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| Eval Board Name | SI5344-D-EB |
| Revision | 3.3 |

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| CreationDate |
| 4/14/2016 |

| NI | Quantity | Reference | Value | Rating | Voltage | Tolerance | Type | PCB Footprint | ManufacturerPN | Manufacturer |
|----|----------|---|---------------------|--------|---------|-----------|--------------|--------------------|------------------|--------------------|
| | 17 | C1 C2 C3 C4 C5 C7 C8 C9 C10 C15 C17 C20 C23 C25 C27 C30 C33 | 1.0uF | | 6.3V | ±10% | X5R | C0402 C0402L | C0402X5R6R3-105K | Venkel |
| | 8 | C11 C16 C18 C24 C26 C32 C34 C38 | 10uF | | 6.3V | ±20% | X5R | C0603 C0603L | C0603X5R6R3-106M | Venkel |
| | 13 | C12 C13 C14 C19 C21 C22 C28 C29 C31 C35 C36 C37 C92 | 0.1uF | | 10V | ±10% | X7R | C0402 C0402L | C0402X7R100-104K | Venkel |
| | 8 | C39 C40 C43 C45 C46 C50 C51 C81 | 0.1uF | | 16V | ±20% | X7R | C0603 | C0603X7R160-104M | Venkel |
| | 14 | C41 C42 C47 C49 C52 C68 C69 C72 C76 C77 C78 C85 C87 C89 | 1uF | | 16V | ±10% | X7R | C0603 | C0603X7R160-105K | Venkel |
| | 6 | C44 C62 C65 C71 C74 C83 | 4.7uF | | 10V | ±20% | X7R | C1206 | C1206X7R100-475M | Venkel |
| | 6 | C48 C63 C66 C75 C84 C88 | 10uF | | 25V | ±20% | TANT | C6032 | T491C106M025ZT | Kemet |
| | 6 | C64 C67 C70 C73 C82 C86 | 0.01uF | | 16V | ±20% | X7R | C0603 | C0603X7R160-103M | Venkel |
| | 1 | C79 | 1nF | | 50V | ±5% | C0G | C0603 | C0603C0G500-102J | Venkel |
| | 1 | C80 | 33uF | | 10V | ±10% | TANT | C6032 | T491C336K010AT | Kemet |
| | 1 | D10 | SP0503BAHT | 300mW | 20V | | TVS | SOT143-AKKK SOT143 | SP0503BAHTG | Littlefuse |
| | 3 | D11 D12 D13 | Green | 20mA | 3.4V | | SMT, ChipLED | LED-HSMX-C170 | HSMQ-C170 | Avago Technologies |
| | 3 | D5 D7 D8 | Blue | 20mA | 3.4V | | SMT, ChipLED | LED-HSMX-C170 | HSMR-C170 | Avago Technologies |
| | 1 | FB1 | 22 Ohm | 6000mA | | | SMT | L0805 | BLM21PG220SN1 | MuRata |
| | 18 | J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16 J25 J26 | SMA | | | | SMA | SMA-EDGE-3 | 142-0701-801 | Johnson Components |
| | 1 | J17 | HEADER 5x2 | | | | Header | CONN2X5 | TSW-105-07-T-D | Samtec |
| | 2 | J18 J19 | HEADER 1x1 | | | | Header | HDR1X1 | TSW-101-07-T-S | Samtec |
| | 1 | J21 | USB Type B | | | | USB | CONN-USB-B | 292304-1 | Tyco |
| | 1 | J22 | 5X2 Shrouded Header | | | | Shrouded | CONN2X5-4W | 5103309-1 | Tyco |
| | 5 | JP1 JP2 JP3 JP4 JP13 | Header 1x2 TH | | | | Header | CONN1X2 | TSW-102-07-G-S | Samtec |
| | 1 | JP5 | HEADER 1x3 | | | | Header | CONN-1X3 | TSW-103-07-T-S | Samtec |

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| | 1 | LB1 | SI5344-D-EB | | | | POLYIMIDE, WHITE | PTL-14-477 | LABEL-SI5344-D-EB | Silabs |
| | 4 | MH1 MH6 MH7 MH8 | 4-40 | | | | HDW | MH-125NP MH-125 | NSS-4-4-01 | Richco Plastic Co |
| | 1 | PCB1 | SI5344-EB REV 3.0 | | | | BARE PCB | N/A | SI5344-EB REV 3.0 | SiLabs |
| | 16 | R1 R44 R45 R47 R56 R57 R61 R155 R156 R157 R158 R159 R160 R161 R162 R163 | 0 | 1A | | | ThickFilm | R0603 R0603L | CR0603-16W-000 | Venkel |
| | 8 | R102 R103 R108 R114 R122 R123 R133 R140 | 10K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1002F | Venkel |
| | 5 | R105 R106 R116 R119 R134 | 1.0 | 1/10W | | ±1% | ThickFilm | R0603 | CR0603-10W-1R00F | Venkel |
| | 4 | R107 R109 R125 R136 | 4.42K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-4421F | Venkel |
| | 4 | R110 R112 R126 R137 | 9.53K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-9531F | Venkel |
| | 5 | R111 R113 R127 R138 R142 | 5.90K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-5901F | Venkel |
| | 2 | R117 R121 | 8.06 | 1/2W | | ±0.1% | ±50PPM | R2010 | TFCR2010-2W-C-8R06B | Venkel |
| | 1 | R128 | 11.5K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1152F | Venkel |
| | 1 | R129 | 8.06K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-8061F | Venkel |
| | 1 | R130 | 5.36K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-5361F | Venkel |
| | 1 | R135 | 3.01 | 1/2W | | ±0.1% | ±50PPM | R2010 | TFCR2010-2W-C-3R01B | Venkel |
| | 10 | R18 R19 R26 R27 R34 R36 R40 R41 R144 R149 | 49.9 | 1/16W | | ±1% | ThickFilm | R0402 R0402L | CR0402-16W-49R9F | Venkel |
| | 5 | R2 R3 R4 R5 R12 | 0 | 2A | | | ThickFilm | R0805 | CR0805-10W-000 | Venkel |
| | 14 | R20 R22 R24 R28 R30 R32 R35 R38 R145 R146 R147 R148 R166 R168 | 0 | 1A | | | ThickFilm | R0402 R0402L | CR0402-16W-000 | Venkel |
| | 1 | R48 | 100 | 1/10W | | ±1% | ThickFilm | R0603 R0603L | CR0603-10W-1000F | Venkel |
| | 4 | R65 R71 R73 R74 | 1K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1001F | Venkel |
| | 9 | R66 R67 R70 R101 R104 R120 R124 R132 R139 | 10.0K | 1/10W | | ±0.1% | ±25PPM | R0603 | ERA-3AEB103V | Panasonic |
| | 1 | R68 | 17.4K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1742F | Venkel |

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| | 21 | R7 R8 R9 R10 R11 R15 R16 R17 R49 R50 R51 R52 R53 R54 R55 R62 R63 R69 R72 R115 R154 | 2.49K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-2491F | Venkel |
| | 4 | R99 R100 R118 R131 | 30.1 | 1/4W | | ±0.1% | ±25PPM | R1206 | TFCR1206-4W-E-30R1B | Venkel |
| | 1 | S1 | SW PUSHBUTTON | 50mA | 12Vdc | | Tactile | SW4N6.5X4.5-PB | 101-0161-EV | Mountain Switch |
| | 4 | SO1 SO2 SO3 SO4 | STANDOFF | | | | HDW | | 1902D | Keystone Electronics |
| | 1 | U1 | Si5344 | | | | Timing | QFN44M7X7P0.5E5.3 | Si5344A-D-GM | SiLabs |
| | 1 | U11 | MAX8869 | 1A | | | LDO | TSSOP16N6.5P0.65E | MAX8869EUE50 | Maxim |
| | 1 | U13 | PCA9535CPW | | | | I2C | TSSOP24N6.4P0.65 | PCA9535CPW | NXP |
| | 1 | U15 | TPS79501 | 500mA | | | LDO | DFN8N3.0P0.65E2.4X1.65 | TPS79501DRBT | TI |
| | 1 | U2 | PCA9517D | | | | I2C | SO8N6.0P1.27 | PCA9517D | NXP |
| | 1 | U3 | C8051F380 | | | | MCU | QFP48N9X9P0.5 | CF380P0997AGQ | SiLabs |
| | 1 | U4 | DS2411 | | | | | SOJ6N4.45P1.27 | DS2411P+ | Maxim |
| | 1 | U5 | AD8628 | | 5V | | OPAMP | SOT23-5N | AD8628AUJ-R2 | Analog Devices |
| | 2 | U6 U7 | ADG728 | | 2.7-5.5V | | | TSSOP16N6.4P0.65 | ADG728BRUZ | Analog Devices |
| | 5 | U8 U9 U10 U12 U14 | TPS76201 | 100mA | | | LDO | SOT5N2.8P0.95 | TPS76201DBV | TI |
| | 1 | Y1 | CX3225SB48000 | | | | Quartz | XTAL4N3.2X2.5-CX3225SB | CX3225SB48000D0FPJC1 | Kyocera |

Not Installed Components

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|----|----------|---|---------------|--------|---------|-----------|--------------|-----------------|------------------|--------------------|
| NI | 5 | C58 C59 C61 C93 C94 | 0.1uF | | 10V | ±10% | X7R | C0402 C0402L | C0402X7R100-104K | Venkel |
| NI | 1 | C60 | 6.8pF | | 25V | ±0.5pF | C0G | C0402 C0402L | C0402C0G2506R8D | Venkel |
| NI | 2 | C95 C96 | 1nF | | 50V | ±5% | C0G | C0402 | C0402C0G500-102J | Venkel |
| NI | 1 | C97 | 1.0uF | | 6.3V | ±10% | X5R | C0402 C0402L | C0402X5R6R3-105K | Venkel |
| NI | 9 | D1 D2 D3 D4 D6 D14 D15 D16 D17 | Blue | 20mA | 3.4V | | SMT, ChipLED | LED-HSMX-C170 | HSMR-C170 | Avago Technologies |
| NI | 1 | D9 | RED | 25mA | 1.9V | | SMT, ChipLED | LED-HSMX-C170 | HSMC-C170 | Avago Technologies |
| NI | 1 | FB3 | 600 Ohm | 1A | | | SMT | L0603 | MPZ1608S601A | TDK Corporation |
| NI | 1 | J20 | CONN TRBLK 2 | 24A | | | TERM BLK | CONN-TB-1711026 | 1711026 | PHOENIX CONTACT |
| NI | 5 | JP16 JP17 JP20 JP21 JP24 | HEADER 1x3 | | | | Header | CONN-1X3 | TSW-103-07-T-S | Samtec |
| NI | 13 | JP6 JP7 JP8 JP9 JP10 JP11 JP12 JP14 JP15 JP18 JP19 JP22 JP23 | Header 1x2 TH | | | | Header | CONN1X2 | TSW-102-07-G-S | Samtec |

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| NI | 10 | R21 R23 R25 R29 R31 R33 R37 R39 R165 R167 | 10K | 1/16W | | ±1% | ThickFilm | R0402 R0402L | CR0402-16W-1002F | Venkel |
| NI | 7 | R42 R43 R46 R58 R59 R60 R164 | 0 | 1A | | | ThickFilm | R0603 R0603L | CR0603-16W-000 | Venkel |
| NI | 7 | R6 R13 R14 R77 R78 R79 R80 | 0 | 2A | | | ThickFilm | R0805 | CR0805-10W-000 | Venkel |
| NI | 5 | R64 R83 R84 R85 R86 | 2.49K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-2491F | Venkel |
| NI | 10 | R89 R90 R91 R93 R97 R98 R143 R150 R151 R152 | 0 | 1A | | | ThickFilm | R0402 R0402L | CR0402-16W-000 | Venkel |
| NI | 2 | TP1 TP2 | BLUE | | | | Loop | TESTPOINT | 151-205-RC | Kobiconn |
| NI | 10 | TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 | RED | | | | Loop | TESTPOINT | 151-207-RC | Kobiconn |
| NI | 1 | X1 | 26MHz | | | | TCXO | OSC4N2.0X1.6-KT2016 | KT2016A26000AGU33NAN | Kyocera |