

# 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	NL	NL Cap 0402	3			
C101, C102, C130, C131	10pF	Cap 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, C153, C155	1000pF	Cap 1000pF 0402	13	Murata Electronics	GRM1555C1H102JA01D	Mouser
C112, C118, C139, C141	2.2uF	Cap 2.2uF 0603	4	Murata Electronics	GRM188R71A225KE15J	Mouser
C122, C124	22uF	Cap 22uF 0805	2	Murata Electronics	GRM21BR60J226ME39L	Mouser
C125	5.0pF	Cap 5.0pF 0402	1	Murata Electronics	GJM1555C1H5R0BB01D	Mouser
C133, C151, C152	1uF	Cap 1uF 0402	3	Murata Electronics	GRM155R61A105KE15D	Mouser
C134	680pF	Cap 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	Cap 1uF 0603	1	Murata Electronics North America	GRM188R61A105KA61D	Digi-Key
C143, C146, C300, C301	2.2pF	Cap 2.2pF 0402	4	Murata Electronics	GJM1555C1H2R2BB01D	Mouser
C147, C148	5.6nH	Inductor 5.6nH 0402	2	Taiyo Yuden	HK10055N6S-T	Digi-Key
C154, C156	100pF	Cap 100pF 0402	2	Murata	GRM1555C1H101JD01D	Farnell
C161, C162	0.5pF	Cap 0.5pF 0402	2	Murata Electronics North America	GJM1555C1HR50BB01D	Digi-Key
C292, C293	1.3pF	Cap 1.3pF 0402	2	Murata Electronics	GJM1555C1H1R3BB01D	Mouser
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
R121, R124, R161, R162, R167, R168, R194, R201, R252, R253, R255, R262	NL	NL Res 0402	12			
R165, R166, R195, R222, R223, R241, R250, R251, R254, R263	0 Ohm	RESISTOR 0 Ohm 0402	10	Yageo	RC0402JR-070RL	Digi-Key
R172, R265	49.9 Ohm	RESISTOR 49.9 Ohm 0402	2	KOA Speer	RK73H1ELTP49R9F	Mouser
L104, L105	10nH	Inductor 10nH 0402	2	Taiyo Yuden	HK100510NJ-T	Digi-Key
L192, L193	1.0nH	Inductor 1.0nH 0402	2	Taiyo Yuden	HK10051N0S-T	Digi-Key
DC104, DC1015	5dB Coupler	Anaren 1700-2200 MHz 0805, 5dB Coupler Conf-3, Anaren 1700-2200 MHz 0805, 5dB Coupler Conf-4	2	Anaren	DC1722J5005AHF	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
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

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## Notes:

(NL) are no load parts.