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| Eval Board Name | SI5345-EB |
| Revision | 1.1 |

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| CreationDate |
| 6/12/2014 |

| NI | Quantity | Reference | Value | Rating | Voltage | Tolerance | Type | PCB Footprint | ManufacturerPN | Manufacturer |
|----|----------|--|---------------------|--------|---------|--------------|--------------|-----------------|-----------------------|--------------------|
| | 8 | C1 C5 C6 C10 C11 C15 C16 C20 | 10uF | | 6.3V | ±20% | X5R | C0603 C0603L | C0603X5R6R3-106M | Venkel |
| | 45 | C2 C3 C4 C7 C8 C9 C12 C13 C14 C17 C19 C21 C23 C25 C27 C29 C31 C33 C35 C38 C41 C43 C45 C47 C49 C51 C57 C59 C61 C63 C77 C80 C81 C99 C160 C161 C162 C164 C165 C166 C168 C170 C172 C174 C176 | 0.1uF | | 10V | ±10% | X7R | C0402 C0402L | C0402X7R100-104K | Venkel |
| | 12 | C69 C70 C71 C72 C73 C74 C75 C76 C78 C79 C82 C83 | 1.0uF | | 6.3V | ±10% | X5R | C0402 C0402L | C0402X5R6R3-105K | Venkel |
| | 12 | C84 C88 C117 C121 C125 C129 C133 C137 C141 C145 C149 C153 | 0.01uF | | 16V | ±20% | X7R | C0603 | C0603X7R160-103M | Venkel |
| | 13 | C85 C89 C100 C118 C122 C126 C130 C134 C138 C142 C146 C150 C154 | 4.7uF | | 10V | ±20% | X7R | C1206 | C1206X7R100-475M | Venkel |
| | 12 | C86 C104 C119 C123 C127 C131 C135 C139 C143 C147 C151 C155 | 10uF | | 25V | ±20% | TANT | C6032 | T491C106M025ZT | Kemet |
| | 19 | C87 C90 C94 C96 C101 C105 C120 C124 C128 C132 C136 C140 C144 C148 C152 C156 C157 C158 C163 | 1uF | | 16V | ±20% | X7R | C0805 | C0805X7R160-105M | Venkel |
| | 13 | C91 C92 C93 C95 C97 C102 C103 C106 C107 C108 C109 C115 C116 | 0.1uF | | 16V | ±10% | X7R | C0805 | C0805X7R160-104K | Venkel |
| | 5 | D11 D12 D22 D26 D27 | Blue | 20mA | 3.4V | | SMT, ChipLED | LED-HSMX-C170 | HSMR-C170 | Avago Technologies |
| | 2 | D21 D24 | Green | 20mA | 3.4V | | SMT, ChipLED | LED-HSMX-C170 | HSMQ-C170 | Avago Technologies |
| | 1 | D25 | RED | 25mA | 1.9V | | SMT, ChipLED | LED-HSMX-C170 | HSMC-C170 | Avago Technologies |
| | 1 | D28 | SP0503BAHT | 300mW | 20V | | TVS | SOT143-AKKK | SP0503BAHTG | Littlefuse |
| | 1 | FB2 | 22 Ohm | 6000mA | | | SMT | L0805 | BLM21PG220SN1 | MuRata |
| | 28 | J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16 J19 J20 J21 J22 J23 J24 J29 J30 J41 J42 J43 J44 | SMA | | | | SMA | SMA-EDGE-3 | 142-0701-801 | Johnson Components |
| | 2 | J33 J34 | CONN TRBLK 2 | 24A | | | TERM BLK | CONN-TB-1711026 | 1711026 | PHOENIX CONTACT |
| | 1 | J36 | HEADER 5x2 | | | | Header | CONN2X5 | TSW-105-07-T-D | Samtec |
| | 1 | J37 | USB Type B | | | | USB | CONN-USB-B | 61729-0010BLF | FCI |
| | 1 | J38 | 5X2 Shrouded Header | | | | Shrouded | CONN2X5-4W | 5103309-1 | Tyco |
| | 2 | J39 J40 | SMA | | | | SMA | CONN-SMA-ST | 142-0701-201 | Johnson Components |
| | 2 | JP15 JP16 | HEADER 1x3 | | | | Header | CONN-1X3 | TSW-103-07-T-S | Samtec |
| | 8 | JP2 JP4 JP5 JP6 JP7 JP9 JP10 JP14 | Header 1x2 TH | | | | Header | CONN1X2 | TSW-102-07-G-S | Samtec |
| | 15 | JS2 JS4 JS5 JS6 JS7 JS9 JS10 JS14 JS15_1-2 JS16_1-2 JS36_1-2 JS36_3-4 JS36_5-6 JS36_7-8 JS36_9-10 | Jumper Shunt | | | | Shunt | N/A | SNT-100-BK-T | Samtec |
| | 1 | L1 | 30 Ohm | 1000mA | | | SMT | L0603 | BLM18PG300SN1 | MuRata |
| | 4 | MH1 MH2 MH3 MH4 | 4-40 | | | | HDW | MH-125NP MH-125 | NSS-4-4-01 | Richco Plastic Co |
| | 1 | R153 | 1.0 | 1/4W | | ±1% | ThickFilm | R1206 | CR1206-4W-1R00F | Venkel |
| | 24 | R154 R155 R158 R159 R211 R212 R218 R219 R225 R226 R232 R233 R239 R240 R246 R247 R253 R254 R260 R261 R267 R268 R274 R275 | 10K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1002F | Venkel |
| | 12 | R156 R161 R213 R220 R227 R234 R241 R248 R255 R262 R269 R276 | 1.0 | 1/10W | | ±1% | ThickFilm | R0603 | CR0603-10W-1R00F | Venkel |
| | 1 | R157 | 6.04K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-6041F | Venkel |
| | 7 | R162 R163 R164 R178 R185 R186 R193 | 1K | 1/10W | | ±1% | ThickFilm | R0805 | CR0805-10W-1001F | Venkel |
| | 4 | R165 R166 R280 R283 | 10K | 1/10W | | ±1% | ThickFilm | R0805 | CR0805-10W-1002F | Venkel |
| | 2 | R172 R174 | 0.050 | 2W | | ±100PPM, ±1% | ThickFilm | R2512 | LRC-LR2512LF-01-R050F | TT Electronics |
| | 1 | R175 | 0 | 2A | | | ThickFilm | R1206 | CR1206-4W-000 | Venkel |
| | 3 | R176 R209 R285 | 8.06K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-8061F | Venkel |

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| | 1 | R177 | 100 | 1/10W | | ±1% | ThickFilm | R0805 | CR0805-10W-1000F | Venkel |
| | 11 | R18 R20 R21 R22 R23 R25 R26 R58 R59 R160 R208 | 2.49K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-2491F | Venkel |
| | 1 | R204 | 17.4K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1742F | Venkel |
| | 13 | R205 R206 R207 R216 R223 R230 R237 R244 R251 R258 R265 R272 R279 | 5.90K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-5901F | Venkel |
| | 10 | R210 R217 R224 R231 R238 R245 R252 R259 R266 R273 | 30.1 | 1/4W | | ±1% | ThickFilm | R1206 | CR1206-4W-30R1F | Venkel |
| | 10 | R214 R221 R228 R235 R242 R249 R256 R263 R270 R277 | 4.42K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-4421F | Venkel |
| | 10 | R215 R222 R229 R236 R243 R250 R257 R264 R271 R278 | 9.53K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-9531F | Venkel |
| | 1 | R281 | 1 | 2W | | ±100PPM, ±1% | ThickFilm | R2512 | LRC-LR2512LF-01-1R00-F | TT Electronics |
| | 1 | R282 | 100K | 1/8W | | ±1% | ThickFilm | R0805 | CR0805-8W-1003F | Venkel |
| | 1 | R286 | 11.5K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1152F | Venkel |
| | 1 | R287 | 5.36K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-5361F | Venkel |
| | 3 | R288 R289 R318 | 10.0K | 1/10W | | ±0.1% | ±25PPM | R0603 | ERA-3AEB103V | Panasonic |
| | 32 | R4 R28 R30 R31 R32 R33 R35 R36 R38 R39 R40 R41 R42 R46 R47 R48 R49 R64 R65 R66 R67 R69 R71 R75 R179 R181 R182 R184 R188 R191 R292 R326 | 0 | 1A | | | ThickFilm | R0603 | CR0603-16W-000 | Venkel |
| | 7 | R6 R8 R9 R10 R11 R13 R14 | 0 | 2A | | | ThickFilm | R0805 | CR0805-10W-000 | Venkel |
| | 10 | R76 R77 R78 R79 R80 R81 R84 R85 R198 R199 R88 R90 R92 R94 R96 R98 R100 R102 R108 R110 R112 R114 R116 R118 R125 R128 R131 R134 R145 R147 R148 R195 R196 R197 R200 R201 R202 R301 R303 R306 R309 R312 R315 | 49.9 | 1/16W | | ±1% | ThickFilm | R0402 R0402L | CR0402-16W-49R9F | Venkel |
| | 33 | | 0 | 1A | | | ThickFilm | R0402 R0402L | CR0402-16W-000 | 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 | SI5345 | | | | Timing | QFN64M9X9P0.5E5.3 | SI5345-A03165-GM | SiLabs |
| | 1 | U11 | MC74VHC1G05 | | 2.0V to 5.5V | | Inverter | SOT5N2.8P0.95 | MC74VHC1G05D TT1G | ON Semiconductor |
| | 1 | U2 | MIC5235 | 150mA | | | LDO | SOT5N2.8P0.95 | MIC5235YM5 | Micrel |
| | 1 | U22 | MAX8869 | 1A | | | LDO | TSSOP16N6.5P0.65E | MAX8869EUE50 | Maxim |
| | 4 | U23 U24 U26 U27 | ADG728 | | 2.7-5.5V | | | TSSOP16N6.4P0.65 | ADG728BRUZ | Analog Devices |
| | 1 | U25 | AD8628 | | 5V | | OPAMP | SOT23-5N | AD8628AUJ-R2 | Analog Devices |
| | 11 | U3 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 | TPS76201 | 100mA | | | LDO | SOT5N2.8P0.95 | TPS76201DBV | TI |
| | 1 | U4 | LTC4311 | | 5.5V | | | SC70-6N2.1P0.65 | LTC4311CSC6#TRMPBF | Linear Technology |
| | 1 | U5 | PCA9517D | | | | I2C | SO8N6.0P1.27 | PCA9517D | NXP |
| | 1 | U6 | C8051F380 | | | | MCU | QFP48N9X9P0.5 | C8051F380-GQ | SiLabs |
| | 3 | U7 U9 U10 | PCA9535CPW | | | | I2C | TSSOP24N6.4P0.65 | PCA9535CPW | NXP |
| | 1 | U8 | DS2411 | | | | | SOJ6N4.45P1.27 | DS2411P+ | Maxim |
| | 1 | Y1 | 48MHz Crystal | | | | Quartz | XTAL4N3.2X2.5-CX3225SB | 7M48072002 | TXC |

Not Installed Components

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|----|----------|---|--------|--------|---------|-----------|------|----------------|--------------------|--------------|
| NI | 5 | C110 C111 C112 C113 C114 | 0.1uF | | 10V | ±10% | X7R | C0402 C0402L | C0402X7R100-104K | Venkel |
| NI | 1 | C159 | 0.01uF | | 100V | ±10% | X7R | C0805 | C0805X7R101-103K | Venkel |
| NI | 24 | C22 C24 C26 C28 C30 C32 C34 C36 C42 C44 C46 C48 C50 C52 C58 C60 C62 C64 C167 C169 C171 C173 C175 C177 | 0.01uF | | 50V | ±10% | X7R | C0402 C0402L | GRM155R71H103KA88D | MuRata |

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| NI | 1 | C98 | 1uF | | 16V | ±20% | X7R | C0805 | C0805X7R160-105M | Venkel |
| NI | 16 | D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D13 D14 D15 D18 D23 D29 | Blue | 20mA | 3.4V | | SMT, ChipLED | LED-HSMX-C170 | HSMR-C170 | Avago Technologies |
| NI | 1 | D17 | SP0503BAHT | 300mW | 20V | | TVS | SOT143-AKKK | SP0503BAHTG | Littlefuse |
| NI | 1 | FB1 | 22 Ohm | 6000mA | | | SMT | L0805 | BLM21PG220SN1 | MuRata |
| NI | 6 | J27 J28 J45 J46 J47 J48 | SMA | | | | SMA | SMA-EDGE-3 | 142-0701-801 | Johnson Components |
| NI | 1 | J35 | USB Type B | | | | USB | CONN-USB-B | 61729-0010BLF | FCI |
| NI | 17 | JP1 JP3 JP8 JP13 JP17 JP19 JP21 JP23 JP25 JP27 JP29 JP31 JP33 JP35 JP39 JP40 JP41 | Header 1x2 TH | | | | Header | CONN1X2 | TSW-102-07-G-S | Samtec |
| NI | 11 | JP18 JP20 JP22 JP24 JP26 JP28 JP30 JP32 JP34 JP36 JP38 | HEADER 1x3 | | | | Header | CONN-1X3 | TSW-103-07-T-S | Samtec |
| NI | 28 | JS1 JS3 JS8 JS13 JS17 JS18 JS19 JS20 JS21 JS22 JS23 JS24 JS25 JS26 JS27 JS28 JS29 JS30 JS31 JS32 JS33 JS34 JS35 JS36 JS38 JS39 JS40 JS41 | Jumper Shunt | | | | Shunt | N/A | SNT-100-BK-T | Samtec |
| NI | 13 | R124 R127 R130 R133 R194 R203 R305 R308 R311 R314 R317 R319 R320 | 0 | 1A | | | ThickFilm | R0402 R0402L | CR0402-16W-000 | Venkel |
| NI | 7 | R17 R19 R24 R60 R61 R62 R325 | 2.49K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-2491F | Venkel |
| NI | 1 | R171 | 0 | 2A | | | ThickFilm | R1206 | CR1206-4W-000 | Venkel |
| NI | 1 | R173 | 17.4K | 1/16W | | ±1% | ThickFilm | R0603 | CR0603-16W-1742F | Venkel |
| NI | 20 | R2 R43 R167 R168 R169 R170 R180 R183 R187 R189 R190 R192 R291 R294 R298 R300 R321 R322 R323 R327 | 0 | 1A | | | ThickFilm | R0603 | CR0603-16W-000 | Venkel |
| NI | 9 | R5 R7 R12 R52 R53 R54 R55 R56 R324 | 0 | 2A | | | ThickFilm | R0805 | CR0805-10W-000 | Venkel |
| NI | 24 | R89 R91 R93 R95 R97 R99 R101 R103 R109 R111 R113 R115 R117 R119 R126 R129 R132 R135 R302 R304 R307 R310 R313 R316 | 10K | 1/16W | | ±1% | ThickFilm | R0402 R0402L | CR0402-16W-1002F | Venkel |
| NI | 12 | TP1 TP2 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 | RED | | | | LOOP | TESTPOINT | 5000 | Keystone |
| NI | 3 | TP3 TP4 TP12 | BLUE | | | | Loop | TESTPOINT | 151-205-RC | Kobiconn |
| NI | 7 | TP5 TP7 TP9 TP10 TP11 TP23 TP24 | RED | | | | Loop | TESTPOINT | 151-207-RC | Kobiconn |
| NI | 2 | TP6 TP8 | BLACK | | | | Loop | TESTPOINT | 151-203-RC | Kobiconn |