

TEXAS INSTRUMENTS Low Power RF Solutions



This product is RoHS compliant.

ZIGBEE® SOLUTION KITS

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC2520DK	CC2520DK	CC2520 Development Kit	662.00
595-CC2540DK-MINI	CC2540DK-MINI	CC2540 Development Kit	101.00
595-TRF370417EVM	TRF370417EVM	TRF370417 Evaluation Module Kit	224.50

ZIGBEE® CHIPSET

- Zigbee Complies with EN 300 220 and FCC CFR 47, Part 15
- IEEE 802.15.4 Compliant

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq. Min/Max (MHz)	Operating Volt Min/Max	Modulation Techniques	Hardware MAC Encry/Auth	Price Each			
							1	25	100	250
839-CC2420T/R-R	CC2420RTCR	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	8.15	6.68	6.03	5.54
839-CC2430-F32	CC2430F32RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	8.50	6.97	6.29	5.78
839-CC2431	CC2431RTC	QLP-48	2400	2.1/3.6	DSSS	Yes	14.32	12.04	11.06	9.74

RF ISM BAND TOOL SOLUTIONS

IEEE802.15.4



MOUSER STOCK NO.	Texas Instruments Part No.	Package	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Integrated Bit Synchronizer	Internal RF Switch/IF Filter	Price Each			
								1	25	100	250
595-CC2520RHDT	CC2520RHDT	QFN-28	2394	2507	DSSS	Yes	Yes	5.54	4.52	4.06	3.88
595-CC2533F32RHAT	CC2533F32RHAT	VQFN-40	2394	2507	DSSS	No	No	7.73	6.41	5.83	5.01
839-CC2430-F32	CC2430F32RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	8.50	6.97	6.29	5.78
839-CC2431	CC2431RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	14.32	12.04	11.06	9.74

Evaluation Board

MOUSER STOCK NO.	Description	Price Each
595-TRF2436EVM	TRF2436 Evaluation Module	337.30

ISM 2.4GHZ

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Current Consumption (RX) (mA)	Ram (KB)	Flash (KB)	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Price Each			
									1	25	100	250
839-CC2500	CC2500RTK	QFN-20	12.8	-	-	2400	2483	-	4.70	3.78	3.44	3.10
595-CC2540F128RHAT	CC2540F128RHAT	VQFN-40	19.6	8	128	2402	2480	GFSK	4.50	4.06	3.62	2.90
595-CC2540F256RHAT	CC2540F256RHAT	VQFN-40	19.6	8	256	2402	2480	GFSK	6.50	5.22	4.76	4.29
839-CC2510F8RSP	CC2510F8RSP	QFN-36	22	1	8	2400	2483.5	2-FSK, GFSK, MSK	5.87	4.23	3.52	3.05
839-CC2510F16RSP	CC2510F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	5.20	4.24	3.81	3.71
839-CC2511F16RSP	CC2511F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	7.16	5.94	5.40	4.59
839-CC2511F32RSP	CC2511F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	5.95	4.87	4.40	4.04
839-CC2510F32RSP	CC2510F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	6.38	5.22	4.71	4.33
595-CC2570RHAT	CC2570RHAT	QFN-40	23.7	-	-	2400	2495	GFSK	6.89	5.72	4.81	4.42
595-CC2571RHAT	CC2571RHAT	QFN-40	23.7	-	-	2400	2495	GFSK	7.60	6.30	5.73	4.93
839-CC2400R	CC2400RSU	QFN-48	24	-	-	2400	2483	-	9.24	7.57	6.83	6.28
595-CC8520RHAT	CC8520RHAT	VQFN-40	25	-	-	2400	2483.5	-	6.70	5.02	4.57	4.51
595-CC2430ZF128RTCR	CC2430ZF128RTCR	QFN-48	27	8	128	2400	2483.5	DSSS	11.26	9.35	8.50	7.65
595-CC8521RHAT	CC8521RHAT	QFN-40	29	-	-	2400	2483.5	-	8.12	7.01	5.85	4.00
595-CC8531RHAT	CC8531RHAT	QFN-40	29	-	-	2400	2483.5	-	8.71	8.24	7.21	6.60
595-CC2591RGVR	CC2591RGVR	QFN-16	1.7-3.4	-	-	2400	2483.5	-	5.19	4.23	3.80	3.46
595-CC2591RGVT	CC2591RGVT	QFN-16	1.7-3.4	-	-	2400	2483.5	-	6.15	5.02	4.20	3.79

SUB 1-GHZ

- Complies with EN 300 220 and FCC CFR 47, Part 15



MOUSER STOCK NO.	Texas Instruments Part No.	Package	Frequency (MHz)		Flash Size (kB)	Ram Size (byte)	Operating Volt Min/Max	Data Rate (Max) (Mbps)	Output Power	Price Each		
			Min.	Max.						1	25	100
839-CC1000R	CC1000PW	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended	8.23	6.74	6.08
839-CC1000T/R-R	CC1000PWR	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended	11.74	9.62	8.68
595-CC1020RUZ	CC1020RUZ	QFN-32	402/804	470/960	-	-	2.3/3.6	153.6	Single-Ended	8.88	7.27	6.39
595-CC1020RUZR	CC1020RUZR	QFN-32	402/804	470/960	-	-	2.3/3.6	153.6	Single-Ended	7.38	6.04	5.45
839-CC1050R	CC1050PW	TSSOP-24	300	1000	-	-	2.1/3.6	76.8	Single-Ended	5.04	4.05	3.69
839-CC1070R	CC1070RSQ	QFN-20	402/804	470/940	-	-	2.3/3.6	153.6	Single-Ended	5.87	4.23	3.52
839-CC1100	CC1100RTK	QFN-20	300/400/800	348/464/928	-	-	1.8/3.6	500	Differential	6.25	4.50	3.75
595-CC110LRTKT	CC110LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential	5.04	4.11	3.48
595-CC1101RTK	CC1101RTK	QFN-20	300/387/779	348/464/928	-	-	1.8/3.6	500	Differential	5.17	4.14	3.22
839-CC110F8RSP	CC110F8RSP	QFN-36	300/391/782	348/464/928	8	1	2/3.6	500	Differential	6.68	5.54	5.04
839-CC110F16RSP	CC110F16RSP	QFN-36	300/391/782	348/464/928	16	2	2/3.6	500	Differential	5.30	4.24	3.57
839-CC1110	CC1110F32RSP	QFN-36	300/391/782	348/464/928	32	4	2/3.6	500	Differential	6.88	4.95	4.13
595-CC1110F32RSPR	CC1110F32RSPR	QFN-36	300/391/782	348/464/928	32	4	2/3.6	500	Differential	5.75	4.60	3.68
595-CC113LRTKT	CC113LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential	4.35	3.55	3.19
595-CC115LRTKT	CC115LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential	3.11	2.40	2.17
839-CC1150	CC1150RST	QFN-16	300/400/800	348/464/928	-	-	1.8/3.6	500	Differential	2.70	2.16	1.81
839-CC1150T/R	CC1150RSTR	QFN-16	300	348	-	-	1.8/3.6	500	Differential	2.83	2.44	2.22
595-CC1120RHMT	CC1120RHMT	QFN-32	820	960	-	-	2/3.6	0.195	Differential	8.25	5.94	4.95
595-CC1190RGVT	CC1190RGVT	QFN-16	850	950	-	-	2.0/3.7	-	Single-Ended	5.19	4.23	3.80

CHIPSETS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
2.5G Band Chipset								
595-TRF1115IRGPT	TRF1115IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	16.63	13.98	12.85	11.72
595-TRF1122IRMT	TRF1122IRMT	QFN-32	FDD/HFDD, TDD	RF Up-Converter	17.28	14.53	13.35	12.18
595-TRF1123IRMT	TRF1123IRMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver	11.58	10.96	9.59	8.77
3.5G Band Chipset								
595-TRF1216IRGPT	TRF1216IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	16.63	13.98	12.85	11.72

CC110L RF BOOSTER PACK



MOUSER STOCK NO.	Texas Instruments Part No.	Frequency Max. (MHz)	Output Power (dBm)	Supply Voltage (V)	Operating Supply Voltage (V)	Operating Temperature Range (°C)	Price Each
595-430BOOST-CC110L	430BOOST-CC110L	300	10	-0.3 to 3.9	3.6	-40 to +85	21.44

RF POWER DETECTORS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	RF Freq. (MHz)	Channels	Dynamic Range (dB)	Supply Volt. (V)		Iq (Typ.) (mA)	Sensor Gain (mV/°C)	Single Supply	Output Current (mA)	Specific Temp. Range (°C)	Price Each			
						Min.	Max.						1	25	100	250
926-LMV225SD/NOBP	LMV225SD/NOBP	LLP-6	450-2000	1	30	2.7	5	4.8	1/1	-30 to 0	1	-40 to 85	1.50	1.20	1.05	.92
926-LMV225TL/NOBP	LMV225TL/NOBP	MicroSMD	450-2000	1	30	2.7	5	4.8	1/1	-30 to 0	1	-40 to 85	1.11	.891	.779	.684
926-LMV226TL/NOBP	LMV226TL/NOBP	MicroSMD	450-2000	1	30	2.7	5	4.9	1/1	-15 to 15	1	-40 to 85	.94	.756	.51	.50
926-LMH2120UM/NOBP	LMH2120UM/NOBP	MicroSMD	50-6000	1	40	2.7	5	2.9	1/1	-35 to 5	0.5	-40 to 85	1.80	1.44	.972	.953
926-LMH2110TM/NOBP	LMH2110TM/NOBP	MicroSMD	50-8000	1	45	2.7	5	4.8	1/1	-40 to 5	0.5	-40 to 85	1.80	1.44	.972	.953



Wireless Solutions

Texas Instruments