

# Bill of Materials

Part Number:	SC2200-RDB900
Revision:	1
Date:	6/15/2015



Designator	Comment	Description	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1
C100, R121, R124, R161, R162, R167, R168, R194, R201, R252, R253, R255, R262	NL	NL Cap 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, 0 Ohm 0402	13			
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, C154, C156	100pF	100pF 0402 Murata Capacitor	4	Murata	GRM1555C1H101JD01D	Farnell
C147, C148	5.1pF	5.1pF 0402	2	Murata Electronics	GJM1555C1H5R1BB01D	Mouser
C153, C155	1nF	1000pF 0402	2	Murata Electronics	GRM1555C1H102JA01D	Mouser
C160, C163, C292, C293	432	RESISTOR 432 Ohm 0402	4	Panasonic Electronic Components	ERJ-3EKF4320V	Digi-Key
C161, C162	0.5pF	0.5pF 0402	2	Murata Electronics North America	GJM1555C1HR50BB01D	Digi-Key
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	18nH	18nH	2	Taiyo Yuden	HK100518NJ-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-2RKZF2373X	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, R300, R301	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, 0 Ohm 0402, 0 Ohm 0402	12	Yageo	RC0402JR-070RL	Digi-Key
R172, R265	49.9 Ohm	49.9 Ohm 0402	2	KOA Speer	RK73H1ELTP49R9F	Mouser
R192, R193	11.5 Ohm	0 Ohm 0402	2	Panasonic Electronic Components	ERJ-2RKF11R5X	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, Omron 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	ENPIRION	EP53F8QI	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.