

| Product Type            | Product Name | Cross Reference (Pin to Pin) |           | Cross Reference (Function) |         | Descriptions                         |
|-------------------------|--------------|------------------------------|-----------|----------------------------|---------|--------------------------------------|
|                         |              | Name                         | Company   | Name                       | Company |                                      |
| <b>LDO/ULDO</b>         | SA1084       | AZ1084                       | BCD       |                            |         | 5A Low Drop-out Voltage Regulator    |
|                         | SA1085       | AZ1085                       | BCD       |                            |         | 3A Low Drop-out Voltage Regulator    |
|                         | SA1117       | AZ1117                       | BCD       |                            |         | 1A Low Drop-out Voltage Regulator    |
|                         | SA1117-1.2   | FAN1112                      | FAIRCHILD |                            |         |                                      |
|                         | SA1117B      | AZ1117B                      | BCD       |                            |         | 800mA Low Drop-out Voltage Regulator |
|                         | SA1117B-1.2  | RT9163                       | RICHTECH  |                            |         |                                      |
|                         | SA278RXXF    | KA278RXXC                    | FAIRCHILD |                            |         | 2A Low Drop-out Voltage Regulator    |
|                         |              | KIA278RXXPI                  | KEC       |                            |         |                                      |
|                         | SA378RXXF    | KA378RXXC                    | FAIRCHILD |                            |         | 3A Low Drop-out Voltage Regulator    |
|                         |              | KIA378RXXPI                  | KEC       |                            |         |                                      |
|                         | SA78RXXF     | KA78RXXC                     | FAIRCHILD |                            |         | 1A Low Drop-out Voltage Regulator    |
|                         |              | KIA78RXXPI                   | KEC       |                            |         |                                      |
|                         | SA278RXXD    | KIA278RXXF                   | KEC       |                            |         | 2A Low Drop-out Voltage Regulator    |
|                         | SA378RXXD    | KIA378RXXF                   | KEC       |                            |         | 3A Low Drop-out Voltage Regulator    |
|                         | SA78RXXD     | KIA78RXXF                    | KEC       |                            |         | 1A Low Drop-out Voltage Regulator    |
| <b>LED color screen</b> | SD16729      | MBI5024/5026                 | MBI       |                            |         | 16-Bit Constant Current LED Driver   |
|                         | SD16730      | MBI5168                      | MBI       |                            |         | 8-Bit Constant Current LED Driver    |
|                         | SD16739      | MBI5024                      | MBI       |                            |         | 16-Bit Constant Current LED Driver   |
|                         |              | SM16126                      | SUNMOON   |                            |         |                                      |

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|              |                                                   | Name                         | Company           | Name                                 | Company                      |                                                                                          |
| AC-DC        | SD484X                                            |                              |                   | DM0X65                               | FAIRCHILD                    | Green Mode PWM Controller                                                                |
|              |                                                   |                              |                   | KA0X65                               | FAIRCHILD                    |                                                                                          |
|              |                                                   |                              |                   | TOPSWITCH                            | PI                           |                                                                                          |
|              | SD4851DD3<br>SD4851DD35<br>SD4851DD4<br>SD4851DD5 |                              |                   | AP3706                               | BCD                          | Primary Side Controller for Off-line Switch Mode Power Supply with Built-In Power MOSFET |
|              |                                                   |                              |                   | LNK603-606/61<br>3-616 series        | PI                           |                                                                                          |
|              |                                                   |                              |                   | IW1690/IW1692                        | IWATT                        |                                                                                          |
|              |                                                   | SD4870                       | OB2263            | ON-BRIGHT                            |                              |                                                                                          |
|              | LD7550/<br>LD7535                                 |                              | LEADTREND         |                                      |                              |                                                                                          |
|              | SG6848                                            |                              | SYSTEM<br>GENERAL |                                      |                              |                                                                                          |
|              | SD6852                                            |                              |                   | AP3706<br>ACT361<br>LNK632<br>IW1690 | BCD<br>Active<br>PI<br>Iwatt | Primary Side Control SMPS with Built-In High Voltage Transistor                          |

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|              |              | Name                         | Company                              | Name                       | Company                           |                                                                                   |
| DC-DC        | SD46520      | MPS1410                      | MPS                                  |                            |                                   | 400kHz 2A Step-down DC-DC Converter                                               |
|              |              | ACT4060                      | ACTIVE-SEMI                          |                            |                                   |                                                                                   |
|              | SC46208      | RT8008                       | RICHTEK                              |                            |                                   | 1.5MHz 600mA Synchronous Step-down DC-DC Converter                                |
|              | SC46166      | RT9266                       | RICHTEK                              |                            |                                   | 500kHz 300mA Step-up DC-DC Converter                                              |
|              | SD45215/6    |                              |                                      | XL4002                     | XLSEMI                            | 30V buck DC-DC converter for car charger                                          |
|              |              |                              |                                      | ACT4515                    | Active-Semi                       |                                                                                   |
|              |              |                              |                                      | MP2492                     | Monolithic Power System Inc., MPS |                                                                                   |
|              |              |                              |                                      | AX3015                     | Axelite                           |                                                                                   |
|              | SD46524      | MP1482                       | MPS                                  |                            |                                   | 400kHz 2A Synchronous Step-Down DC-DC Converter                                   |
| PFC          | SA7527       | KA7527                       | FAIRCHILD                            |                            |                                   | Power Factor Correction Controller of Critical Ducting                            |
|              | SD7528       | L6562A                       | ST                                   |                            |                                   | Power Factor Correction Controller of Critical Ducting                            |
| PC power     | SC6105       | SG6105                       | SG                                   |                            |                                   | Voltage Mode PWM Power Supply with Built-in supervisor, protection and regulation |
|              | SD6109       | SG6105                       | SG                                   |                            |                                   | Voltage Mode PWM Power Supply with Built-in supervisor, protection and regulation |
|              | SD6120       | CM6800                       | Champion Microelectronic Corporation |                            |                                   | PFC+PWM SMPS Controller                                                           |

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|                                          |              | Name                         | Company       | Name                                   | Company                                            |                                                    |
| <b>LED lighting/LED Backlight driver</b> | SD42351      | AM7135                       | ADD MICROTECH |                                        |                                                    | 350mA White Single LED Driver                      |
|                                          | SD42899      | HV9910                       | SUPETEX       |                                        |                                                    | High Voltage High Brightness LED Driver            |
|                                          | SD42524      |                              |               | PT4115<br>Zxld1360<br>QX5241<br>LM3402 | POWTECH<br>ZETEX<br>QXMD<br>NATIONAL SEMICONDUCTOR | 1A High Power LED Driver with 6~36V Input          |
|                                          | SD6854       |                              |               | AP3706<br>AP3768<br>AP3708             | BCD                                                | Primary Side Control SMPS                          |
|                                          | SD6856       |                              |               | AP3703                                 | BCD                                                | Primary side control LED driver                    |
| <b>LI+ battery Protection IC</b>         | SA45141      | MN1414                       | MITSUMI       | R5460                                  | RICOH                                              | Three or Four-Cell Li+ Battery Protection Circuit  |
|                                          | SA1412       | MM1412                       | MITSUMI       |                                        |                                                    | Two-Cell Li+ Battery Protection Circuit            |
| <b>Audio power amplifier</b>             | SA1622       | CXA1622                      | SONY          |                                        |                                                    | Audio Pre-Amplifier & Power Amplifier (110mW x 2 ) |
|                                          | SA7412       | AN17812                      | PANASONIC     |                                        |                                                    | 2-Ch Audio Power Amplifier (1W×2)                  |
|                                          | SA7496L      | TDA7496L                     | ST            |                                        |                                                    | 2-Ch Audio Power Amplifier (2W×2)                  |
|                                          | SA7411       | AN17811                      | PANASONIC     |                                        |                                                    | 1-Ch Audio Power Amplifier (1W)                    |
|                                          | SC7422       | PT2300                       | PTC           |                                        |                                                    | 2-Ch Audio Power Amplifier (2W×2)                  |
|                                          | SA7454       | TDA1517P                     | ST            |                                        |                                                    | 2-Ch Audio Power Amplifier (6W×2)                  |
|                                          | SD7408       |                              |               | TPA3008                                | TI                                                 | 2×10W Class-D Audio Power Amplifier                |
|                                          |              |                              |               | TDA7491                                | ST                                                 |                                                    |
| <b>Audio amplifier</b>                   | SA2011       | TA2011                       | TOSHIBA       |                                        |                                                    | MIC AMP IC                                         |

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|                                 |              | Name                         | Company | Name                       | Company |                                                                                             |
| <b>Multi-media audio system</b> | SC5358       | PT2258                       | PTC     |                            |         | 6-Ch Electronic Volume Controller                                                           |
|                                 | SC7312       | PT2312                       | PTC     |                            |         | 4-Ch Output Stereo Audio Processor with 4 Stereo Inputs and Tone/Volume Control             |
|                                 | SC7313       | PT2313                       | PTC     |                            |         | 4-Ch Output Stereo Audio Processor with 3 stereo Inputs and Tone/Volume Control             |
|                                 | SC7314       | PT2314                       | PTC     |                            |         | 4-Ch Output Stereo Audio Processor with 4 Stereo Inputs and Tone/Volume Control             |
|                                 | SC9153       | PT2153                       | PTC     |                            |         | 2-Ch Electronic Volume Controller                                                           |
|                                 | SC9235       | TC9235                       | TOSHIBA |                            |         | 2-Ch Electronic Volume Controller used Keypress with Loudness Control                       |
| <b>TV/Video Circuit</b>         | SC8113       | SAA7113                      | NXP     |                            |         | 9-Bit Video Input Processor                                                                 |
|                                 | SA9801       | TDA9801                      | NXP     |                            |         | Single Standard VIF-PLL Demodulator And FM-PLL Detector                                     |
|                                 | SD9885       | TDA9885                      | NXP     |                            |         | I <sup>2</sup> C-Bus Controlled Single And Multistandard Alignment-Free IF-PLL Demodulators |
|                                 | SD9886       | TDA9886                      | NXP     |                            |         | I <sup>2</sup> C-Bus Controlled Single And Multistandard Alignment-Free IF-PLL Demodulators |
| <b>TV RF Modulator</b>          | SD1372       | TA1372FNG                    | TOSHIBA |                            |         | Audio/Video RF Modulator for VHF Band                                                       |

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|                                           |              | Name                         | Company | Name                       | Company |                                                                                           |
| <b>Remote Control Encoder And Decoder</b> | SC5262       | PT2262                       | PTC     |                            |         | 3 <sup>12</sup> Address Remote Control Encoder                                            |
|                                           | SC5272       | PT2272                       | PTC     |                            |         | Remote Control Decoder Paired with SC5262                                                 |
|                                           | SC5240       | PT2240B                      | PTC     |                            |         | Encoder circuit with 2 <sup>20</sup> coding modes                                         |
| <b>CD/DVD optical pick-up driver</b>      | SA1469       | MM1469                       | MITSUMI |                            |         | 4-Ch BTL Driver for CD Player with 3.3V output                                            |
|                                           | SA5624       | BA5954                       | ROHM    |                            |         | Actuator Driver with Current Feedback for CD-ROM/DVD                                      |
|                                           | SA5664       | BA6664                       | ROHM    |                            |         | 3-Phase Spindle Motor Driver for CD-ROM                                                   |
|                                           | SA5810       | BA5810                       | ROHM    |                            |         | 5-Ch BTL Driver for CD / DVD Player with Energy Saving Control                            |
|                                           | SA5888       | AM5888                       | AMTEK   |                            |         | 5-Ch BTL Driver for DVD Player with Disc Bidirectional Driver and Two Variable Regulators |
|                                           | SA5954       | BA5954                       | ROHM    |                            |         | 4-Ch BTL Driver for DVD Player with two current feedback                                  |
|                                           | SA9258       | KA9258                       | SAMSUNG |                            |         | 4-Ch BTL Driver for CD Player with 5V output                                              |
|                                           | SA9259       | KA9259                       | SAMSUNG |                            |         | 5-Ch BTL Driver for CD Player with 5V output                                              |
|                                           | SA1466       | AM5766                       | AMTEK   |                            |         | 5-Ch CD Player OPU Driver With a Tray Driver And 2 Adjustable Regulators                  |

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|                                                   |              | Name                         | Company | Name                       | Company |                                                                      |
| <b>Fixed code remote control transmitter</b>      | SC3010       | PT2211                       | PTC     |                            |         | Infrared Remote Control Transmitter of RC5 Code Format               |
|                                                   | SC6121       | PT2221                       | PTC     |                            |         | Infrared Remote Control Transmitter of NEC Code Format               |
|                                                   | SC6122       | PT2222                       | PTC     |                            |         | Infrared Remote Control Transmitter of NEC Code Format               |
| <b>FM/AM tuner stereo demodulator</b>             | SA2003       | TA2003                       | TOSHIBA |                            |         | AM/FM Radio Receiver                                                 |
|                                                   | SA2104       | TA2104                       | TOSHIBA |                            |         | 3V AM/FM+MPX Tuner IC (for Digital Tuning System)                    |
|                                                   | SA2111       | TA2111                       | TOSHIBA |                            |         | 3V AM/FM+MPX Tuner IC(for Mechanical Tuning System)                  |
|                                                   | SA2132       | TA2132                       | TOSHIBA |                            |         | AM/FM Radio Receiver                                                 |
|                                                   | SC1088       | TDA7088                      | PHILIPS |                            |         | Auto Search Tuning FM Radio Receiver                                 |
| <b>DTS/PLL/Frequency display circuit</b>          | SC72131      | LC72131                      | SANYO   |                            |         | PLL for Digital Tuning System(DTS)                                   |
|                                                   | SC9257       | TC9257                       | TOSHIBA |                            |         | PLL for Digital Tuning System(DTS)                                   |
|                                                   | SC9318       | TC9318                       | TOSHIBA |                            |         | Portable Electronic Radio Controller with Built-in 4-bit MCU and PLL |
| <b>LED/LCD/VFD driver</b>                         | SC16313      | PT6313                       | PTC     |                            |         | VFD Controller/Driver                                                |
|                                                   | SC16315      | PT6315                       | PTC     |                            |         | VFD Controller/Driver                                                |
|                                                   | SC16458      | PT6958                       | PTC     |                            |         | LED Driver IC (10 x 4 segments)                                      |
|                                                   | SC75823      | LC75823                      | SANYO   |                            |         | 1/3 Duty General-Purpose LCD Driver (156 Segments)                   |
|                                                   |              | PT6523                       | PTC     |                            |         |                                                                      |
| <b>Electronic Fan Control Transmitter Circuit</b> | SC8206       | BEC8206                      | CMS     |                            |         | Fan Remote Control Decoder used together with SC5104                 |
|                                                   | SC8207       | BEC8207                      | CMS     |                            |         | Fan Remote Control Decoder used together with SC5104                 |

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|                                                     |              | Name                         | Company      | Name                       | Company  |                                                             |
| <b>Toy car remote control transmitter /receiver</b> | RX-2B        |                              |              | RX2                        | RELTEAK  | Toy Car Remote Control Receiver with Five Functions         |
|                                                     | RX-2C        |                              |              | RX2                        | RELTEAK  | Toy Car Remote Control Receiver with Five Functions         |
|                                                     | TX-2B        |                              |              | TX2                        | RELTEAK  | Toy Car Remote Control Receiver with Five Functions         |
| <b>Remote control encoder and decoder</b>           | SC5262       | PT2262                       | PTC          |                            |          | 3 <sup>12</sup> Address Remote Control Encoder              |
|                                                     | SC5272       | PT2272                       | PTC          |                            |          | Remote Control Decoder Paired with SC5262                   |
| <b>Multi-meter circuits</b>                         | SC7001Q      | KAD7001Q                     | SAMSUNG      |                            |          | 3 <sup>3/4</sup> Digits LCD Display, 3260-Count A/D for DMM |
|                                                     | SC7106       | ICL7106                      | INTERSIL     |                            |          | 3 <sup>1/2</sup> Digits LCD Display, A/D Converter for DMM  |
|                                                     | SC9711       | FSC9711                      | FUTURE       |                            |          | MCU Embedded A/D Converter for DMM(33/4 DIGITS)             |
| <b>DC motor driver</b>                              | SA1510       | EMD820                       | ELITE        |                            |          | DC Motor Driver for Electromotion Toy Car                   |
|                                                     | SA276        | ATS276                       | ATC          |                            |          | Brush-less DC-Fan Driver with On-Chip Hall Sensor           |
|                                                     | SD1561       | LB11961                      | SANYO        |                            |          | Single-Phase Full-Wave Driver For Fan Motor                 |
|                                                     | SD1579       | US76A                        | Melexis      |                            |          | Hall IC Fan Motor Driver                                    |
|                                                     |              | AH284                        | Diodes       |                            |          |                                                             |
|                                                     | SD1501       | FD2H001                      | Feeling tech | Tle4913                    | Infineon | Low-Power Hall Switch                                       |
|                                                     | SD1502       | S41                          | Honeywell    | US1881                     | Melexis  | Switched Hall Latch                                         |
| <b>Calculator IC</b>                                | SC3449       |                              |              | FX 82-TL                   | CASIO    | Programmable Calculator with 10-bit Dual Display            |