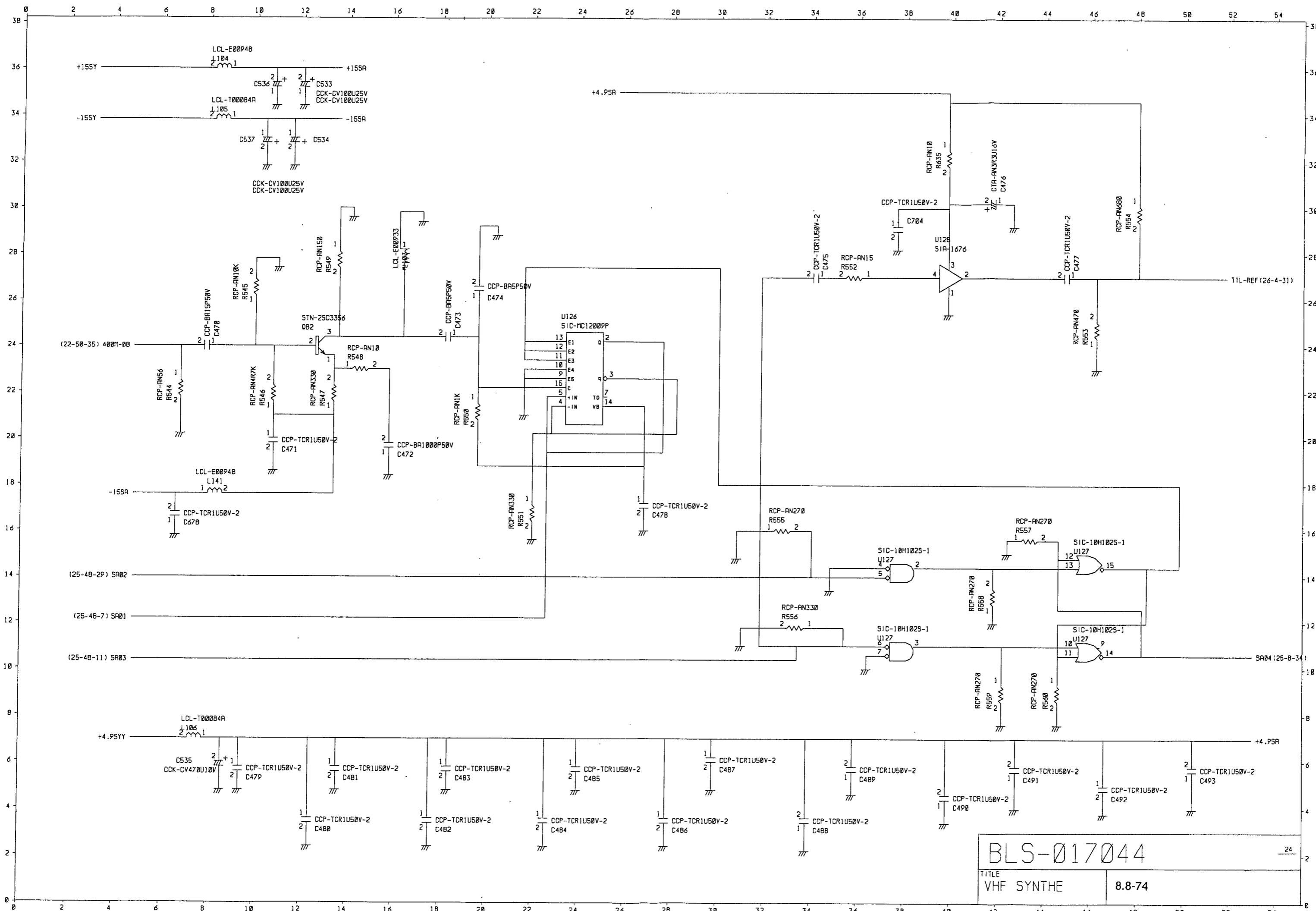
TITLE VHF SYNTH

8.8-71

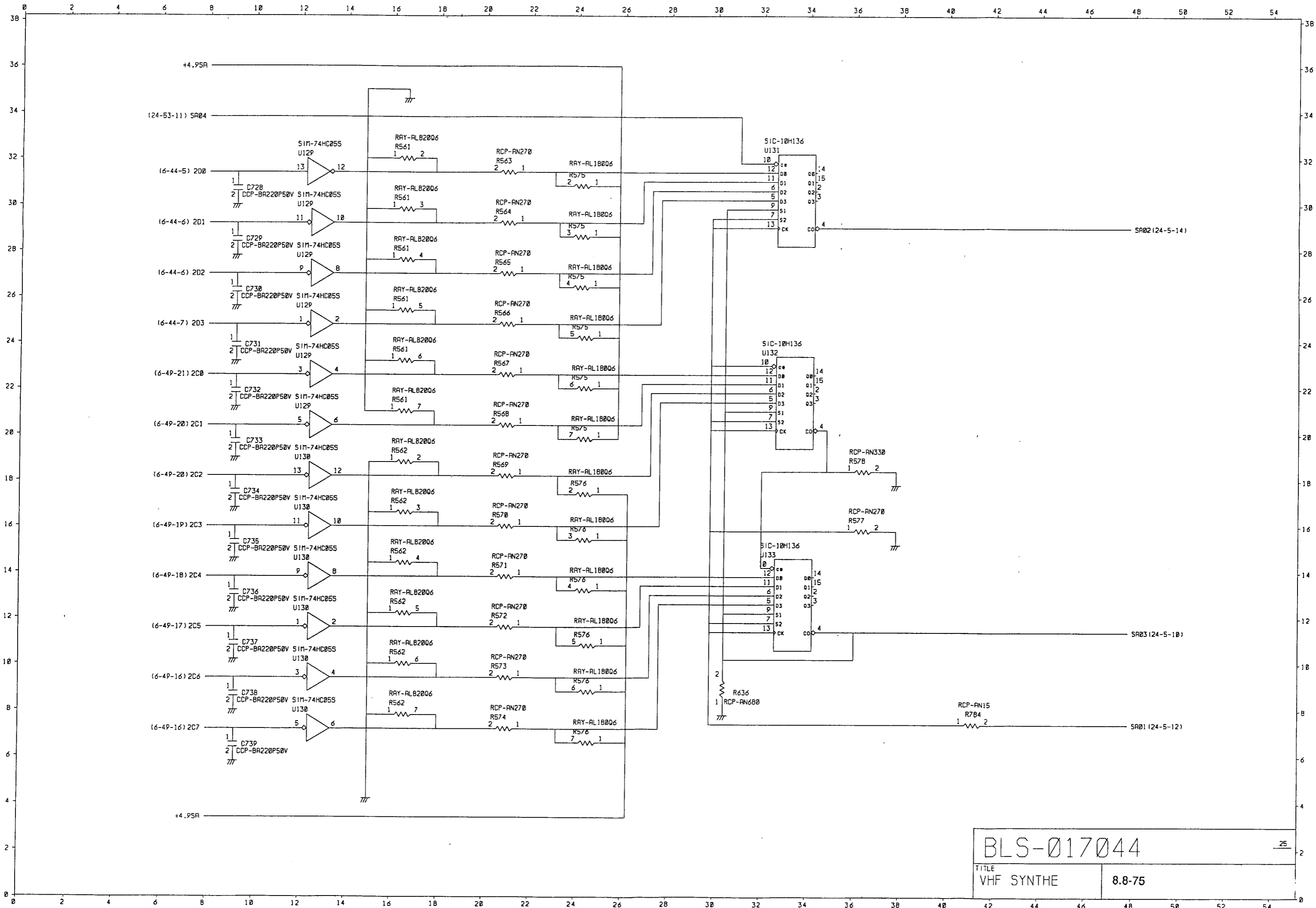


BLS-017044
TITLE
VHF SYNTH
8.8-72
22



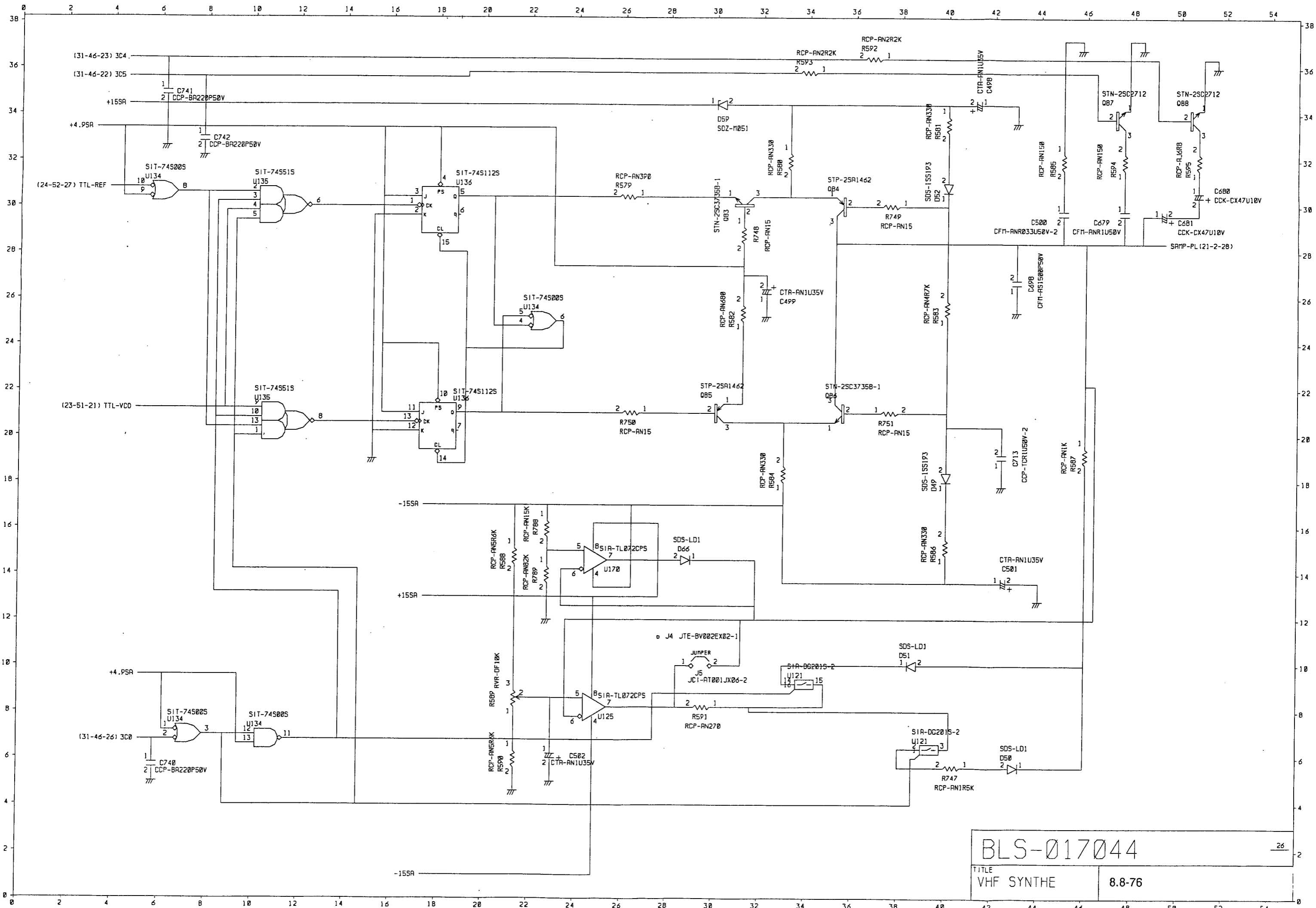


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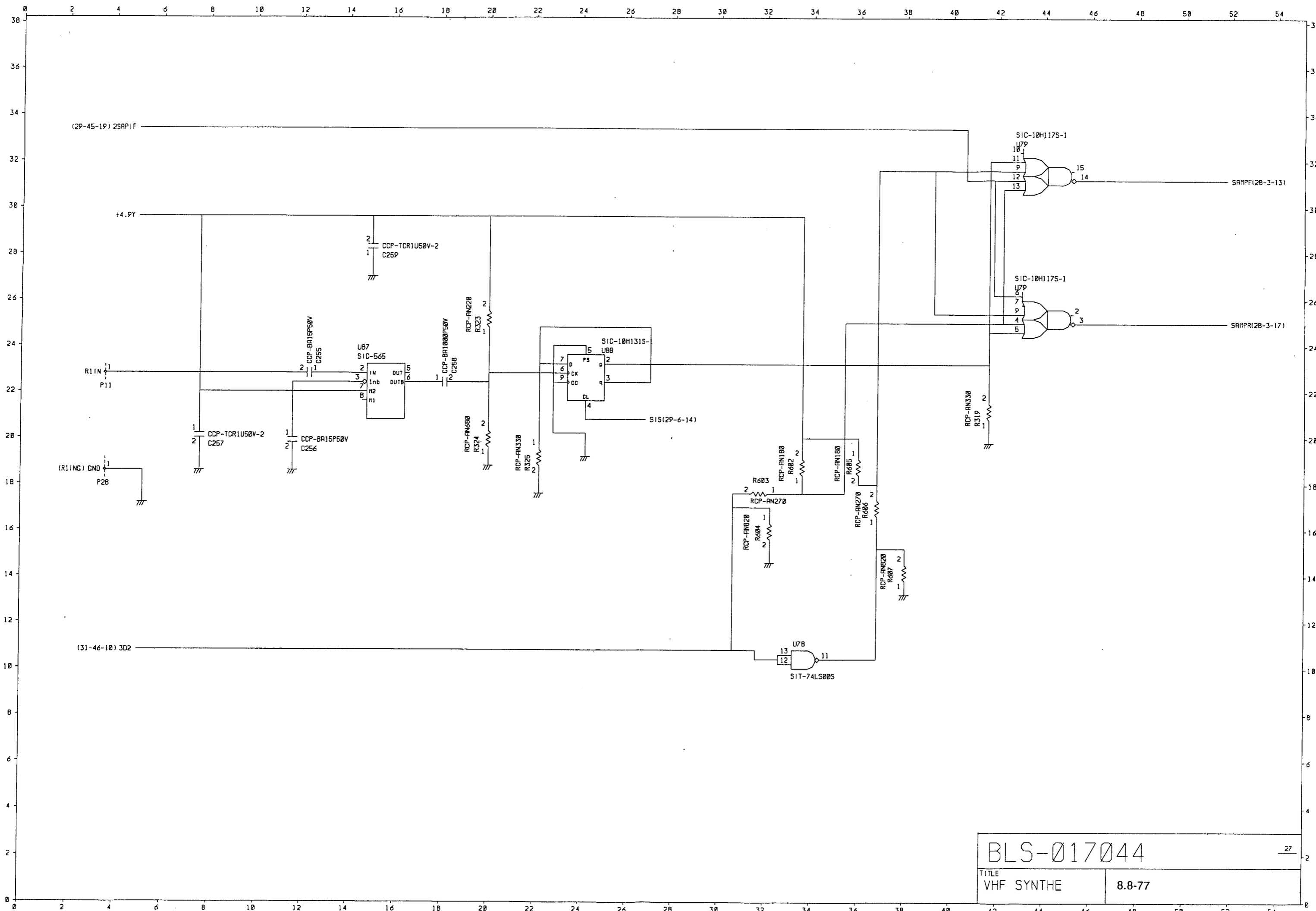


BLS-017044 25

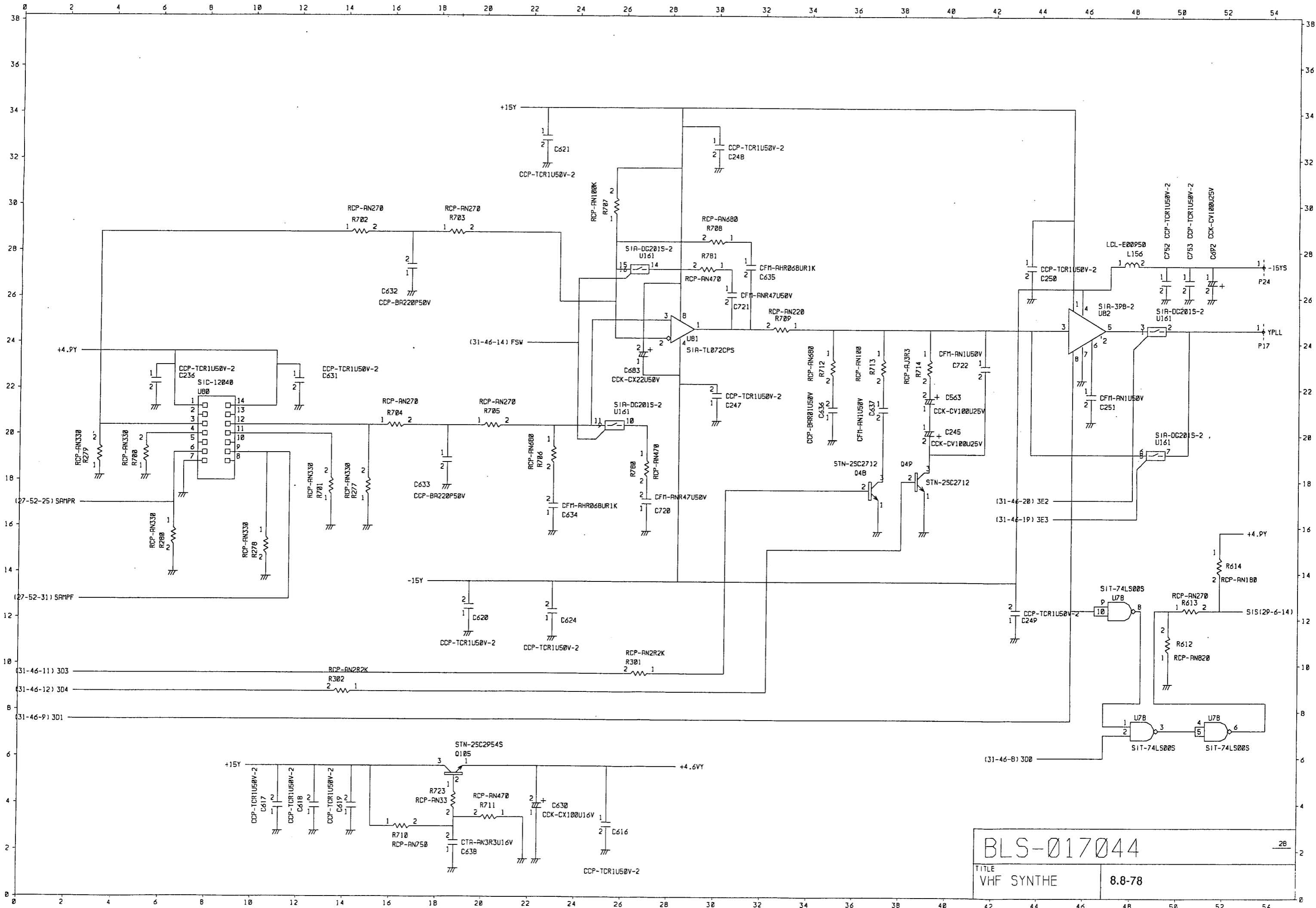
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|---------------------|--------|



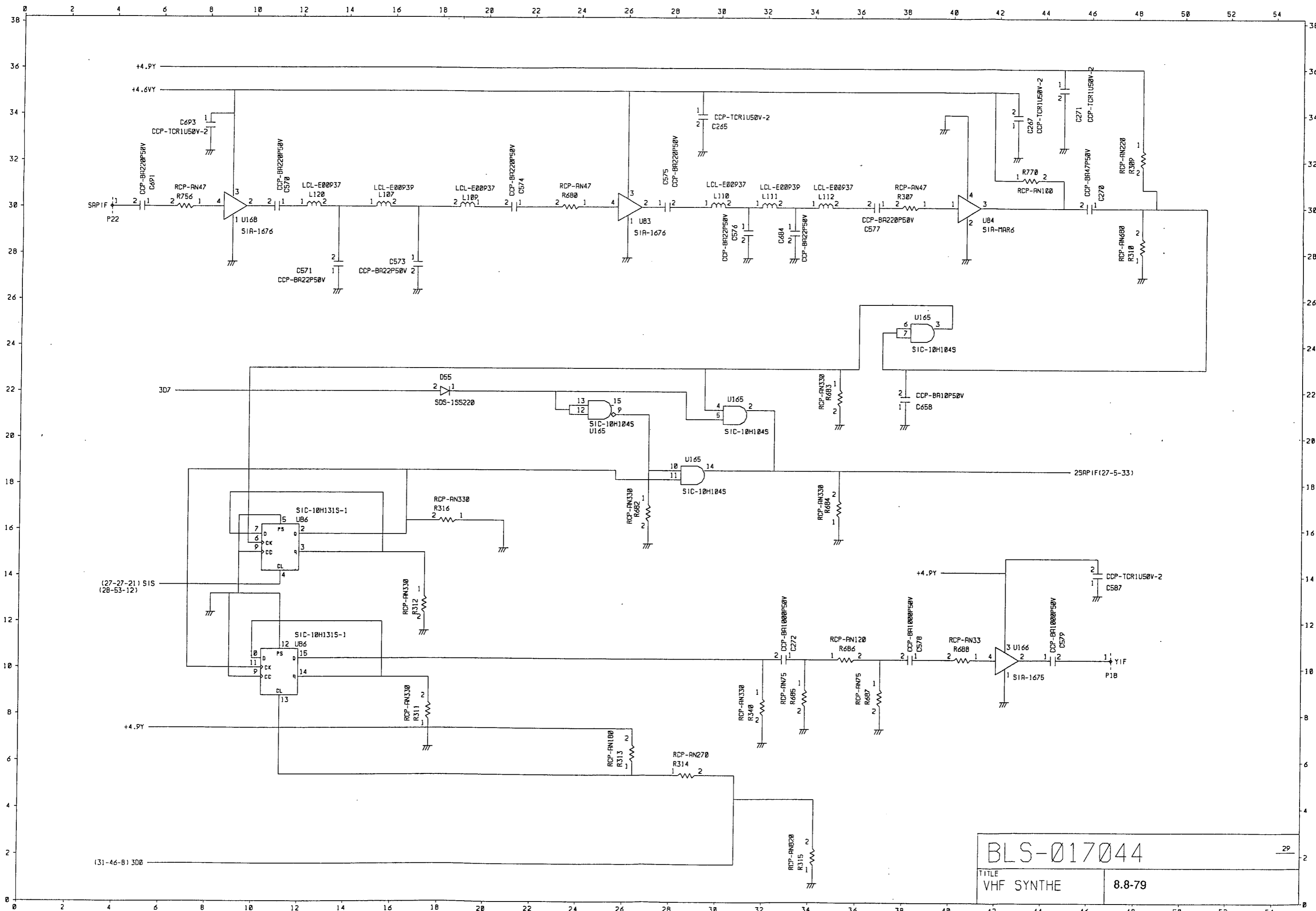
BLS-017044
 TITLE VHF SYNTHSE
 8.8-76
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| TITLE | VHF SYNTHÉ | 8.8-77 |

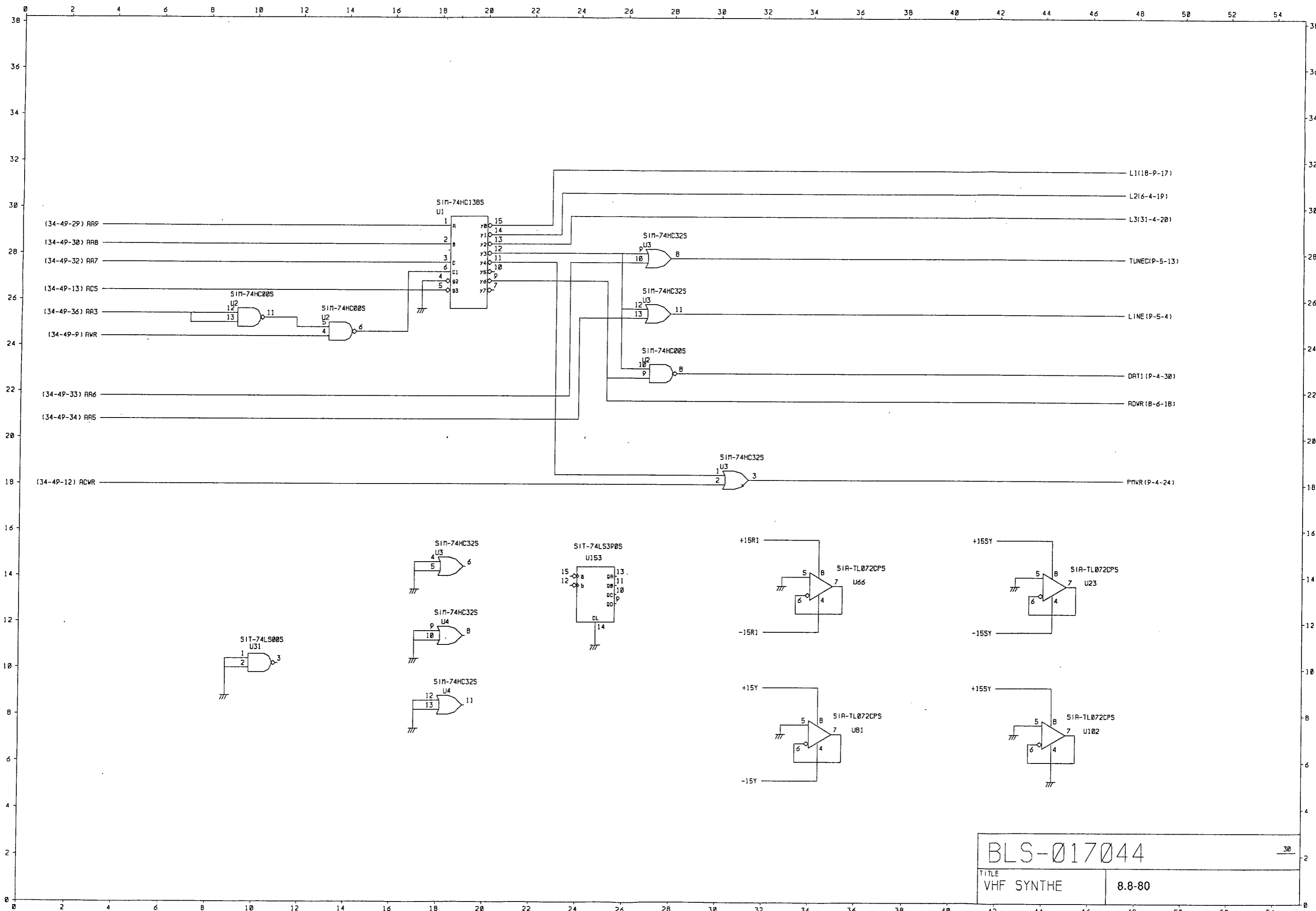


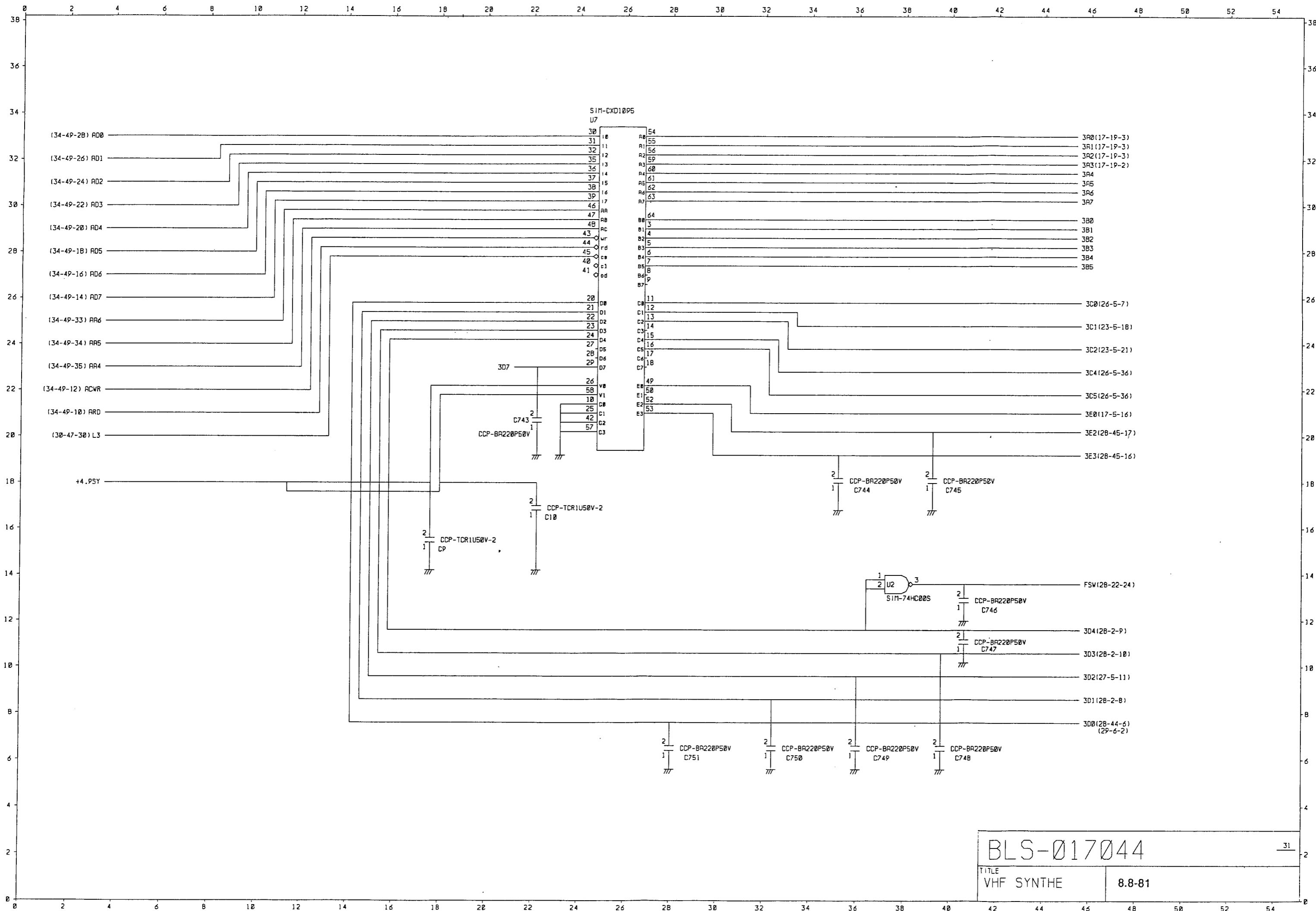
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| TITLE | VHF SYNTH | 8.8-78 |



29

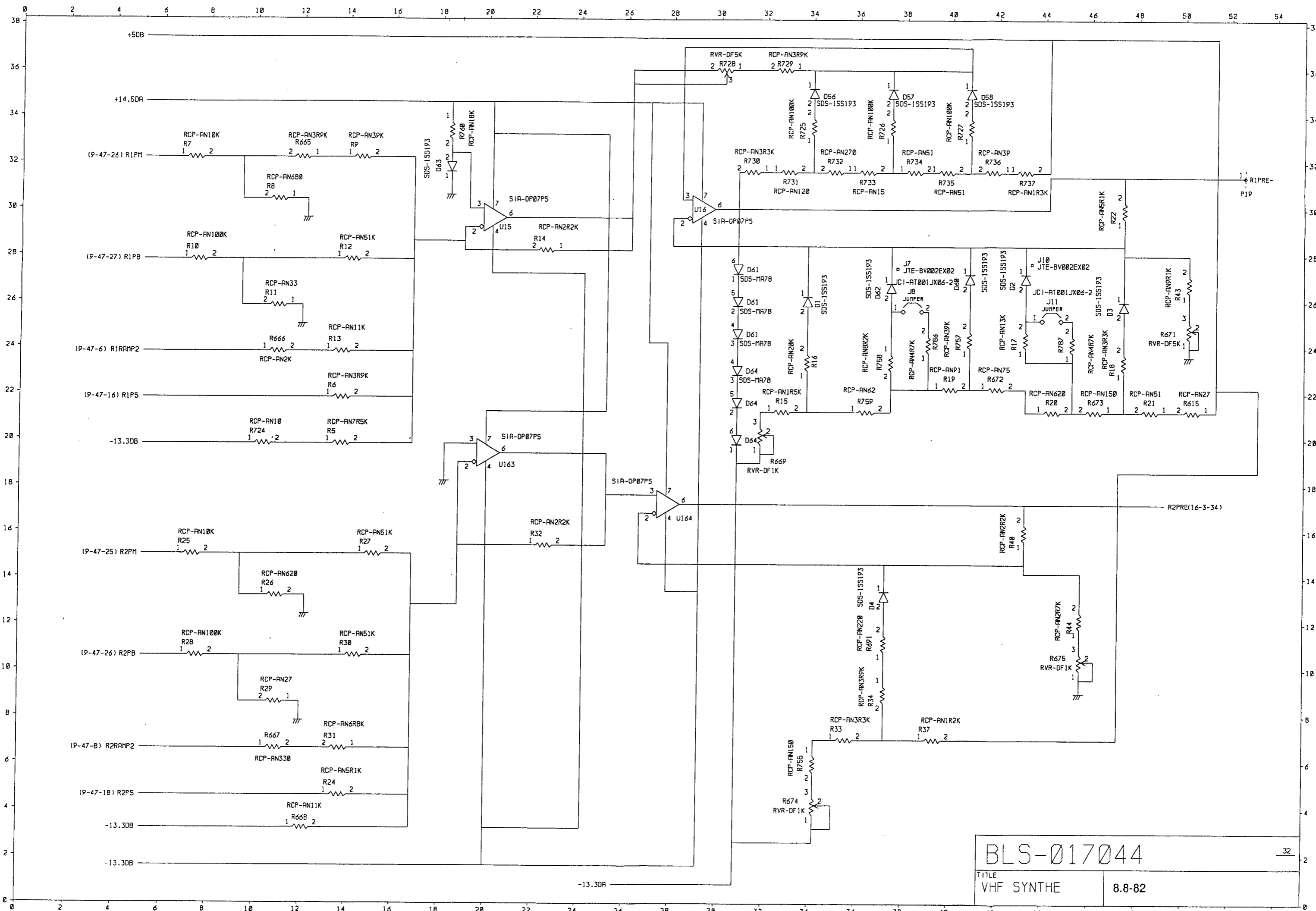
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31

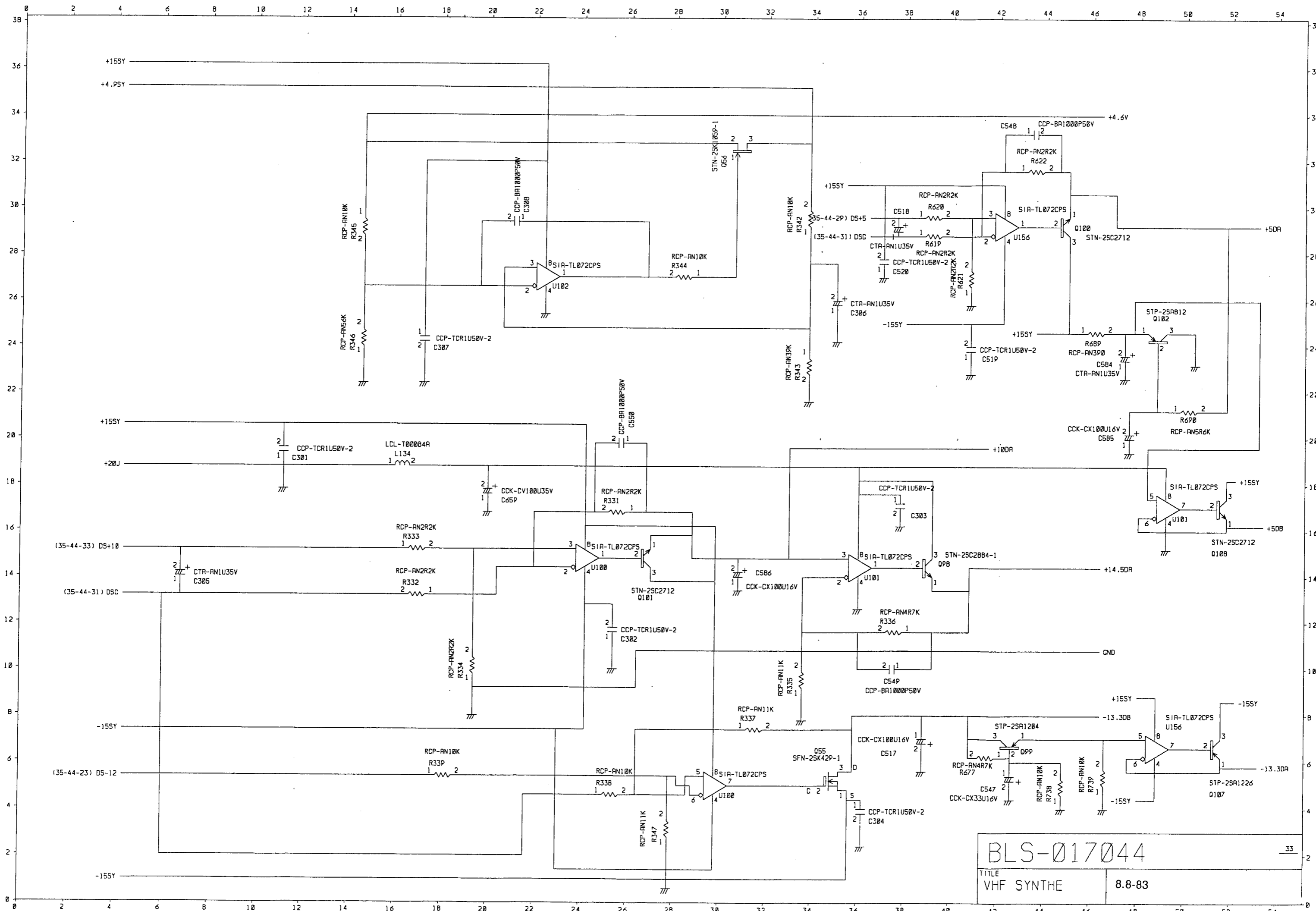
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32

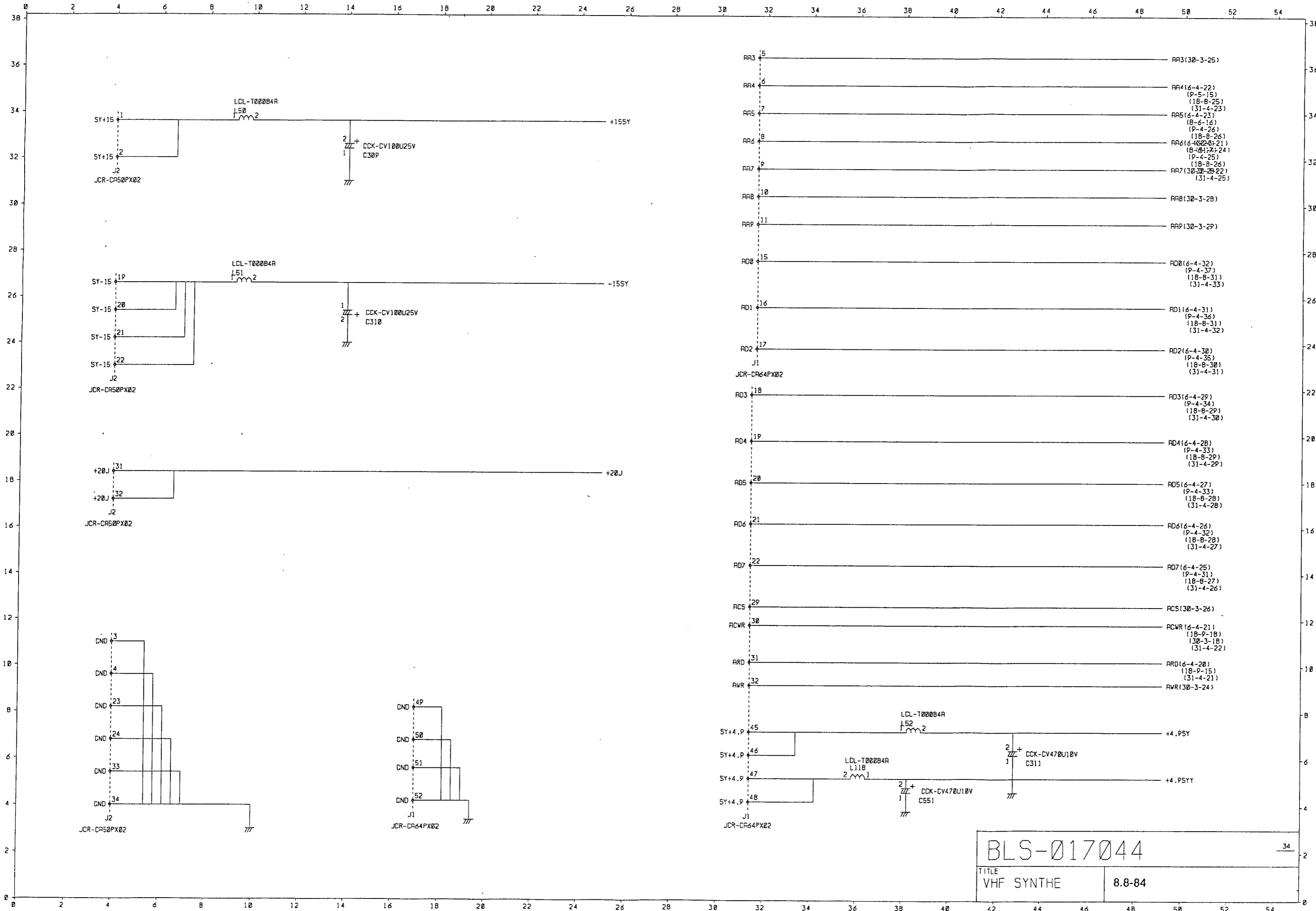
BLS-017044

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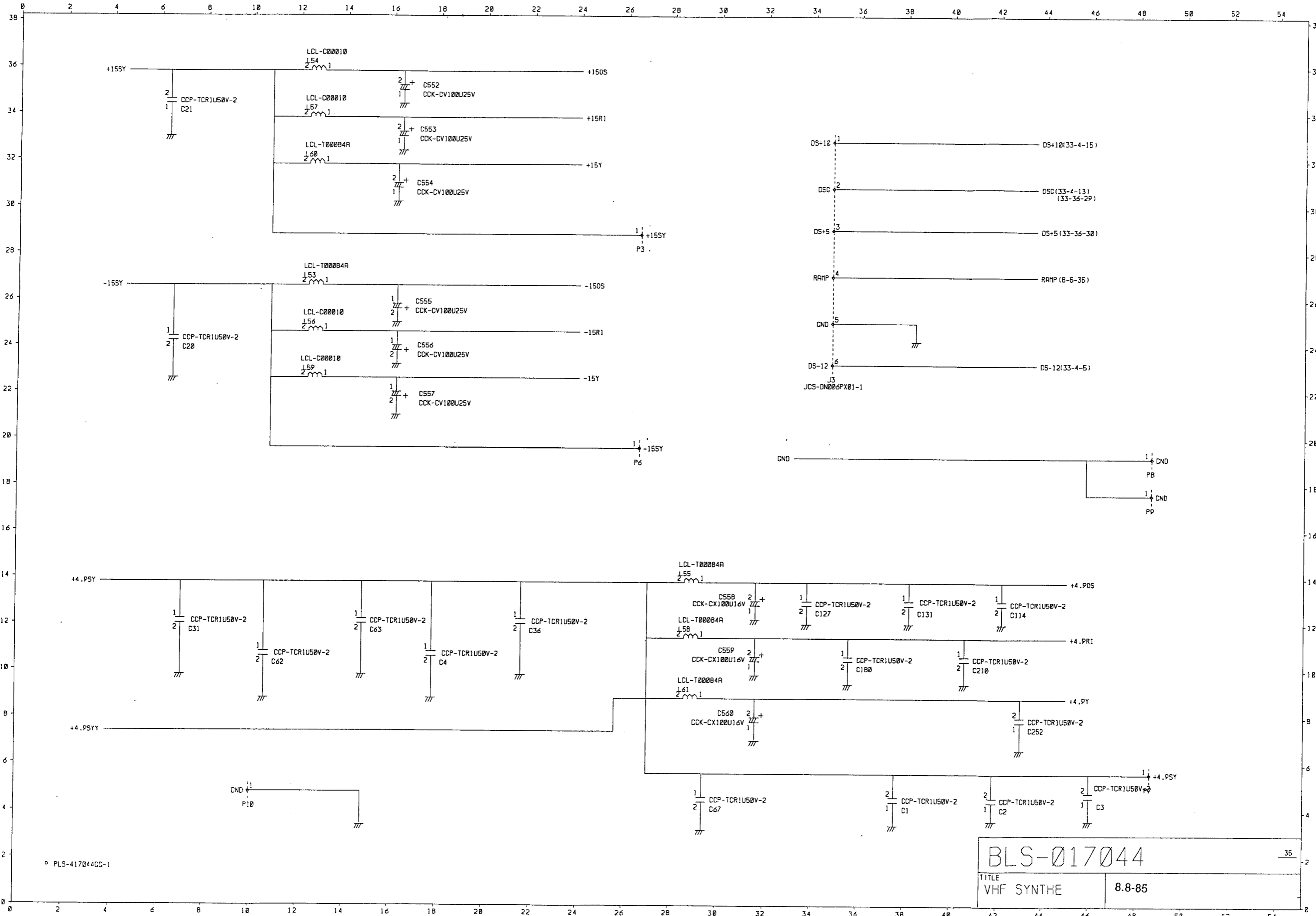


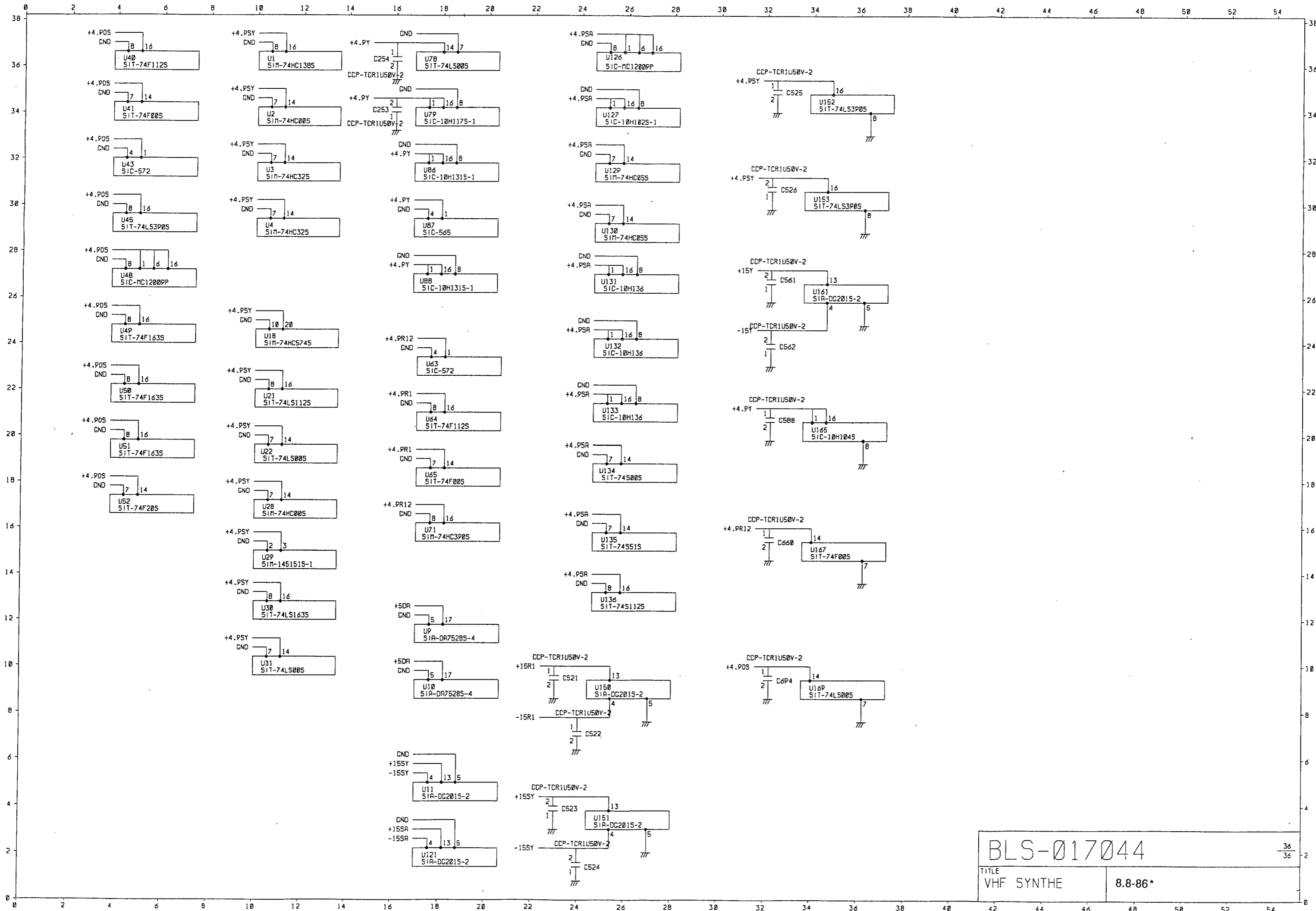
BLS-017044 33

| | |
|---------------------|--------|
| TITLE VHF SYNTHE | 8.8-83 |
|---------------------|--------|



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|------------|--------|----|
| BLS-017044 | | 34 |
| TITLE | | |
| VHF SYNTH | 8.8-84 | |





R3265/3271
MEMORY CARD
WBL-32XXMCRD

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|-----------------------|------|
| | BLC-017047 | MEMORY CARD I/F BOARD | |
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R3265/3271
MEMORY CARD
 BLC-017047

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|------------------------------------|------|
| C1 -2 | CSM-AGR1U50V | FXD CER 0.1 μ F \pm 10% 50V | |
| D1 | NLD-000111 | LED RED | |
| J1 | DCB-RR0800X04-1 | CABLE WITH CONNECTOR | |
| J2 | YEE-004093-1 | MEMORY CARD CONNECTOR | |
| Q1 | STP-2SA642-33 | TRANSISTOR PNP | |
| Q2 | STN-RN1002 | TRANSISTOR NPN | |
| R1 | RCB-AG56K | FXD CAR 56k Ω \pm 5% 1/8W | |
| R2 | RCB-AG560 | FXD CAR 560 Ω \pm 5% 1/8W | |
| R3 | RCB-AG1K | FXD CAR 1k Ω \pm 5% 1/8W | |
| U1 | SIM-74HC10 | TRIPLE 3-INPUT POSITIVE-NAND GATES | |
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R3265/3271
FREQUENCY STANDARD
WBL-32XXSTD

| Parts No. | Advantest Stock No. | Description | Note |
|---------------|-----------------------------------------------|-------------------------------------------------|------|
| CB1 FL1 -3 | BLB-017041 DCB-QS4310X02-1 DNF-001052-1 | FREQUENCY STANDARD BOARD CABLE EMT FILTER | |
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**R3265/3271
FREQUENCY STANDARD
BLB-017041**

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|-----------------------------------------|------|
| C1 | CCP-BA1000P50V | FXD CHIP 1000pF ± 10% 50V | |
| C2 -5 | CCP-ACR022U50V | FXD CHIP 0.022 _μ F ± 10% 50V | |
| C6 | CCK-BX33U25V | FXD ELECT 33 _μ F ± 20% 25V | |
| C7 | CTA-AN22U16V | FXD TA 22 _μ F ± 20% 16V | |
| C8 | CCP-ACR022U50V | FXD CHIP 0.022 _μ F ± 10% 50V | |
| D1 | SDZ-M130-1 | ZENER DIODE 13V | |
| D2 -3 | SDS-1SS220-1 | DIODE SI | |
| J1 | JCF-BF001JX02-1 | CONNECTOR-RF | |
| J2 | JCF-BF001JX02-1 | CONNECTOR-RF | |
| L1 | LCL-E00389 | TRANSFORMER | |
| L2 | LCL-C00010 | COIL 180 _μ H 160mA | |
| Q1 | SFM-2SJ132S | FET MOS P-CH E-MODE | |
| Q2 | STN-2SD1584S-1 | TRANSISTOR NPN | |
| Q3 | STN-2SC2757-1 | TRANSISTOR NPN | |
| R1 | RCP-AH47K | FXD CHIP 47k _Ω ± 5% 1/8W | |
| R2 | RCP-AH390 | FXD CHIP 390 _Ω ± 5% 1/8W | |
| R3 | RCP-AH47K | FXD CHIP 47k _Ω ± 5% 1/8W | |
| R4 -5 | RCP-AH10K | FXD CHIP 10k _Ω ± 5% 1/8W | |
| R6 | RCP-AH12 | FXD CHIP 12 _Ω ± 5% 1/8W | |
| R7 | RCP-AH680 | FXD CHIP 680 _Ω ± 5% 1/8W | |
| R9 | RCP-AH1K | FXD CHIP 1k _Ω ± 5% 1/8W | |
| R10 | RCP-AH330 | FXD CHIP 330 _Ω ± 5% 1/8W | |
| X01 | DXC-001874-1 | OCCO (Oven Controlled X'tal Osc) 10MHz | |
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R3265/3271
PANEL
WBL-3271PNL

| Parts No. | Advantest Stock No. | Description | Note |
|--------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------|------|
| CB1 CB2 CB4 CB5 | BLD-017048 DCB-QS4309X02A-1 DCB-QS4316X01-1 DCB-FF4321X20-1 DCB-QS4688X02-1 | PANEL KEY BOARD CABLE CABLE CABLE COAXIAL CABLE | |
| R1 S1 | DEE-000828-1 KSS-000918-1 | SMA 50 Ω TERMINATOR SWITCH | |
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R3265/3271
 PANEL
 WBL-3265PNL

| Parts No. | Advantest Stock No. | Description | Note |
|-----------|---------------------|----------------------------|------|
| CB1 | DCB-QS4309X02A-1 | CABLE | |
| CB2 | DCB-QS4316X01-1 | CABLE | |
| CB4 | DCB-FF4321X20-1 | CABLE COAXIAL | |
| CB5 | DCB-QS4688X02-1 | CABLE | |
| R1 | DEE-000828-1 | SMA 50 Ω TERMINATOR | |
| S1 | KSS-000918-1 | SWITCH | |
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R3265/3271
 PANEL
 BLD-017048

| Parts No. | Advantest Stock No. | Description | Note |
|-------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------|------|
| D1 -3 D4 D5 J1 J2 | NLD-000010 NLD-000111 NLD-000010 DCB-RR1792X03-1 JCS-DN003PX01-1 | LED GREEN LED RED LED GREEN CABLE CONNECTOR | |
| R1 -5 S1 -43 VR1 | RCB-AG680 KSP-000609 RVR-BL100K | FXD CAR 680 Ω \pm 5% 1/8W SWITCH VR 100k Ω | |
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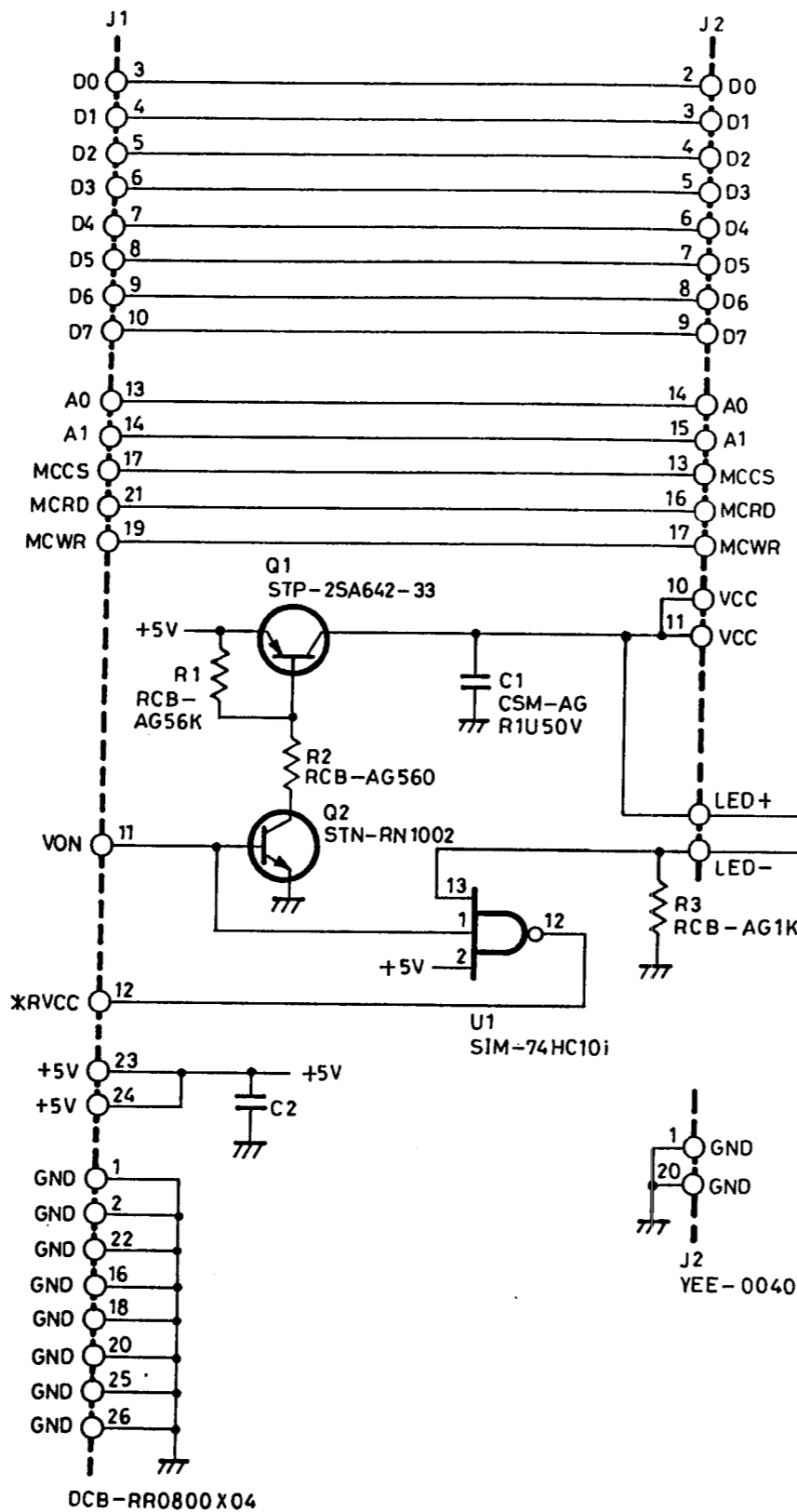
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Pin Connection

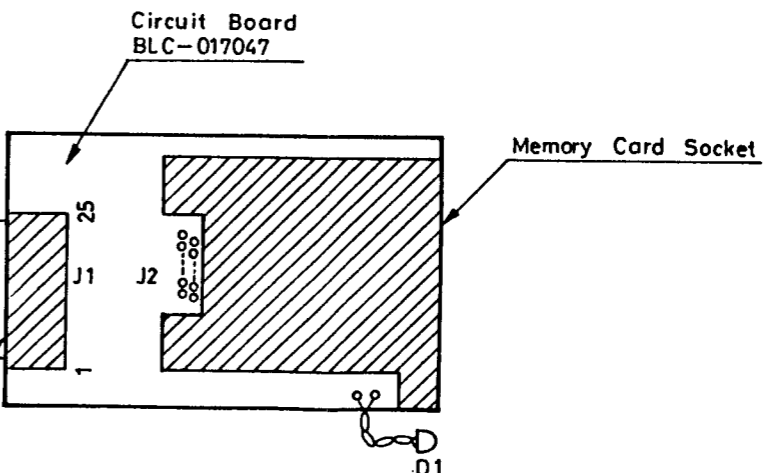
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|----|------|-------|----|
| 1 | GND | GND | 2 |
| 3 | D0 | D1 | 4 |
| 5 | D2 | D3 | 6 |
| 7 | D4 | D5 | 8 |
| 9 | D6 | D7 | 10 |
| 11 | VON | *RVCC | 12 |
| 13 | A0 | A1 | 14 |
| 15 | NC | GND | 16 |
| 17 | MCCS | GND | 18 |
| 19 | MCWR | GND | 20 |
| 21 | MCRD | GND | 22 |
| 23 | +5V | +5V | 24 |
| 25 | GND | GND | 26 |

DCB-RR0800X04



J2
Pin Connection

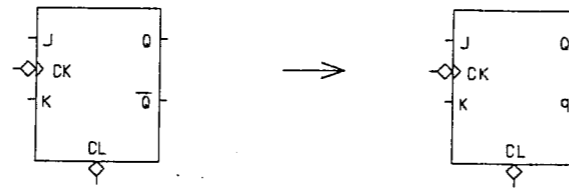
| | |
|----|------|
| 1 | GND |
| 2 | D0 |
| 3 | D1 |
| 4 | D2 |
| 5 | D3 |
| 6 | D4 |
| 7 | D5 |
| 8 | D6 |
| 9 | D7 |
| 10 | VCC |
| 11 | VCC |
| 12 | (NC) |
| 13 | CS |
| 14 | A0 |
| 15 | A1 |
| 16 | RD |
| 17 | WR |
| 18 | (WP) |
| 19 | (NC) |
| 20 | GND |



■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

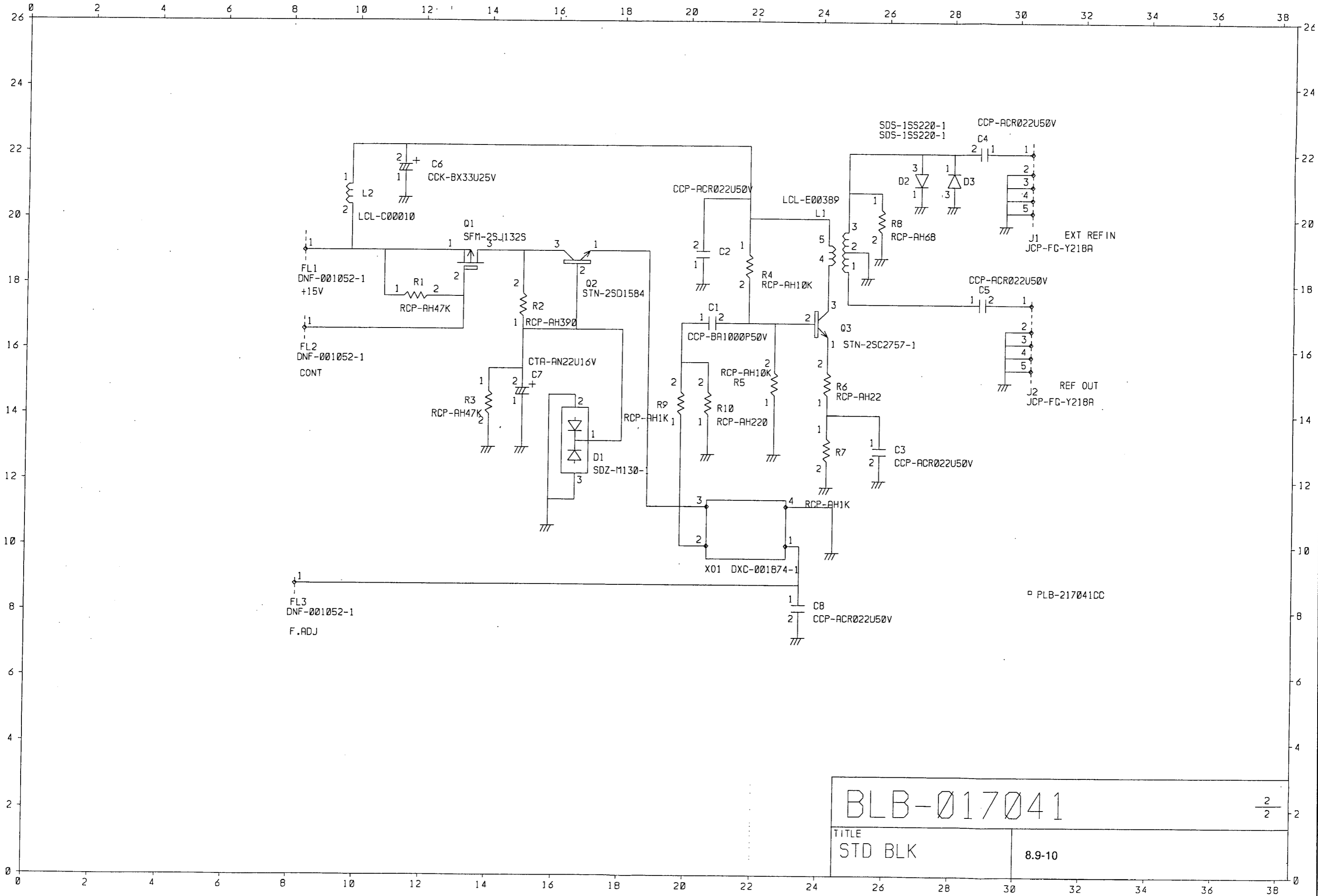
IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE
DISPLAYED BY SMALL LETTER)



BLB-017041 1

TITLE
STD BLK

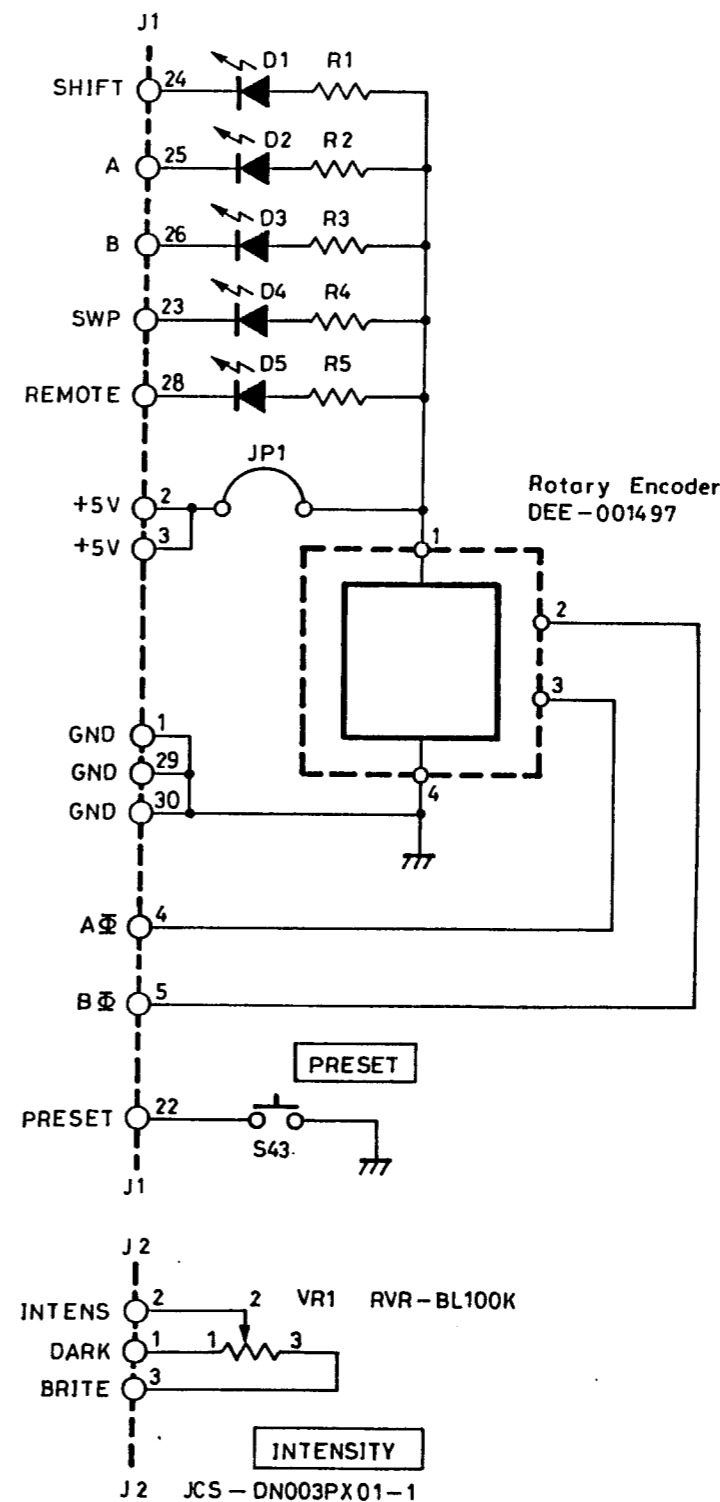
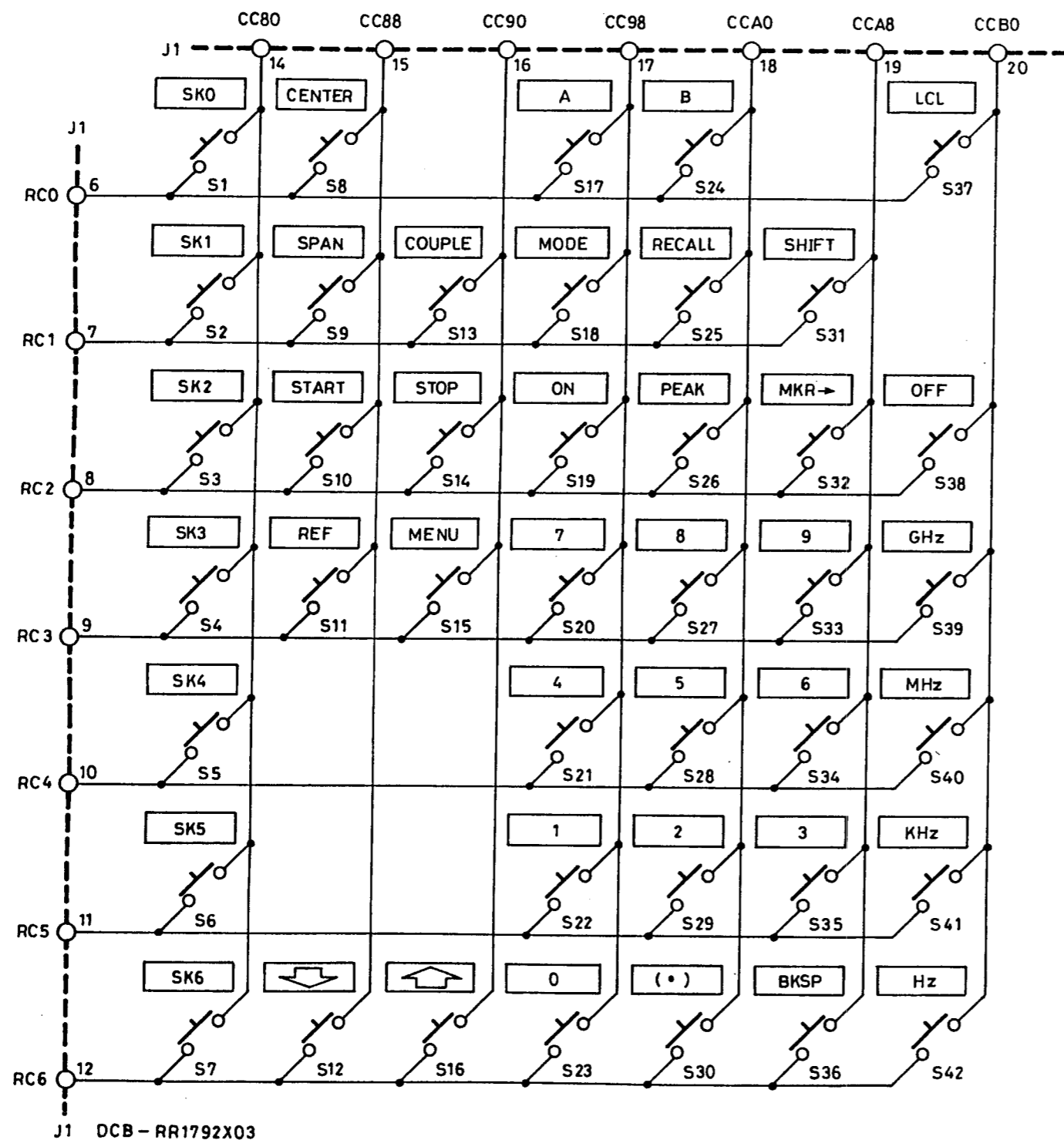
8.9-9



BLB-017041 2/2

| | |
|------------------|--------|
| TITLE STD BLK | 8.9-10 |
|------------------|--------|

□ PLB-217041CC



J1
Signal Table

| | | | |
|----|--------|--------|----|
| 1 | GND | +5V | 2 |
| 3 | +5V | A | 4 |
| 5 | B | RC0 | 6 |
| 7 | RC1 | RC2 | 8 |
| 9 | RC3 | RC4 | 10 |
| 11 | RC5 | RC6 | 12 |
| 13 | | CC80 | 14 |
| 15 | CC88 | CC90 | 16 |
| 17 | CC98 | CCA0 | 18 |
| 19 | CCA8 | CCB0 | 20 |
| 21 | | PRESET | 22 |
| 23 | REMOTE | SHIFT | 24 |
| 25 | A | B | 26 |
| 27 | | SWP | 28 |
| 29 | GND | GND | 30 |

J2
Signal Table

| | |
|---|--------|
| 1 | DARK |
| 2 | INTENS |
| 3 | BRITE |

| | | |
|--------|-------------|-----|
| S1~S43 | KSP-000609 | X43 |
| D1~D3 | (GREEN LED) | |
| D5 | NLD-000010 | X4 |
| | (RED LED) | |
| D4 | NLD-000111 | X1 |
| R1~R5 | RCB-AG680 | X5 |

1

BLD-017048

| | |
|-----------|---------|
| TITLE | |
| PANEL KEY | 8.9-11* |

LIMITED WARRANTY

1. Unless otherwise specifically agreed by Seller and Purchaser in writing, ADVANTEST will warrant to the Purchaser that during the Warranty Period this Product (other than consumables included in the Product) will be free from defects in material and workmanship and shall conform to the specifications set forth in this Operation Manual.
2. The warranty period for the Product (the "Warranty Period") will be a period of one year commencing on the delivery date of the Product.
3. If the Product is found to be defective during the Warranty Period, ADVANTEST will, at its option and in its sole and absolute discretion, either (a) repair the defective Product or part or component thereof or (b) replace the defective Product or part or component thereof, in either case at ADVANTEST's sole cost and expense.
4. This limited warranty will not apply to defects or damage to the Product or any part or component thereof resulting from any of the following:
 - (a) any modifications, maintenance or repairs other than modifications, maintenance or repairs (i) performed by ADVANTEST or (ii) specifically recommended or authorized by ADVANTEST and performed in accordance with ADVANTEST's instructions;
 - (b) any improper or inadequate handling, carriage or storage of the Product by the Purchaser or any third party (other than ADVANTEST or its agents);
 - (c) use of the Product under operating conditions or environments different than those specified in the Operation Manual or recommended by ADVANTEST, including, without limitation, (i) instances where the Product has been subjected to physical stress or electrical voltage exceeding the permissible range and (ii) instances where the corrosion of electrical circuits or other deterioration was accelerated by exposure to corrosive gases or dusty environments;
 - (d) use of the Product in connection with software, interfaces, products or parts other than software, interfaces, products or parts supplied or recommended by ADVANTEST;
 - (e) the occurrence of an event of force majeure, including, without limitation, fire, explosion, geological change, storm, flood, earthquake, tidal wave, lightning or act of war; or
 - (f) any negligent act or omission of the Purchaser or any third party other than ADVANTEST.
5. **EXCEPT TO THE EXTENT EXPRESSLY PROVIDED HEREIN, ADVANTEST HEREBY EXPRESSLY DISCLAIMS, AND THE PURCHASER HEREBY WAIVES, ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, (A) ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND (B) ANY WARRANTY OR REPRESENTATION AS TO THE VALIDITY, SCOPE, EFFECTIVENESS OR USEFULNESS OF ANY TECHNOLOGY OR ANY INVENTION.**
6. **THE REMEDY SET FORTH HEREIN SHALL BE THE SOLE AND EXCLUSIVE REMEDY OF THE PURCHASER FOR BREACH OF WARRANTY WITH RESPECT TO THE PRODUCT.**
7. **ADVANTEST WILL NOT HAVE ANY LIABILITY TO THE PURCHASER FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF ANTICIPATED PROFITS OR REVENUES, IN ANY AND ALL CIRCUMSTANCES, EVEN IF ADVANTEST HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE), STRICT LIABILITY, INDEMNITY, CONTRIBUTION OR OTHERWISE.**

CUSTOMER SERVICE DESCRIPTION

In order to maintain safe and trouble-free operation of the Product and to prevent the incurrence of unnecessary costs and expenses, ADVANTEST recommends a regular preventive maintenance program under its maintenance agreement.

ADVANTEST's maintenance agreement provides the Purchaser on-site and off-site maintenance, parts, maintenance machinery, regular inspections, and telephone support and will last a maximum of ten years from the date the delivery of the Product. For specific details of the services provided under the maintenance agreement, please contact the nearest ADVANTEST office listed at the end of this Operation Manual or ADVANTEST's sales representatives.

Some of the components and parts of this Product have a limited operating life (such as, electrical and mechanical parts, fan motors, unit power supply, etc.). Accordingly, these components and parts will have to be replaced on a periodic basis. If the operating life of a component or part has expired and such component or part has not been replaced, there is a possibility that the Product will not perform properly. Additionally, if the operating life of a component or part has expired and continued use of such component or part damages the Product, the Product may not be repairable. Please contact the nearest ADVANTEST office listed at the end of this Operation Manual or ADVANTEST's sales representatives to determine the operating life of a specific component or part, as the operating life may vary depending on various factors such as operating condition and usage environment.

CLAIM FOR DAMAGE IN SHIPMENT TO ORIGINAL BUYER

The product should be thoroughly inspected immediately upon original delivery to buyer. All material in the container should be checked against the enclosed packing list or the instruction manual alternatively. ADVANTEST will not be responsible for shortage unless notified immediately.

If the product is damaged in any way, a claim should be filed by the buyer with carrier immediately. (To obtain a quotation to repair shipment damage, contact ADVANTEST or the local supplier.) Final claim and negotiations with the carrier must be completed by buyer.

SALES & SUPPORT OFFICES

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#08-03/06 Alexandra Technopark Singapore 119967

Phone : 65-274-3100 Facsimile : 65-274-4055

ROHDE & SCHWARZ Engineering and Sales GmbH

Mühlendorfstr. 15 (P.O.B. 80 1429, D-81614 München)

D-81671 München, Germany

Phone : 49-89-4129-13711 Facsimile : 49-89-4129-13723

TEKTRONIX INC.

P.O. Box 500, M/S 39-520, Beaverton, Oregon 97077-0001

or

Howard Vollum Industrial Park, M/S 58-743, Beaverton, OR, 97077, U.S.A.

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Outside the U.S. 1-503-627-1933

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