

# Bill of Materials

|              |                |
|--------------|----------------|
| Part Number: | SC2200-RDB1900 |
| Revision:    | 1              |
| Date:        | 6/15/2015      |



| Designator   | Comment           | Description   | Quantity | Manufacturer 1                       | Manufacturer Part Number 1 | Supplier 1                 |
|--|-------------------|---|----------|--------------------------------------|----------------------------|----------------------------|
| C100, C160, C163, R121, R124, R161, R162, R167, R168, R194, R201, R252, R253, R255, R262 | NL                | NL Cap 0402, 1.2pF 0402, 1.2pF 0402, NL Res 0402, NL Res 0402, NO LOAD RESISTOR 0402, NO LOAD RESISTOR 0402, NO LOAD RESISTOR 0402, NO LOAD RESISTOR 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402 | 15       |                                      |                            |                            |
| C101, C102, C130, C131   | 10pF              | 10pF 0402   | 4        | Murata Electronics                   | GJM1555C1H100FB01D         | Mouser                     |
| C106, C107, C120, C132   | 0.1uF             | Cap 0.1uF 0402  | 4        | TDK Corporation                      | C1005X7R1A104K050BB        | Digi-Key                   |
| C108, C109, C111, C113, C114, C115, C116, C119, C126, C138, C140                         | 1000pF            | 1000pF 0402   | 11       | Murata Electronics                   | GRM1555C1H102JA01D         | Mouser                     |
| C112, C118, C139, C141   | 2.2uF             | 2.2uF 0603  | 4        | Murata Electronics                   | GRM188R71A225KE15J         | Mouser                     |
| C122, C124   | 22uF              | Cap 22uF 0805   | 2        | Murata Electronics                   | GRM21BR60J226ME39L         | Mouser                     |
| C125   | 5.0pF             | 5.0pF 0402  | 1        | Murata Electronics                   | GJM1555C1H5R0BB01D         | Mouser                     |
| C133, C151, C152   | 1uF               | Cap 1uF 0402  | 3        | Murata Electronics                   | GRM155R61A105KE15D         | Mouser                     |
| C134   | 680pF             | 680pF 0402  | 1        | Murata Electronics North America     | GRM1555C1H681JA01D         | Digi-Key                   |
| C135   | 10uF              | Cap 10uF 0805   | 1        | Murata Electronics North America     | GRM21BR71A106KE51L         | Digi-Key                   |
| C142   | 1uF               | 1uF 0603 ceramic capacitor  | 1        | Murata Electronics North America     | GRM188R61A105KA61D         | Digi-Key                   |
| C143, C146, R300, R301   | 2.2pF             | 2.2pF 0402  | 4        | Murata Electronics                   | GJM1555C1H2R2BB01D         | Mouser                     |
| C147, C148   | 5.6nH             | 5.6nH   | 2        | Taiyo Yuden                          | HK10055N6S-T               | Digi-Key                   |
| C153, C155   | 1nF               | 1000pF 0402   | 2        | Murata Electronics                   | GRM1555C1H102JA01D         | Mouser                     |
| C154, C156   | 100pF             | 100pF 0402 Murata Capacitor   | 2        | Murata                               | GRM1555C1H101JD01D         | Farnell                    |
| C161, C162   | 0.5pF             | 0.5pF 0402  | 2        | Murata Electronics North America     | GJM1555C1HR50BB01D         | Digi-Key                   |
| C292, C293   | 1.3pF             | 1.3pF 0402  | 2        | Murata Electronics                   | GJM1555C1H1R3BB01D         | Mouser                     |
| DC104, DC1015  | 5dB Coupler       | Anaren 2300 - 2700 MHz 0805 5dB Coupler Conf-3, Anaren 2300 - 2700 MHz 0805 5dB Coupler Conf-4  | 2        | Anaren                               | DC2327J5005AHF             | RichardsonRFPD or Digi-Key |
| FT100, FT101, FT102, FT103   | Bead 120 ohm      | Bead 0603 120 ohm   | 4        | Murata Electronics                   | BLM18AG121SN1D             | Mouser                     |
| FT104, FT105   | Bead 470 ohm      | Bead 0402 470 ohm   | 2        | Murata Electronics                   | BLM15BD471SN1D             | Mouser                     |
| J107   | Banana Jack Red   | Banana Supply Connector Red   | 1        | Deltron                              | 571-0500                   | Mouser                     |
| J108   | Banana Jack Black | Banana Supply Connector Black   | 1        | Deltron                              | 571-0100                   | Mouser                     |
| J112   | HEADER 12         | Header 50mil SMT  | 1        | HARTING                              | 15110122601000             | Mouser                     |
| L104, L105   | 10nH              | 10nH  | 2        | Taiyo Yuden                          | HK100510NJ-T               | Digi-Key                   |
| R110   | NL                | NL Res 0603   | 1        |                                      |                            |                            |
| R111   | 10                | RESISTOR 10 Ohm 0402  | 1        | Panasonic Electronic Components      | ERJ-2GEJ100X               | Digi-Key                   |
| R112   | 237k              | RESISTOR 237 kOhm 0402  | 1        | Panasonic Electronic Components      | ERJ-2RKF2373X              | Digi-Key                   |
| R114   | 118k              | RESISTOR 118 kOhm 0402  | 1        | Panasonic Electronic Components      | ERJ-2RKF1183X              | Digi-Key                   |
| R118   | 10k               | 10k Ohm 0402  | 1        | Yageo                                | RC0402FR-0710KL            | Digi-Key                   |
| R165, R166, R195, R222, R223, R241, R250, R251, R254, R263                               | 0 Ohm             | 0 Ohm 0402, 0 Ohm 0402, NO LOAD RESISTOR 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402, 0 Ohm 0402   | 10       | Yageo                                | RC0402JR-070RL             | Digi-Key                   |
| R172, R265   | 49.9 Ohm          | 49.9 Ohm 0402   | 2        | KOA Speer                            | RK73H1ELTP49R9F            | Mouser                     |
| R192, R193   | 1.0nH             | 1.0nH   | 2        | Taiyo Yuden                          | HK10051N0S-T               | Digi-Key                   |
| RFAUX_A, RFAUX_B, RFFB_A, RFFB_B, RFIN_A, RFIN_B, RFOUT_A, RFOUT_B                       | SMA_EDGE          | SMA RECEPTACLE END LAUNCH, Emerson 142-0701-801   | 8        | Cinch Connectivity Solutions Johnson | 142-0701-801               | Digi-Key                   |
| S100   | SW-PB             | SW, PUSH, Omronm B3S-1000P  | 1        | Omron Electronics Inc-EMC Div        | B3S-1000                   | Digi-Key                   |
| U100   | SC2200            | SC2200  | 1        | Maxim Integrated                     | SC2200A-00A00              | Avnet                      |
| U102   | EP53F8QI          | Enpirion Voltage Regulator  | 1        | Loading...                           | Loading...                 | Newark                     |
| U103, U104   | 3ns Delay         | 3ns Delay Line (Anaren)   | 2        | Anaren                               | XDL15-3-030S               | RichardsonRFPD or Digi-Key |
| XTALI  | NL                | SMA RECEPTACLE END LAUNCH, Emerson 142-0701-801   | 1        | Johnson-Cinch Connectivity Solutions | 142-0701-201               | Allied                     |
| Y100   | 278-20.0M-20-W    | Crystal 20MHz 278-20.0M-20-W  | 1        | Oscilent                             | 278-20.0M-20-W             | Oscilent                   |

## Notes:

(NL) are no load parts.