

Marantz CD52mkII modifications

Power supply

| Part: | Org. value: | Replace by: | Brand: | Farnell: | Remark: |
|--------------|-------------|---------------|-----------------|----------|---------|
| C2678 | 3300u/16V | 5600u/16V | Panasonic FC | 969-2118 | |
| C2679 | 1000u/16V | 2200u/16V | Panasonic FC | 969-2088 | |
| C2680 | 220u/6.3V | | Black Gate Std. | | |
| C2681 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 | |
| C2683/2684 | 470u/35V | 1000u/35V | Rubycon ZL | 114-4710 | |
| C2685/2686 | 47u/25V | 220u/25V | Rubycon ZL | 114-4699 | |
| D6523...6526 | 1N4002 | MBR1100 | IR | 489-7432 | |
| D6631...6638 | 1N4002 | MBR1100 | IR | 489-7432 | |
| R3692/3693 | 2R2? | =J9229/9230 | | | |
| R3694/3695? | 2R2? | =J9226/9228 | | | |
| Q6645/6646 | 7815/7915 | 78M12A/79M12A | JRC | | |
| Q6648/6649? | 7808/7908? | | | | |

OPAMPS

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|--------------------------|----------|-------------|-----------------|--|
| C2657...2660 | 100u/25V | 220u/16V | Black Gate Std. | |
| IC6611/6612 | NJM2114D | DIL8 socket | | |
| R3641/3642/ 3643/3644 | 1R | | | |
| R3669 | 56k | removed | | |

OUTPUT FILTER

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|------------------------------------|-------------|-----------|-----------|----------|
| C2622/2623/ 2624/2625 | 39p cer. | | | |
| C2626/2627/ 2628/2629 | 470p cer. | | | |
| C2642/2643/2651 2652/2655/2656 | 100p cer. | | | |
| C2653/2654 | 1n cer. | 1n NPO | Phycomp | 360-6119 |
| C2665/2666 | 100u/16V BP | jumper | | |
| C2695/2696 | 100p | removed | | |
| R3615/3616/ 3617/3618 | 47k | 47k 0,1% | Vishay BC | 308-6343 |
| R3619/3620/ 3621/3622 | 8k2 | 8k2 0,1% | Vishay BC | 308-6161 |
| R3623/3624/3631/ 3632/3649/3650 | 10k | 10k0 0,1% | Vishay BC | 308-6185 |
| R3633/3634/ 3637/3638 | 5k6 | 5k6 0,1% | Vishay BC | 308-6124 |
| R3635/3636 | 7k5 | 7K5 0,1% | Vishay BC | 308-6150 |
| Q6617...6620 | BC818 | removed | | |

DAC (IC6608, SAA7350)

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|-------------------------------|----------|----------|-------------|----------|
| C2614/2620/2621 2640/2641 | 47n cer. | | | |
| C2615/2618/2619 2638/2639 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| C2630/2631 | 47n cer. | | | |
| C2632/2633 | 10u/50V | | | |
| C2634/2635 | 47n cer. | | | |
| C2636/2637 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| R3611/3613/3614/ 3625/3626 | 2R2 | | | |

Digital filter (IC6604, SM5840FP)

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|-------|----------|----------|-------------|----------|
| C2611 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| C2610 | 47n cer. | | | |
| R3646 | 2R2 | | | |

Decoder (IC6601, SAA7310GP)

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|-------|----------|----------|-------------|----------|
| C2603 | 22n cer. | | | |
| C2604 | 33u/16V | 100u/16V | Rubycon ZLH | 812-6283 |
| C2608 | 2n2 | | | |
| R3602 | 2R2 | | | |

DRAM (IC6602, MN4262-15)

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|-------|----------|----------|-------------|----------|
| C2601 | 22n cer. | | | |
| C2602 | 33u/16V | 100u/16V | Rubycon ZLH | 812-6283 |
| R3601 | 4R7 | | | |

Digital out (IC6623, PCF3523P)

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|------------|-----------|----------|-------------|----------|
| C2670/2672 | 47n cer. | | | |
| C2671 | 100n cer. | | | |
| C2673 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| C2694 | 1n cer. | 1n NP0 | Phycomp | 360-6119 |
| R3571 | 2R2 | | | |

Radial error processor (IC6501, TDA8809T)

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|-------|----------|-------------|-------------|----------|
| C2505 | 33u/16V | 100u/16V | Rubycon ZLH | 812-6283 |
| C2515 | 22n cer. | 10u/16V X5R | Kemet | 922-7881 |

Signal processor (IC6502, TDA8808T)

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|-------|----------|-------------|-----------|----------|
| C2511 | 22n cer. | 10u/16V X5R | Kemet | 922-7881 |
| C2513 | 1n cer. | 1n NP0 | Phycomp | 360-6119 |
| C2531 | 22n cer. | 22n PPS | Panasonic | 969-5044 |

µController (IC6507, MC68HC05C9)

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|-------|----------|----------|-------------|----------|
| C2532 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| C2533 | 22n cer. | | | |
| R3541 | 2R2 | | | |

E2PROM (IC6514, X24C16)

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|-------|----------|----------|-------------|----------|
| C2536 | 22n cer. | | | |
| C2612 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| R3556 | 2R2 | | | |

Drivers (IC6503/6515, TCA0372)

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|------------|----------|-------------|-------|----------|
| C2526/2527 | 47n cer. | 10u/16V X5R | Kemet | 922-7881 |
| C2539/2541 | 22n cer. | 10u/16V X5R | Kemet | 922-7881 |

Preamp (IC6520, NJM4560D)

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|------------|----------|----------|-------------|----------|
| C2545/2546 | 22n cer. | | | |
| C2551/2552 | 47u/25V | 100u/16V | Rubycon ZLH | 812-6283 |
| R3546/3547 | 2R2 | | | |

(R3546= J9227)