

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT | PARTS                 | MAKER      | VER | QTY | REMARKS |
|-----------|----------|-----------------------|------------|-----|-----|---------|
| IC39      |          |                       |            |     | 1   |         |
| IC40      |          |                       |            |     | 1   |         |
| IC41      |          |                       |            |     | 1   |         |
| IC1       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC2       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC3       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC4       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC6       | S. IC    | NJM2107F              | JRC        |     | 1   |         |
| IC7       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC8       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC9       | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC10      | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC11      | S. IC    | TA78L05F              | TOSHIBA    |     | 1   |         |
| IC12      | S. IC    | NJM2902V              | JRC        |     | 1   |         |
| IC13      | S. IC    | BU4066BCFV            | ROHM       |     | 1   |         |
| IC14      | S. IC    | TC4S66F               | TOSHIBA    |     | 1   |         |
| IC16      | S. IC    | TC4W53FU              | TOSHIBA    |     | 1   |         |
| IC17      | IC       | LA4425A               | SANYO      |     | 1   |         |
| IC20      | S. IC    | TC4W53FU              | TOSHIBA    |     | 1   |         |
| IC21      | S. IC    | TC4W53FU              | TOSHIBA    |     | 1   |         |
| IC25      | S. IC    | M62364FP              | MITSUBISHI |     | 1   |         |
| IC26      | S. IC    | NJM2904V              | JRC        |     | 1   |         |
| IC28      | S. IC    | NJM2107F              | JRC        |     | 1   |         |
| IC29      | S. IC    | FX805LG               | CML        |     | 1   |         |
| IC30      | S. IC    | TC4W53FU              | TOSHIBA    |     | 1   |         |
| IC31      | S. IC    | LC7387M               | SANYO      |     | 1   |         |
| IC32      | S. IC    | TC4W53FU              | TOSHIBA    |     | 1   |         |
| IC33      | S. IC    | HD64F2238FA13 (EMPTY) | HITACHI    |     | 1   |         |
| IC34      | S. IC    | S-80842CLUA-B63       | SEIKO      |     | 1   |         |
| IC35      | S. IC    | BU4011BFV             | ROHM       |     | 1   |         |
| IC36      | S. IC    | BU4011BFV             | ROHM       |     | 1   |         |
| IC37      | S. IC    | HN58X2464TI           | HITACHI    |     | 1   |         |
| IC38      | S. IC    | S-812C50AMC-C3E       | SEIKO      |     | 1   |         |
| IC42      | S. IC    | TLP121 GB             | TOSHIBA    |     | 1   |         |
| IC43      | S. IC    | TLP121 GB             | TOSHIBA    |     | 1   |         |
| IC44      | S. IC    | NJM2125F              | JRC        |     | 1   |         |
| IC45      | S. IC    | LMC567CM              | NS         |     | 1   |         |
| IC46      | S. IC    | BA6566F               | ROHM       |     | 1   |         |
| IC47      | S. IC    | LC73701M              | SANYO      |     | 1   |         |
| IC48      | S. IC    | TLP121 GB             | TOSHIBA    |     | 1   |         |
| IC49      | S. IC    | TLP121 GB             | TOSHIBA    |     | 1   |         |
| IC50      | S. IC    | TC4W53FU              | TOSHIBA    |     | 1   |         |

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|-----------|---------------|----------------|------------|-----|-----|---------|
| IC51      | S. IC         | NJM2107F       | JRC        |     | 1   |         |
| IC52      | S. IC         | NJM2520V       | JRC        |     | 1   |         |
| IC53      | S. IC         | TC4W53FU       | TOSHIBA    |     | 1   |         |
| Q1        | S. TRANSISTOR | XP1214         | MATSUSHITA |     | 1   |         |
| Q2        | S. TRANSISTOR | 2SC4081 R      | ROHM       |     | 1   |         |
| Q3        | S. TRANSISTOR | DTC144EE       | ROHM       |     | 1   |         |
| Q4        | S. TRANSISTOR | 2SC4081 R      | ROHM       |     | 1   |         |
| Q5        | S. TRANSISTOR | 2SA1576 R      | ROHM       |     | 1   |         |
| Q6        | S. TRANSISTOR | 2SC4081 R      | ROHM       |     | 1   |         |
| Q7        | S. TRANSISTOR | XP1214         | MATSUSHITA |     | 1   |         |
| Q8        | S. TRANSISTOR | XP1111         | MACO       |     | 1   |         |
| Q9        | S. TRANSISTOR | XP1111         | MACO       |     | 1   |         |
| Q10       | S. TRANSISTOR | XP1111         | MACO       |     | 1   |         |
| Q11       | S. TRANSISTOR | XP1111         | MACO       |     | 1   |         |
| Q17       | S. TRANSISTOR | DTC144EE       | ROHM       |     | 1   |         |
| Q18       | S. TRANSISTOR | XP1114         | MACO       |     | 1   |         |
| Q19       | S. TRANSISTOR | XP1114         | MACO       |     | 1   |         |
| Q20       | S. TRANSISTOR | XP1114         | MACO       |     | 1   |         |
| Q24       | S. FET        | 2SJ377 (TE16L) | TOSHIBA    |     | 1   |         |
| Q25       | S. TRANSISTOR | 2SC4081 R      | ROHM       |     | 1   |         |
| Q26       | S. TRANSISTOR | XP4311         | MEC        |     | 1   |         |
| Q27       | S. TRANSISTOR | XP4311         | MEC        |     | 1   |         |
| Q28       | S. TRANSISTOR | XP4311         | MEC        |     | 1   |         |
| Q29       | S. TRANSISTOR | XP4311         | MEC        |     | 1   |         |
| Q37       | S. TRANSISTOR | DTC144EE       | ROHM       |     | 1   |         |
| Q38       | S. TRANSISTOR | XP1214         | MATSUSHITA |     | 1   |         |
| Q40       | S. TRANSISTOR | DTC144EE       | ROHM       |     | 1   |         |
| Q44       | S. TRANSISTOR | DTA144EE       | ROHM       |     | 1   |         |
| Q45       | S. TRANSISTOR | 2SA1362 Y      | TOSHIBA    |     | 1   |         |
| Q48       | S. TRANSISTOR | 1M24T108       | ROHM       |     | 1   |         |
| Q49       | S. TRANSISTOR | XP4311         | MEC        |     | 1   |         |
| Q50       | S. TRANSISTOR | XP4311         | MEC        |     | 1   |         |
| D1        | S. ZENER      | PTZ36B         | ROHM       |     | 1   |         |
| D4        | S. BRIDGE     | D1UBA80        | SINDENGEN  |     | 1   |         |
| D5        | S. BRIDGE     | D1UBA80        | SINDENGEN  |     | 1   |         |
| D6        | S. DIODE      | MA2S111        | MEC        |     | 1   |         |
| D7        | S. DIODE      | MA2S111        | MEC        |     | 1   |         |
| D8        | S. DIODE      | MA2S111        | MEC        |     | 1   |         |
| D9        | S. DIODE      | MA2S111        | MEC        |     | 1   |         |
| D10       | S. DIODE      | MA2S111        | MEC        |     | 1   |         |
| D11       | S. DIODE      | MA2S111        | MEC        |     | 1   |         |
| D12       | S. DIODE      | MA2S111        | MEC        |     | 1   |         |

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|-----------|-------------|-----------------------------|-----------|-----|-----|---------|
| D13       | S. DIODE    | SB07-03C                    | SANYO     |     | 1   |         |
| D14       | S. DIODE    | MA2S077                     | MEC       |     | 1   |         |
| D15       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D16       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D17       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D18       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D19       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D20       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D21       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D22       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D23       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D24       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D25       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D26       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D27       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D28       | S. DIODE    | 1SS355                      | ROHM      |     | 1   |         |
| D29       | S. DIODE    | 1SS355                      | ROHM      |     | 1   |         |
| D33       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D38       | S. ZENER    | PTZ13B                      | ROHM      |     | 1   |         |
| D43       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D44       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D45       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| D46       | S. DIODE    | MA2S111                     | MEC       |     | 1   |         |
| X1        | S. XTAL     | CR-733 (SMD-49 4.194304MHZ) | DAISHINKU |     | 1   |         |
| X2        | S. XTAL     | CR-681                      | DAISHINKU |     | 1   |         |
| X3        | S. XTAL     | CR-505                      | DAISHINKU |     | 1   |         |
| L1        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L2        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L3        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L4        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L5        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L6        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L7        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L8        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L9        | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L10       | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| L11       | S. COIL     | BLM31PG121SN1               | MURATA    |     | 1   |         |
| R2        | S. RESISTOR | 100K ERJ3GE                 | MACO      |     | 1   |         |
| R3        | S. RESISTOR | 390K ERJ3GE                 | MACO      |     | 1   |         |
| R5        | S. RESISTOR | 15K ERJ3GE                  | MACO      |     | 1   |         |
| R6        | S. RESISTOR | 180K ERJ3GE                 | MACO      |     | 1   |         |
| R7        | S. TRIMMER  | EVM-3Y B14 10K              | MACO      |     | 1   |         |

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|-----------|-------------|----------------|-------|-----|-----|---------|
| R8        | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R9        | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R10       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R12       | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R13       | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R14       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R15       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R16       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R17       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R18       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R19       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R22       | S. RESISTOR | 10K ERJ3GE     | MACO  |     | 1   |         |
| R23       | S. RESISTOR | 330K ERJ3GE    | MACO  |     | 1   |         |
| R24       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R25       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R26       | S. RESISTOR | 15K ERJ3GE     | MACO  |     | 1   |         |
| R27       | S. RESISTOR | 5. 6K ERJ3GE   | MACO  |     | 1   |         |
| R28       | S. RESISTOR | 680 ERJ3GE     | MACO  |     | 1   |         |
| R29       | S. RESISTOR | 3. 9K ERJ3GE   | MACO  |     | 1   |         |
| R30       | S. RESISTOR | 2. 2K ERJ3GE   | MACO  |     | 1   |         |
| R31       | S. RESISTOR | 270 ERJ3GE     | MACO  |     | 1   |         |
| R32       | S. RESISTOR | 22K ERJ3GE     | MACO  |     | 1   |         |
| R33       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R34       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R35       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R36       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R37       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R40       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R48       | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R50       | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R51       | S. TRIMMER  | EVM-3Y B14 10K | MACO  |     | 1   |         |
| R52       | S. RESISTOR | 82K ERJ3GE     | MACO  |     | 1   |         |
| R53       | S. RESISTOR | 22K ERJ3GE     | MACO  |     | 1   |         |
| R54       | S. RESISTOR | 4. 7K ERJ3GE   | MACO  |     | 1   |         |
| R55       | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R56       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |
| R57       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |
| R58       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |
| R59       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |
| R60       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |
| R61       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |
| R62       | S. RESISTOR | 1M ERJ3GE      | MACO  |     | 1   |         |

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|-----------|-------------|--------------|-------|-----|-----|---------|
| R63       | S. RESISTOR | 1M ERJ3GE    | MACO  |     | 1   |         |
| R64       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R65       | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R66       | S. RESISTOR | 8. 2K ERJ3GE | MACO  |     | 1   |         |
| R67       | S. RESISTOR | 5. 6K ERJ3GE | MACO  |     | 1   |         |
| R68       | S. RESISTOR | 470 ERJ3GE   | MACO  |     | 1   |         |
| R69       | S. RESISTOR | 22K ERJ3GE   | MACO  |     | 1   |         |
| R70       | S. RESISTOR | 2. 7K ERJ3GE | MACO  |     | 1   |         |
| R71       | S. RESISTOR | 560 ERJ3GE   | MACO  |     | 1   |         |
| R72       | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R74       | S. RESISTOR | 22K ERJ3GE   | MACO  |     | 1   |         |
| R75       | S. RESISTOR | 220K ERJ3GE  | MACO  |     | 1   |         |
| R77       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R78       | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R79       | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R80       | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R81       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R82       | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R83       | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R84       | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R85       | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R86       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R87       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R88       | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R89       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R90       | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R91       | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R92       | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R94       | S. RESISTOR | 1M ERJ3GE    | MACO  |     | 1   |         |
| R95       | S. RESISTOR | 1M ERJ3GE    | MACO  |     | 1   |         |
| R96       | S. RESISTOR | 120K ERJ3GE  | MACO  |     | 1   |         |
| R97       | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R98       | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R99       | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R100      | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R101      | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R102      | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R103      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R104      | S. RESISTOR | 390K ERJ3GE  | MACO  |     | 1   |         |
| R105      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R106      | S. RESISTOR | 82K ERJ3GE   | MACO  |     | 1   |         |
| R107      | S. RESISTOR | 390K ERJ3GE  | MACO  |     | 1   |         |

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|-----------|-------------|--------------|-------|-----|-----|---------|
| R108      | S. RESISTOR | 180K ERJ3GE  | MACO  |     | 1   |         |
| R109      | S. RESISTOR | 39K ERJ3GE   | MACO  |     | 1   |         |
| R112      | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R113      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R114      | S. RESISTOR | 39K ERJ3GE   | MACO  |     | 1   |         |
| R115      | S. RESISTOR | 82K ERJ3GE   | MACO  |     | 1   |         |
| R116      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R117      | S. RESISTOR | 150K ERJ3GE  | MACO  |     | 1   |         |
| R118      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R119      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R121      | S. RESISTOR | 150K ERJ3GE  | MACO  |     | 1   |         |
| R122      | S. RESISTOR | 39K ERJ3GE   | MACO  |     | 1   |         |
| R123      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R124      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R127      | S. RESISTOR | 5. 6K ERJ3GE | MACO  |     | 1   |         |
| R128      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R129      | S. RESISTOR | 10 MCR100    | ROHM  |     | 1   |         |
| R130      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R131      | S. RESISTOR | 27K MCR50    | ROHM  |     | 1   |         |
| R137      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R138      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R139      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R140      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R141      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R143      | S. RESISTOR | 1. 8K MCR10  | ROHM  |     | 1   |         |
| R144      | S. RESISTOR | 6. 8K MCR10  | ROHM  |     | 1   |         |
| R145      | S. RESISTOR | 1. 8K MCR10  | ROHM  |     | 1   |         |
| R148      | S. RESISTOR | 470K ERJ3GE  | MACO  |     | 1   |         |
| R149      | S. RESISTOR | 1. 2K ERJ3GE | MACO  |     | 1   |         |
| R150      | S. RESISTOR | 1. 2K ERJ3GE | MACO  |     | 1   |         |
| R151      | S. RESISTOR | 47 ERJ3GE    | MACO  |     | 1   |         |
| R153      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R154      | S. RESISTOR | 39 ERJ12     | MACO  |     | 1   |         |
| R155      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R158      | S. RESISTOR | 1. 5K ERJ3GE | MACO  |     | 1   |         |
| R159      | S. RESISTOR | 1. 5K ERJ3GE | MACO  |     | 1   |         |
| R160      | S. RESISTOR | 1. 5K ERJ3GE | MACO  |     | 1   |         |
| R162      | S. RESISTOR | 22K ERJ3GE   | MACO  |     | 1   |         |
| R163      | S. RESISTOR | 1M ERJ3GE    | MACO  |     | 1   |         |
| R164      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R165      | S. RESISTOR | 120K ERJ3GE  | MACO  |     | 1   |         |
| R166      | S. RESISTOR | 330K ERJ3GE  | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS          | MAKER | VER | QTY | REMARKS |
|-----------|-------------|----------------|-------|-----|-----|---------|
| R168      | S. RESISTOR | 470 ERJ3GE     | MACO  |     | 1   |         |
| R169      | S. RESISTOR | 390K ERJ3GE    | MACO  |     | 1   |         |
| R170      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R171      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R172      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R175      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R177      | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R179      | S. RESISTOR | 150K ERJ3GE    | MACO  |     | 1   |         |
| R182      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R183      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R184      | S. RESISTOR | 1K ERJ3GE      | MACO  |     | 1   |         |
| R185      | S. RESISTOR | 12K ERJ3GE     | MACO  |     | 1   |         |
| R186      | S. RESISTOR | 12K ERJ3GE     | MACO  |     | 1   |         |
| R187      | S. RESISTOR | 2. 7K ERJ3GE   | MACO  |     | 1   |         |
| R188      | S. RESISTOR | 2. 7K ERJ3GE   | MACO  |     | 1   |         |
| R189      | S. ARRAY    | EXB28V102J 1K  | MACO  |     | 1   |         |
| R190      | S. RESISTOR | 10K ERJ3GE     | MACO  |     | 1   |         |
| R191      | S. RESISTOR | 10K ERJ3GE     | MACO  |     | 1   |         |
| R192      | S. RESISTOR | 390K ERJ3GE    | MACO  |     | 1   |         |
| R193      | S. RESISTOR | 470K ERJ3GE    | MACO  |     | 1   |         |
| R194      | S. RESISTOR | 390K ERJ3GE    | MACO  |     | 1   |         |
| R195      | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R196      | S. ARRAY    | EXB28V471J 470 | MACO  |     | 1   |         |
| R197      | S. ARRAY    | EXB28V471J 470 | MACO  |     | 1   |         |
| R198      | S. ARRAY    | EXB28V102J 1K  | MACO  |     | 1   |         |
| R199      | S. ARRAY    | EXB28V102J 1K  | MACO  |     | 1   |         |
| R200      | S. ARRAY    | EXB28V471J 470 | MACO  |     | 1   |         |
| R201      | S. ARRAY    | EXB28V102J 1K  | MACO  |     | 1   |         |
| R202      | S. ARRAY    | EXB28V471J 470 | MACO  |     | 1   |         |
| R203      | S. ARRAY    | EXB28V102J 1K  | MACO  |     | 1   |         |
| R204      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R205      | S. RESISTOR | 100K ERJ3GE    | MACO  |     | 1   |         |
| R206      | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R207      | S. RESISTOR | 680 ERJ3GE     | MACO  |     | 1   |         |
| R208      | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R209      | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R210      | S. RESISTOR | 33K ERJ3GE     | MACO  |     | 1   |         |
| R211      | S. RESISTOR | 1K ERJ3GE      | MACO  |     | 1   |         |
| R212      | S. RESISTOR | 33K ERJ3GE     | MACO  |     | 1   |         |
| R213      | S. RESISTOR | 47K ERJ3GE     | MACO  |     | 1   |         |
| R214      | S. RESISTOR | 1K ERJ3GE      | MACO  |     | 1   |         |
| R215      | S. RESISTOR | 1K ERJ3GE      | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS           | MAKER | VER | QTY | REMARKS |
|-----------|-------------|-----------------|-------|-----|-----|---------|
| R216      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R217      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R218      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R219      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R220      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R221      | S. ARRAY    | EXB28V471J 470  | MACO  |     | 1   |         |
| R222      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R223      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R224      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R225      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R227      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R228      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R229      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R230      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R231      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R232      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R233      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R234      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R235      | S. RESISTOR | 1K ERJ3GE       | MACO  |     | 1   |         |
| R236      | S. RESISTOR | 1K ERJ3GE       | MACO  |     | 1   |         |
| R237      | S. RESISTOR | 1K ERJ3GE       | MACO  |     | 1   |         |
| R238      | S. RESISTOR | 1K ERJ3GE       | MACO  |     | 1   |         |
| R239      | S. ARRAY    | EXB28V102J 1K   | MACO  |     | 1   |         |
| R240      | S. RESISTOR | 1K ERJ3GE       | MACO  |     | 1   |         |
| R241      | S. RESISTOR | 10 ERJ3GE       | MACO  |     | 1   |         |
| R242      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R243      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R245      | S. RESISTOR | 12K ERJ3GE      | MACO  |     | 1   |         |
| R246      | S. ARRAY    | EXB28V104J 100K | MACO  |     | 1   |         |
| R247      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R250      | S. ARRAY    | EXB28V104J 100K | MACO  |     | 1   |         |
| R251      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R256      | S. RESISTOR | 22 ERJ3GE       | MACO  |     | 1   |         |
| R257      | S. RESISTOR | 33K ERJ3GE      | MACO  |     | 1   |         |
| R258      | S. RESISTOR | 56K ERJ3GE      | MACO  |     | 1   |         |
| R259      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R260      | S. RESISTOR | 100K ERJ3GE     | MACO  |     | 1   |         |
| R261      | S. RESISTOR | 47K ERJ3GE      | MACO  |     | 1   |         |
| R262      | S. RESISTOR | 470 MCR50       | ROHM  |     | 1   |         |
| R263      | S. RESISTOR | 560 ERJ3GE      | MACO  |     | 1   |         |
| R264      | S. RESISTOR | 560 ERJ3GE      | MACO  |     | 1   |         |
| R265      | S. RESISTOR | 1. 2K ERJ3GE    | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS        | MAKER | VER | QTY | REMARKS |
|-----------|-------------|--------------|-------|-----|-----|---------|
| R266      | S. RESISTOR | 1K ERJ3GE    | MACO  |     | 1   |         |
| R268      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R269      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R275      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R276      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R277      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R278      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R279      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R280      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R281      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R282      | S. RESISTOR | 330K ERJ3GE  | MACO  |     | 1   |         |
| R283      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R284      | S. RESISTOR | 150K ERJ3GE  | MACO  |     | 1   |         |
| R285      | S. RESISTOR | 150K ERJ3GE  | MACO  |     | 1   |         |
| R289      | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R290      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R291      | S. RESISTOR | 68K ERJ3GE   | MACO  |     | 1   |         |
| R292      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R293      | S. RESISTOR | 82K ERJ3GE   | MACO  |     | 1   |         |
| R294      | S. RESISTOR | 82K ERJ3GE   | MACO  |     | 1   |         |
| R295      | S. RESISTOR | 56K ERJ3GE   | MACO  |     | 1   |         |
| R297      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R300      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R304      | S. RESISTOR | 1M ERJ3GE    | MACO  |     | 1   |         |
| R305      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R306      | S. RESISTOR | 22K ERJ3GE   | MACO  |     | 1   |         |
| R307      | S. RESISTOR | 560 ERJ3GE   | MACO  |     | 1   |         |
| R312      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R313      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R314      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R315      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R316      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R317      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R318      | S. RESISTOR | 1. 8K ERJ3GE | MACO  |     | 1   |         |
| R320      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R321      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R322      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R323      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R325      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R326      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R327      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R328      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS        | MAKER | VER | QTY | REMARKS |
|-----------|-------------|--------------|-------|-----|-----|---------|
| R329      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R330      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R331      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R332      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R334      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R335      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R336      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R337      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R338      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R339      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R340      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R341      | S. RESISTOR | 3. 9K ERJ3GE | MACO  |     | 1   |         |
| R342      | S. RESISTOR | 3. 9K ERJ3GE | MACO  |     | 1   |         |
| R345      | S. RESISTOR | 3. 3K ERJ3GE | MACO  |     | 1   |         |
| R346      | S. RESISTOR | 1. 2K ERJ3GE | MACO  |     | 1   |         |
| R347      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R348      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R349      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R350      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R351      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R352      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R353      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R355      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R356      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R358      | S. RESISTOR | 2. 2K ERJ3GE | MACO  |     | 1   |         |
| R359      | S. RESISTOR | 560 ERJ3GE   | MACO  |     | 1   |         |
| R367      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R368      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R369      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R370      | S. RESISTOR | 2. 2K ERJ3GE | MACO  |     | 1   |         |
| R371      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R372      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R373      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R375      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R376      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R382      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R385      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R386      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R387      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R389      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R390      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R391      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS        | MAKER | VER | QTY | REMARKS |
|-----------|-------------|--------------|-------|-----|-----|---------|
| R392      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R396      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R397      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R398      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R399      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R403      | S. RESISTOR | 4. 7K ERJ3GE | MACO  |     | 1   |         |
| R404      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R405      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R407      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R408      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R409      | S. RESISTOR | 10K ERJ3GE   | MACO  |     | 1   |         |
| R411      | S. RESISTOR | 2. 2K ERJ3GE | MACO  |     | 1   |         |
| R412      | S. RESISTOR | 47K ERJ3GE   | MACO  |     | 1   |         |
| R414      | S. RESISTOR | 2. 2K ERJ3GE | MACO  |     | 1   |         |
| R415      | S. RESISTOR | 560 ERJ3GE   | MACO  |     | 1   |         |
| R417      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R435      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R436      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R438      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R441      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R442      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R443      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R450      | S. RESISTOR | 390 MCR10    | ROHM  |     | 1   |         |
| R451      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R452      | S. RESISTOR | 4. 7 ERJ3GE  | MACO  |     | 1   |         |
| R453      | S. RESISTOR | 10 ERJ3GE    | MACO  |     | 1   |         |
| R457      | S. RESISTOR | 560 ERJ3GE   | MACO  |     | 1   |         |
| R460      | S. RESISTOR | 390 MCR10    | ROHM  |     | 1   |         |
| R461      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R462      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R463      | S. RESISTOR | 47 ERJ3GE    | MACO  |     | 1   |         |
| R464      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R466      | S. RESISTOR | 1K ERJ3GE    | MACO  |     | 1   |         |
| R469      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R470      | S. RESISTOR | 100 ERJ3GE   | MACO  |     | 1   |         |
| R471      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R472      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R473      | S. RESISTOR | 100K ERJ3GE  | MACO  |     | 1   |         |
| R474      | S. RESISTOR | 33K ERJ3GE   | MACO  |     | 1   |         |
| R475      | S. RESISTOR | 330K ERJ3GE  | MACO  |     | 1   |         |
| R476      | S. RESISTOR | 6. 8K ERJ3GE | MACO  |     | 1   |         |
| R477      | S. RESISTOR | 3. 3K ERJ3GE | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS            | MAKER | VER | QTY | REMARKS |
|-----------|-------------|------------------|-------|-----|-----|---------|
| R478      | S. RESISTOR | 4. 7K ERJ3GE     | MACO  |     | 1   |         |
| R479      | S. RESISTOR | 8. 2K ERJ3GE     | MACO  |     | 1   |         |
| R480      | S. RESISTOR | 10K ERJ3GE       | MACO  |     | 1   |         |
| R481      | S. RESISTOR | 82K ERJ3GE       | MACO  |     | 1   |         |
| R486      | S. RESISTOR | 680 MCR50        | ROHM  |     | 1   |         |
| R487      | S. RESISTOR | 560 ERJ3GE       | MACO  |     | 1   |         |
| R488      | S. RESISTOR | 2. 2K ERJ3GE     | MACO  |     | 1   |         |
| R489      | S. RESISTOR | 1K ERJ3GE        | MACO  |     | 1   |         |
| R492      | S. RESISTOR | 1. 8K ERJ3GE     | MACO  |     | 1   |         |
| R493      | S. RESISTOR | 2. 2K ERJ3GE     | MACO  |     | 1   |         |
| R494      | S. RESISTOR | 560 ERJ3GE       | MACO  |     | 1   |         |
| R495      | S. RESISTOR | 100K ERJ3GE      | MACO  |     | 1   |         |
| R496      | S. RESISTOR | 2. 2K ERJ3GE     | MACO  |     | 1   |         |
| R497      | S. RESISTOR | 4. 7K ERJ3GE     | MACO  |     | 1   |         |
| R498      | S. RESISTOR | 4. 7K ERJ3GE     | MACO  |     | 1   |         |
| R500      | S. RESISTOR | 100K ERJ3GE      | MACO  |     | 1   |         |
| R501      | S. RESISTOR | 47K ERJ3GE       | MACO  |     | 1   |         |
| R503      | S. RESISTOR | 100K ERJ3GE      | MACO  |     | 1   |         |
| R504      | S. RESISTOR | 100K ERJ3GE      | MACO  |     | 1   |         |
| R505      | S. RESISTOR | 10 ERJ3GE        | MACO  |     | 1   |         |
| R506      | S. RESISTOR | 560 ERJ3GE       | MACO  |     | 1   |         |
| R508      | S. RESISTOR | 10K ERJ3GE       | MACO  |     | 1   |         |
| R509      | S. RESISTOR | 10K ERJ3GE       | MACO  |     | 1   |         |
| R510      | S. RESISTOR | 10 ERJ3GE        | MACO  |     | 1   |         |
| R511      | S. RESISTOR | 47K ERJ3GE       | MACO  |     | 1   |         |
| R512      | S. RESISTOR | 1K ERJ3GE        | MACO  |     | 1   |         |
| R519      | S. RESISTOR | 150K ERJ3GE      | MACO  |     | 1   |         |
| R520      | S. RESISTOR | 33K ERJ3GE       | MACO  |     | 1   |         |
| R521      | S. RESISTOR | 47K ERJ3GE       | MACO  |     | 1   |         |
| R522      | S. RESISTOR | 4. 7K ERJ3GE     | MACO  |     | 1   |         |
| R523      | S. RESISTOR | 10 MCR100        | ROHM  |     | 1   |         |
| R524      | S. RESISTOR | 560 ERJ3GE       | MACO  |     | 1   |         |
| R525      | S. RESISTOR | 1K ERJ3GE        | MACO  |     | 1   |         |
| R526      | S. RESISTOR | 100K ERJ3GE      | MACO  |     | 1   |         |
| C1        | S. CERAMIC  | 1 C1608 10V B    | TDK   |     | 1   |         |
| C2        | S. CERAMIC  | 0. 0022 C1608 B  | TDK   |     | 1   |         |
| C3        | S. ELECTROL | 10 16V ECEV-S B  | MACO  |     | 1   |         |
| C4        | S. TANTALUM | 4. 7 16V MSVA    | NEC   |     | 1   |         |
| C5        | S. CERAMIC  | 1 C1608 10V B    | TDK   |     | 1   |         |
| C6        | S. CERAMIC  | 1 C1608 10V B    | TDK   |     | 1   |         |
| C7        | S. CERAMIC  | 0. 1 C1608 16V B | TDK   |     | 1   |         |
| C8        | S. CERAMIC  | 0. 1 C1608 16V B | TDK   |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS           | MAKER | VER | QTY | REMARKS |
|-----------|-------------|-----------------|-------|-----|-----|---------|
| C9        | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C10       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C11       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C12       | S. CERAMIC  | 560P C1608 CH   | TDK   |     | 1   |         |
| C13       | S. CERAMIC  | 82P C1608 CH    | TDK   |     | 1   |         |
| C14       | S. CERAMIC  | 220P C1608 CH   | TDK   |     | 1   |         |
| C15       | S. CERAMIC  | 680P C1608 CH   | TDK   |     | 1   |         |
| C16       | S. CERAMIC  | 68P C1608 CH    | TDK   |     | 1   |         |
| C17       | S. CERAMIC  | 680P C1608 CH   | TDK   |     | 1   |         |
| C18       | S. CERAMIC  | 120P C1608 CH   | TDK   |     | 1   |         |
| C20       | S. CERAMIC  | 330P C1608 CH   | TDK   |     | 1   |         |
| C23       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C24       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C25       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C26       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C27       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C28       | S. TANTALUM | 10 10V MSVA     | NEC   |     | 1   |         |
| C30       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C31       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C32       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C33       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C34       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C36       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C37       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C38       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C39       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C40       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C42       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C43       | S. CERAMIC  | 0.0022 C1608 B  | TDK   |     | 1   |         |
| C44       | S. CERAMIC  | 39P C1608 CH    | TDK   |     | 1   |         |
| C45       | S. CERAMIC  | 560P C1608 CH   | TDK   |     | 1   |         |
| C46       | S. CERAMIC  | 100P C1608 CH   | TDK   |     | 1   |         |
| C47       | S. CERAMIC  | 820P C1608 B    | TDK   |     | 1   |         |
| C48       | S. CERAMIC  | 220P C1608 CH   | TDK   |     | 1   |         |
| C49       | S. CERAMIC  | 220P C1608 CH   | TDK   |     | 1   |         |
| C50       | S. CERAMIC  | 150P C1608 CH   | TDK   |     | 1   |         |
| C51       | S. CERAMIC  | 15P C1608 CH    | TDK   |     | 1   |         |
| C52       | S. CERAMIC  | 150P C1608 CH   | TDK   |     | 1   |         |
| C53       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |
| C54       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C56       | S. CERAMIC  | 0.1 C1608 16V B | TDK   |     | 1   |         |
| C58       | S. CERAMIC  | 1 C1608 10V B   | TDK   |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS                | MAKER  | VER | QTY | REMARKS |
|-----------|-------------|----------------------|--------|-----|-----|---------|
| C59       | S. CERAMIC  | 1 C1608 10V B        | TDK    |     | 1   |         |
| C60       | S. CERAMIC  | 0.015 C1608 16V B    | TDK    |     | 1   |         |
| C61       | S. CERAMIC  | 0.015 C1608 16V B    | TDK    |     | 1   |         |
| C62       | S. CERAMIC  | 0.0047 C1608 B       | TDK    |     | 1   |         |
| C63       | S. CERAMIC  | 0.0039 C1608 B       | TDK    |     | 1   |         |
| C64       | S. CERAMIC  | 0.001 C1608 B        | TDK    |     | 1   |         |
| C66       | S. CERAMIC  | 0.012 C1608 16V B    | TDK    |     | 1   |         |
| C67       | S. CERAMIC  | 330P C1608 CH        | TDK    |     | 1   |         |
| C68       | S. CERAMIC  | 220P C1608 CH        | TDK    |     | 1   |         |
| C70       | S. CERAMIC  | 0.0015 C1608 B       | TDK    |     | 1   |         |
| C71       | S. CERAMIC  | 0.033 C1608 16V B    | TDK    |     | 1   |         |
| C72       | S. CERAMIC  | 56P C1608 CH         | TDK    |     | 1   |         |
| C74       | S. TANTALUM | 4.7 16V MSVA         | NEC    |     | 1   |         |
| C76       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C77       | S. CERAMIC  | 820P C1608 B         | TDK    |     | 1   |         |
| C78       | S. CERAMIC  | 820P C1608 B         | TDK    |     | 1   |         |
| C79       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C80       | S. CERAMIC  | 0.001 C1608 B        | TDK    |     | 1   |         |
| C83       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C84       | S. CERAMIC  | 0.001 C1608 B        | TDK    |     | 1   |         |
| C85       | S. CERAMIC  | 1 C1608 10V B        | TDK    |     | 1   |         |
| C87       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C88       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C89       | S. CERAMIC  | 0.018 C1608 16V B    | TDK    |     | 1   |         |
| C90       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C91       | S. CERAMIC  | 820P C1608 B         | TDK    |     | 1   |         |
| C92       | S. CERAMIC  | 0.0033 C1608 B       | TDK    |     | 1   |         |
| C93       | S. CERAMIC  | 0.47 C2012 16V B     | TDK    |     | 1   |         |
| C94       | S. TANTALUM | 10 10V MSVA          | NEC    |     | 1   |         |
| C95       | ELECTROL    | 470 25V HC           | SAN    |     | 1   |         |
| C96       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C97       | ELECTROL    | 470 25V HC           | SAN    |     | 1   |         |
| C98       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C99       | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C100      | ELECTROL    | 10 50V HWN           | SAN    |     | 1   |         |
| C103      | S. CERAMIC  | 0.001 GHM1030 630V R | MURATA |     | 1   |         |
| C106      | S. CERAMIC  | 0.033 C1608 16V B    | TDK    |     | 1   |         |
| C107      | S. ELECTROL | 22 16V ECEV-S C      | MACO   |     | 1   |         |
| C108      | S. CERAMIC  | 0.1 C1608 16V B      | TDK    |     | 1   |         |
| C109      | S. ELECTROL | 10 16V ECEV-S B      | MACO   |     | 1   |         |
| C110      | S. ELECTROL | 10 16V ECEV-S B      | MACO   |     | 1   |         |
| C111      | ELECTROL    | 220 6.3V HC          | SAN    |     | 1   |         |

IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS             | MAKER | VER | QTY | REMARKS |
|-----------|-------------|-------------------|-------|-----|-----|---------|
| C112      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C113      | S. CERAMIC  | 220P C1608 CH     | TDK   |     | 1   |         |
| C114      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| C115      | S. TANTALUM | 0.47 35V MSVA     | NEC   |     | 1   |         |
| C116      | S. CERAMIC  | 100P C1608 CH     | TDK   |     | 1   |         |
| C117      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C118      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C123      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C124      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C125      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C126      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| C127      | S. CERAMIC  | 0.022 C1608 16V B | TDK   |     | 1   |         |
| C128      | S. CERAMIC  | 0.01 C1608 25V B  | TDK   |     | 1   |         |
| C129      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C130      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C131      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C132      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C133      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C134      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C135      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C136      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C137      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C138      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C139      | S. CERAMIC  | 22P C1608 CH      | TDK   |     | 1   |         |
| C140      | S. CERAMIC  | 15P C1608 CH      | TDK   |     | 1   |         |
| C141      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C142      | S. CERAMIC  | 0.01 C1608 25V B  | TDK   |     | 1   |         |
| C143      | S. CERAMIC  | 0.01 C1608 25V B  | TDK   |     | 1   |         |
| C144      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C145      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C146      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C147      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C148      | S. CERAMIC  | 0.001 C1608 B     | TDK   |     | 1   |         |
| C149      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C150      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| C151      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C152      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C153      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C154      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C155      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C156      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |
| C157      | S. CERAMIC  | 47P C1608 CH      | TDK   |     | 1   |         |

IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT   | PARTS         | MAKER | VER | QTY | REMARKS |
|-----------|------------|---------------|-------|-----|-----|---------|
| C158      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C159      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C160      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C161      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C162      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C163      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C164      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C165      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C166      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C167      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C168      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C169      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C170      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C171      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C172      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C173      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C174      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C176      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C177      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C178      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C179      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C180      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C181      | S. CERAMIC | 0.001 C1608 B | TDK   |     | 1   |         |
| C182      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C184      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C185      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C186      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C187      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C188      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C189      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C190      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C191      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C192      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C193      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C194      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C195      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C197      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C198      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C199      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| C200      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| G201      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |
| G202      | S. CERAMIC | 47P C1608 CH  | TDK   |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS           | MAKER | VER | QTY | REMARKS |
|-----------|-------------|-----------------|-------|-----|-----|---------|
| G203      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G204      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G205      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G206      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G207      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G208      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G209      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G210      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G211      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G212      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G213      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G214      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G215      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G216      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G217      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G218      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G219      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G220      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G221      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G223      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G224      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G225      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G226      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G227      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G228      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G229      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G230      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G231      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G232      | S. CERAMIC  | 47P C1608 CH    | TDK   |     | 1   |         |
| G233      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G234      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G235      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G236      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G237      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G238      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G239      | ELECTROL    | 470 25V HC      | SAN   |     | 1   |         |
| G240      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G241      | S. ELECTROL | 10 16V ECEV-S B | MACO  |     | 1   |         |
| G242      | S. CERAMIC  | 39P C1608 CH    | TDK   |     | 1   |         |
| G244      | S. CERAMIC  | 0.001 C1608 B   | TDK   |     | 1   |         |
| G247      | S. ELECTROL | 47 16V ECEV-S D | MACO  |     | 1   |         |
| G248      | S. ELECTROL | 10 16V ECEV-S B | MACO  |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS             | MAKER | VER | QTY | REMARKS |
|-----------|-------------|-------------------|-------|-----|-----|---------|
| G249      | S. ELECTROL | 47 16V ECEV-S D   | MACO  |     | 1   |         |
| G250      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G251      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G252      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G253      | S. CERAMIC  | 0.001 C1608 B     | TDK   |     | 1   |         |
| G254      | S. ELECTROL | 10 16V ECEV-S B   | MACO  |     | 1   |         |
| G255      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G260      | S. CERAMIC  | 1 C1608 10V B     | TDK   |     | 1   |         |
| G261      | S. TANTALUM | 1.5 16V SVA       | NEC   |     | 1   |         |
| G262      | S. CERAMIC  | 33P C1608 CH      | TDK   |     | 1   |         |
| G263      | S. CERAMIC  | 33P C1608 CH      | TDK   |     | 1   |         |
| G264      | S. CERAMIC  | 0.001 C1608 B     | TDK   |     | 1   |         |
| G265      | S. ELECTROL | 10 16V ECEV-S B   | MACO  |     | 1   |         |
| G266      | S. CERAMIC  | 1 C1608 10V B     | TDK   |     | 1   |         |
| G270      | S. CERAMIC  | 0.022 C1608 16V B | TDK   |     | 1   |         |
| G271      | S. CERAMIC  | 0.047 C1608 16V B | TDK   |     | 1   |         |
| G272      | S. CERAMIC  | 0.0012 C1608 B    | TDK   |     | 1   |         |
| G273      | S. CERAMIC  | 0.0015 C1608 B    | TDK   |     | 1   |         |
| G274      | S. CERAMIC  | 0.033 C1608 16V B | TDK   |     | 1   |         |
| G275      | S. CERAMIC  | 0.033 C1608 16V B | TDK   |     | 1   |         |
| G276      | S. CERAMIC  | 0.0012 C1608 B    | TDK   |     | 1   |         |
| G277      | S. CERAMIC  | 0.01 C1608 25V B  | TDK   |     | 1   |         |
| G282      | S. CERAMIC  | 1 C1608 10V B     | TDK   |     | 1   |         |
| G283      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G287      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G288      | S. ELECTROL | 10 16V ECEV-S B   | MACO  |     | 1   |         |
| G289      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G290      | S. ELECTROL | 10 16V ECEV-S B   | MACO  |     | 1   |         |
| G292      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G294      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G295      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G296      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G297      | S. TANTALUM | 10 10V MSVA       | NEC   |     | 1   |         |
| G301      | S. ELECTROL | 10 16V ECEV-S B   | MACO  |     | 1   |         |
| G302      | S. ELECTROL | 10 16V ECEV-S B   | MACO  |     | 1   |         |
| G303      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G307      | S. CERAMIC  | 22P C1608 CH      | TDK   |     | 1   |         |
| G308      | S. CERAMIC  | 1 C1608 10V B     | TDK   |     | 1   |         |
| G310      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G311      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G312      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |
| G313      | S. CERAMIC  | 0.1 C1608 16V B   | TDK   |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS             | MAKER   | VER | QTY | REMARKS |
|-----------|-------------|-------------------|---------|-----|-----|---------|
| C316      | S. CERAMIC  | 1 C1608 10V B     | TDK     |     | 1   |         |
| C322      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C323      | S. CERAMIC  | 1 C1608 10V B     | TDK     |     | 1   |         |
| C325      | S. TANTALUM | 10 10V MSVA       | NEC     |     | 1   |         |
| C326      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C328      | S. TANTALUM | 10 10V MSVA       | NEC     |     | 1   |         |
| C329      | S. TANTALUM | 10 10V MSVA       | NEC     |     | 1   |         |
| C330      | S. TANTALUM | 10 10V MSVA       | NEC     |     | 1   |         |
| C332      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C335      | S. TANTALUM | 4.7 16V MSVA      | NEC     |     | 1   |         |
| C337      | S. ELECTROL | 10 16V ECEV-S B   | MACO    |     | 1   |         |
| C339      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C340      | S. CERAMIC  | 1 C1608 10V B     | TDK     |     | 1   |         |
| C341      | S. CERAMIC  | 1 C1608 10V B     | TDK     |     | 1   |         |
| C342      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C343      | S. CERAMIC  | 0.01 C1608 25V B  | TDK     |     | 1   |         |
| C345      | S. CERAMIC  | 0.001 C1608 B     | TDK     |     | 1   |         |
| C346      | S. CERAMIC  | 0.01 C1608 25V B  | TDK     |     | 1   |         |
| C347      | S. TANTALUM | 0.1 35V SVA       | NEC     |     | 1   |         |
| C361      | S. CERAMIC  | 0.001 C1608 B     | TDK     |     | 1   |         |
| C362      | S. CERAMIC  | 22P C1608 CH      | TDK     |     | 1   |         |
| C363      | S. CERAMIC  | 0.001 C1608 B     | TDK     |     | 1   |         |
| C364      | S. CERAMIC  | 22P C1608 CH      | TDK     |     | 1   |         |
| C366      | S. CERAMIC  | 22P C1608 CH      | TDK     |     | 1   |         |
| C371      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C372      | S. CERAMIC  | 68P C1608 CH      | TDK     |     | 1   |         |
| C373      | S. CERAMIC  | 0.018 C1608 16V B | TDK     |     | 1   |         |
| C375      | MYLAR       | 1 250V MMW-EF K   | RUBYCON |     | 1   |         |
| C380      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C382      | S. CERAMIC  | 22P C1608 CH      | TDK     |     | 1   |         |
| C383      | S. CERAMIC  | 22P C1608 CH      | TDK     |     | 1   |         |
| C384      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C386      | S. TANTALUM | 4.7 16V MSVA      | NEC     |     | 1   |         |
| C388      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C389      | S. CERAMIC  | 0.01 C1608 25V B  | TDK     |     | 1   |         |
| C390      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C395      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C396      | S. CERAMIC  | 1 C1608 10V B     | TDK     |     | 1   |         |
| C397      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C398      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C399      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |
| C407      | S. CERAMIC  | 0.1 C1608 16V B   | TDK     |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS             | MAKER          | VER | QTY | REMARKS |
|-----------|-------------|-------------------|----------------|-----|-----|---------|
| C408      | S. CERAMIC  | 47P C1608 CH      | TDK            |     | 1   |         |
| C409      | S. CERAMIC  | 0.0022 C1608 B    | TDK            |     | 1   |         |
| C411      | S. CERAMIC  | 100P C1608 CH     | TDK            |     | 1   |         |
| C412      | S. CERAMIC  | 0.001 C1608 B     | TDK            |     | 1   |         |
| C413      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C414      | S. CERAMIC  | 1 C1608 10V B     | TDK            |     | 1   |         |
| C415      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C416      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C417      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C418      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C419      | S. MYLAR    | 0.01 16V ECH-U    | MACO           |     | 1   |         |
| C420      | S. TANTALUM | 10 10V MSVA       | NEC            |     | 1   |         |
| C421      | S. CERAMIC  | 22P C1608 CH      | TDK            |     | 1   |         |
| C422      | S. CERAMIC  | 22P C1608 CH      | TDK            |     | 1   |         |
| C423      | S. CERAMIC  | 22P C1608 CH      | TDK            |     | 1   |         |
| C424      | S. CERAMIC  | 22P C1608 CH      | TDK            |     | 1   |         |
| C425      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C426      | S. TANTALUM | 10 10V MSVA       | NEC            |     | 1   |         |
| C427      | S. CERAMIC  | 220P C1608 CH     | TDK            |     | 1   |         |
| C428      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C429      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C430      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C431      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C432      | S. CERAMIC  | 22P C1608 CH      | TDK            |     | 1   |         |
| C433      | S. CERAMIC  | 0.001 C1608 B     | TDK            |     | 1   |         |
| C434      | S. ELECTROL | 10 16V ECEV-S B   | MACO           |     | 1   |         |
| C435      | S. CERAMIC  | 47P C1608 CH      | TDK            |     | 1   |         |
| C436      | S. CERAMIC  | 47P C1608 CH      | TDK            |     | 1   |         |
| C437      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C438      | S. CERAMIC  | 0.001 C1608 B     | TDK            |     | 1   |         |
| C439      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C440      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C441      | S. CERAMIC  | 0.47 C5750 250V B | TDK            |     | 1   |         |
| C442      | S. CERAMIC  | 1 C1608 10V B     | TDK            |     | 1   |         |
| C443      | S. CERAMIC  | 0.01 C1608 25V B  | TDK            |     | 1   |         |
| C447      | S. CERAMIC  | 1 C1608 10V B     | TDK            |     | 1   |         |
| C448      | S. TANTALUM | 2.2 16V MSVA      | NEC            |     | 1   |         |
| C449      | S. TANTALUM | 1 16V SVA         | NEC            |     | 1   |         |
| C450      | S. CERAMIC  | 0.1 C1608 16V B   | TDK            |     | 1   |         |
| C451      | S. TANTALUM | 10 10V MSVA       | NEC            |     | 1   |         |
| C452      | S. CERAMIC  | 1 C1608 10V B     | TDK            |     | 1   |         |
| RL1       | RELAY       | ATX209            | MATUSITA DENKO |     | 1   |         |

## IC-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT     | PARTS             | MAKER          | VER | QTY | REMARKS             |
|-----------|--------------|-------------------|----------------|-----|-----|---------------------|
| RL2       | RELAY        | ATX209            | MATUSITA DENKO |     | 1   |                     |
| J1        | S. CONNECTOR | 22FMN-BMTTR-A-TBT | NICHIATSU      |     | 1   |                     |
| J2        | S. CONNECTOR | 22FMN-BMTTR-A-TBT | NICHIATSU      |     | 1   |                     |
| J3        | S. CONNECTOR | 24FMN-BMTTR-A-TBT | NICHIATSU      |     | 1   |                     |
| J4        | S. CONNECTOR | 10FMN-BMTTR-A-TBT | NICHIATSU      |     | 1   |                     |
| J5        | S. CONNECTOR | B4B-PH-SM3-TB     | NICHIATSU      |     | 1   |                     |
| J6        | S. CONNECTOR | 10FMN-BMTTR-A-TBT | NICHIATSU      |     | 1   |                     |
| J7        | S. CONNECTOR | AXN330C038        | MATUSITA DENKO |     | 1   |                     |
| J8        | S. CONNECTOR | AXN330C038        | MATUSITA DENKO |     | 1   |                     |
| J9        | S. CONNECTOR | B11B-PH-SM3-TB    | NICHIATSU      |     | 1   |                     |
| J10       | S. CONNECTOR | B13B-PH-SM3-TB    | NICHIATSU      |     | 1   |                     |
| J11       | S. CONNECTOR | B13B-PH-SM3-TB    | NICHIATSU      |     | 1   |                     |
| J12       | S. CONNECTOR | B6B-ZR-SM3-TF     | NICHIATSU      |     | 1   |                     |
| J13       | S. CONNECTOR | B3B-PH-SM3-TB     | NICHIATSU      |     | 1   |                     |
| J14       | S. CONNECTOR | B3B-PH-SM3-TB     | NICHIATSU      |     | 1   |                     |
| J15       | S. CONNECTOR | B2B-PH-SM3-TB     | NICHIATSU      |     | 1   |                     |
| J16       | S. CONNECTOR | B2B-PH-SM3-TB     | NICHIATSU      |     | 1   |                     |
| F1        | FUSE         | FGB 1A            | FUJITANSHI     |     | 1   |                     |
| F2        | HOLDER       | S-N5051           | SMK            |     | 1   |                     |
| F3        | HOLDER       | S-N5051           | SMK            |     | 1   |                     |
| T1        | TRANSFOM     | 12T01             | TAMURA         |     | 1   |                     |
| T2        | TRANSFOM     | 12T01             | TAMURA         |     | 1   |                     |
| T5        | TRANSFOM     | PLA10AS1030R7R2   | MURATA         |     | 1   |                     |
| T6        | TRANSFOM     | 12T01             | TAMURA         |     | 1   |                     |
| T7        | TRANSFOM     | 12T01             | TAMURA         |     | 1   |                     |
| T8        | TRANSFOM     | 12T01             | TAMURA         |     | 1   |                     |
| W1        | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W2        | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W3        | CABLE        | OPC-886           | SONY CHEMICALS |     | 1   | LOGIC-REG CONNECT   |
| W4        | CABLE        | OPC-908           | SONY CHEMICALS |     | 1   | LOGIC-FRONT CONNECT |
| W5        | CABLE        | OPC-867           | SONY CHEMICALS |     | 1   | LOGIC-FRONT CONNECT |
| W7        | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W8        | S. JUMPER    | MCR50-JPW         | ROHM           |     | 1   |                     |
| W10       | CABLE        | OPC-912           | SONY CHEMICALS |     | 1   | LOGIC-RX CONNECT    |
| W11       | CABLE        | OPC-912           | SONY CHEMICALS |     | 1   | LOGIC-TX CONNECT    |
| W12       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W13       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W14       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W15       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W16       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W17       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |
| W18       | S. JUMPER    | ERJ3GE-JPW        | MACO           |     | 1   |                     |

IG-FR4000 LOGIC Unit Parts List

| REFERENCE | DESCRIPT    | PARTS             | MAKER    | VER | QTY | REMARKS |
|-----------|-------------|-------------------|----------|-----|-----|---------|
| W19       | S. JUMPER   | ERJ3GE-JPW        | MACO     |     | 1   |         |
| EP1       | PCB         | B-5654C (#B5654C) |          |     | 1   |         |
| EP2       | BEAD        | FRC-50-12-6.5     | TAKEUCHI |     | 1   |         |
| EP3       | E. OTHER    | FRC-WC1           | TAKEUCHI |     | 1   |         |
| DA1       | DATA        | FX-2368A FIRM     |          |     | 1   |         |
| R529      | S. RESISTOR | 4.7K ERJ3GE       | MACO     |     | 1   |         |