

## \*\* TEXAS INSTRUMENTS Bill of Materials

TI DESIGNS
Part # CC3200, UCC28910D, TPS61097A
Literature # TIDC-CC3200SMARTPLUG

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Qty	Value	Designator	Manufacturer	Part Number	Description
1	AH316M	ANT1	Taiyo Yuden	AH316M245001-T	RF Chip Antenna
1	MB6S	RT	Micro Commercial	MB6S-TP	Bridge Rectifier CAP CER U.1UF 6.3V 10% ASK 0201, CAP CER U.1UF 10V
10 0.1uF	NO 1.15		TDK corporation	C0603X5R0J104K030BC, C0603X5R1A104K030BC,	10% X5R 0201, CAP CER 0.1UF 10V 10% X5R 0201, CAP
		61 612 616 617 610 610 626 620 620		C0603X5R1A104K030BC, C0603X5R1A104K030BC, C0603X5R1A104K030BC, C0603X5R1A104K030BC,	CER 0.1UF 10V 10% X5R 0201, CAP CER 0.1UF 10V 10% X5R 0201, CAP CER 0.1UF 10V 10% X5R 0201, CAP CER
	U.IUF	C1, C12, C16, C17, C18, C19, C26, C29, C30,		C0603X5R1A104K030BC, C0603X5R1A104K030BC,	0.1UF 10V 10% X5R 0201, CAP CER 0.1UF 10V 10% X5R 0201, CAP CER
				C0603X5R1A104K030BC, C0603X5R1A104K030BC	0201, CAP CER 0.1UF 10V 10% X5R 0201, CAP CER 0.1UF
				20003/13/12/11/20 11/03/03/2/ 20003/13/12/11/20 11/03/03/2	10V 100/ VED 0201
	10015	63 653 654 655	Di-	C1210C106M9PACTU, C1210C107M9PACTU,	CAP CER 10UF 6.3V 20% X5R 1210, CAP CER 100UF 6.3V
4	100UF	C2, C53, C54, C55	Panasonic	C1210C107M9PACTU, C1210C107M9PACTU	20% X5R 1210, CAP CER 100UF 6.3V 20% X5R 1210, CAF CER 100UF 6.3V 20% X5R 1210
			Kemet, AVX corporation, AVX corporation, AVX	C0603C104K4RACTU, 06035C104KAT2A, 06035C104KAT2A,	CER 10001 0.3V 20/8 A3R 1210
8	0.1uf	C3, C4, C5, C7, C8, C10, C36, C42	corporation, AVX corporation, AVX corporation,	06035C104KAT2A, 06035C104KAT2A, 06035C104KAT2A,	CAP CER 0.1UF 50V 10% X7R 0603
		0.00	AVX corporation. Kemet	06035C104KAT2A. C0603C104K4RACTU	
2	150pf	C6, C9	TDK corporation	C1005C0G1H151F050BA	CAP CER 150PF 50V 1% NP0 0402
2	0.1uf	C11, C27	TDK corporation	C1005X5R1A104K050BA	CAP CER 0.1UF 10V 10% X5R 0402
3	4.7UF	C13, C31, C32	TDK corporation	C1005X5R0J475M050BC	CAP CER 4.7UF 6.3V 20% X5R 0402
	6pf	C14, C15	TDK corporation	C1005C0G1H060D050BA	CAP CER 6PF 50V NP0 0402
5	10uf	C20, C28, C45, C46, C47	TDK corporation	C1005X5R0G106M050BB	CAP CER 10UF 4V 20% X5R 0402
	10pf	C21, C35	Kemet, TDK corporation	C0402C100J5GACTU	CAP CER 10PF 50V 5% NP0 0402
1	1pf	C22 C23	Murata TDV corporation	GJM1555C1H1R0BB01J	CAP CER 1PF 50V NP0 0402
1	1uF 22uf	C24, C25	TDK corporation	C0603X5R0J105M030BC C1608X5R0J226M080AC	CAP CER 1UF 6.3V 20% X5R 0201 CAPACITOR, American symbol
1	10UF	C24, C25	TDK corporation AVX corporation	1210YD106KAT2A	CAPACTION, American symbol CAP CER 10UF 16V 10% X5R 1210
1	4.7uF	C34, C44	United Chemi-con	NRE-AX4R7M400V8X9F	CAP ALUM 4.7UF 400V 20% RADIAL
2	4.7uF 0.22uF	C37	Samsung	CL03A224MQ3NNNC	CAP CER 0.22UF 6.3V 20% X5R 0201
1	100pF	C40	Kemet	C1206C101JCGACTU	CAP CER 0.220F 0.3V 20% A3R 0201  CAP CER 100PF 500V 5% NP0 1206
1	10UF	C41	Taiyo Yuden	LMK316B7106KL-TD	CAP CER 100FF 300V 3% NF0 1206
1	820uF	C43	Nichicon	RL80J821MDN1KX	CAP ALUM 820UF 6.3V 20% RADIAL
1	0.1uf	C49, C50, C51, C52	AVX corporation	08053C104KAT2A	CAP CER 0.1UF 25V 10% X7R 0805
2	5PinHeader	CC3200JTAG, CC3200UART, HRD	FCI	68000-105HLF	5 PIN HEADER
3	DTSM-3-RA	CC_RESET, CC_RESET1, S1	E-SWITCH	TL3330AF260QG	SWITCH TACTILE SPST-NO 0.05A 12V
3	DIODE-SOD323-R	D1, D2, D4	On semiconductor	BAS20HT1G	DIODE-SOD323-R
1	SMAJ5.0CA	D3	Bourns Inc	SMAJ5.0CA	DO-214
1	15MQ040N	D5	Vishay Semiconductor	15MQ040N	DIODE SCHOTTKY 40V 3A DO214AC
1	1N4007	D6	Diode Inc	1N4007	DIODE 1N4007
1	DO-214AA	D7	ST	SMBJ100A-TR	SMBJ Series 600 W 117 V Uni Directional DO-214AA
1	RS1G-13-F	D8	Vishay Semiconductor	RS1G-13-F	DIODE FAST RECOVERY 400V 1A SMA
1	DIODE-SOD123	D9	Diodes Incorporated	BAV21W-7-F	DIODE SWITCHING 200V 0.2A SOD123
1	SK310A-TP	D10	Micro Comercial	SK310A-TP	DIODE SCHOTTKY 100V 3A SMA
1	FUSE 15A	F1	Little Fuse	0463015.ER	Fuse SMD
1	1294C1	FLT1	TDK	DEA202450BT-1294C1-H	FILTER BANDPASS WLAN&BLUETOOTH
1	GROUND PIN MALE	GND_IN		Heyco 5940	GROUND MALE 5940
1	MOUNT-PAD-ROUND3.0	GROUNDOUT	HEYCO	NOT A PART	
2	LMV324M	IC1, IC2	Digi-key	LMV324MX/NOPBTR-ND	Low Voltage, Rail-to-Rail Output Operational Amplifiers
7	JP1Q	JP1, JP2, JP3, JP4, JP6, JP7, JP8	Sullins Connector Solutions/TE Connectivity	GRPB021VWVN-RC/5-146285-2	
1	JP2W	JP5	FCI/ TE Connectivity	68000-103HLF/ 5-146282-3	
1	JP7Q	JP9	Harwin Inc	M50-3100745	
1	3.6NH	L1	Murata	LQP15MN3N6B02D	INDUCTOR 3.6NH 0.1NH 0402
1	10mH	L2	Bourns	RLB0812-103KL	INDUCTOR 10MH 34MA T/H RADIAL
2	BLM21BD121SN1D	L3, L4	Panasonic	ERJ-3GEY0R00V	INDUCTOR, American symbol
2	2.2u	L5, L8	445-6373-1-ND	MLP2520S2R2MT0S1	INDUCTOR MULTILAYER 2.2UH 1008
1	1u	L7	TDK corporation	MLP2520S1R0MT0S1	INDUCTOR MULTILAYER 1.0UH 1008
1	10UH	L9	Taiyo Yuden	CB2518T100K	INDUCTOR POWER 10UH 1007
1	10UH	L10	Taiyo Yuden	CBC3225T100MR	INDUCTOR 10UH 20% 1210 SMD
2	LEDCHIP-LED0603	LED1, LED2		LS L29K-G1J2-1-Z	LED
4	MTG_125 HOLE	LOCATION.X_FRAC=40000	UEVCO	OWNERINDEX=3281	MOUNTING HOLE (NOT A PART)
1	BLADE_MALE 5201	L_IN	HEYCO	Heyco 5201	BLADE MALE FOR PCB POLARIZED
2	BLADE_FEMALE	L_OUT, N_OUT	Неусо	Heyco 7261 N-OUT/N-IN (1155-90)	BLADE FEMALE FOR PCB
1	BLADE_MALE_5200	N_IN	HEYCO	Heyco 5200	BLADE MALE FOR PCB 5200 NON-POLARIZED
1	MA03-1	PWR	FCI/ TE Connectivity	68000-103HLF/ 5-146282-3	
1	32.768KHz	Q2	Abracon Corporation	ABS07-32.768KHZ-T	CRYSTAL 32.768KHZ 12.5PF SMD
1	2N7002.	Q3	Phillips	2N7002	2N7002 in SOT23.
2	2K	R1, R23	Vishay Dale	CRCW02012K00FNED	RES 2.00K OHM 1/20W 1% 0201 SMD
3	470K	R2, R3, R4	Panasonic	RC0603JR-07470KL, RC0603JR-0710KL, RC0603JR-07470KL	RES 470K OHM 1/10W 5% 0603 SMD
4	1K	R5, R8, R9, R10	Panasonic	ERJ-3GEYJ102V	RES 1K OHM 1/10W 5% 0603 SMD
2	2.2M OHM	R6, R32	Yageo	RC0603JR-072M2L	RES 2.2M OHM 1/10W 5% 0603 SMD
1	2.2K	R7	Yageo	RC0603FR-072K2L	RES 2.20K OHM 1/10W 1% 0603 SMD
2	10K OHM	R11, R12	Panasonic	ERJ-2GEJ103X	RES 10K OHM 1/10W 5% 0402 SMD
2	1.0K	R13, R14	Yageo	RC0603JR-071KL	RES 1.0K OHM 1/10W 5% 0603 SMD

1 220K OHM	R15	Panasonic	ERJ-1GEJ104C	RES 220K OHM 1/20W 5% 0201 SMD
2 1.0K OHM	R16, R64	Yageo	RC0402JR-071KL	RES 1.0K OHM 1/16W 5% 0402 SMD
10 100K OHM	R17, R18, R25, R26, R47, R89, R90, R91, R92, R94	Panasonic	ERJ-1GEJ104C	RES 100K OHM 1/20W 5% 0201 SMD
1 2.7K	R19	Panasonic	ERJ-3GEYJ272V	RESISTOR, American symbol
2 6.8K	R20, R70	Vishay Dale	CRCW08056K80JNEA	RES 6.8K OHM 1/8W 5% 0805 SMD
1 30K	R22	Vishay Dale	CRCW060330K0JNEA	RES 30K OHM 1/10W 5% 0603 SMD
1 0.0 OHM	R24	Panasonic	ERJ-6GEY0R00V	RES 0.0 OHM 1/8W JUMP 0805 SMD
1 2.7K OHM	R27	Yageo	RC0402JR-072K7L	RES 2.7K OHM 1/16W 5% 0402 SMD
1 0.0 OHM	R28	Yageo	RC0201JR-070RL	RES 0.0 OHM 1/20W JUMP 0201 SMD
2 1K OHM	R29, R62	Panasonic	ERJ-1GEF1001C	RES 1K OHM 1/20W 1% 0201 SMD
1 220K OHM	R30	Yageo	RC0603FR-07220KL	RES 220K OHM 1/10W 1% 0603 SMD
1 S20K275	R31	Epcos	S20K275	VARISTOR
14 10K	R33, R35, R36, R37, R38, R41, R42, R49, R50, R51, R54, R55, R56, R57	Yageo, Yageo, Yageo, Yageo, Yageo, Yageo, Yageo, Yageo, Yageo, Yageo, Panasonic. Panasonic	RC0603JR-0710KL	RES 10K OHM 1/10W 5% 0603 SMD
1 0.0 OHM	R34	Panasonic	ERJ-3GEY0R00V	RES 0.0 OHM 1/10W JUMP 0603 SMD
1 RES 22K OHN		Yageo	RC0402JR-0722KL	RES 22K OHM 1/16W 5% 0402 SMD
1 RES 12K OHN	R40	Yageo	RC0402JR-070RL	RES 12K OHM 1/16W 5% 0402 SMD
2 4.7K OHM	R43, R44	Yageo	ERJ-2GEJ472X	RES 4.7K OHM 1/16W 5% 0402 SMD
1 68.0K	R45	Yageo	RC0603FR-0768KL	RES 68.0K OHM 1/10W 1% 0603 SMD
1 560 OHM	R46	Yageo	RC0603JR-07560RL	RES 560 OHM 1/10W 5% 0603 SMD
1 10 OHM	R48	TT Electronics	SPP1UL10R0JLF	RES 10 OHM 1W 5% AXIAL
1 RES 6.8K OHI	R52	Yageo	RC0402JR-076K8L	RES 6.8K OHM 1/16W 5% 0402 SMD
1 RES 5.1K OHI	1 R53	Yageo	RC0402JR-075K1L	RES 5.1K OHM 1/16W 5% 0402 SMD
1 2.0K	R58	Yageo	RC0603FR-072KL	RES 2.00K OHM 1/10W 1% 0603 SMD
2 2.2K OHM	R60, R61	Yageo	ERJ-2RKF2201X	RES 2.2K OHM 1/10W 1% 0402 SMD
1 180 OHM	R63	Yageo	RC0402FR-07180RL	RES 180 OHM 1/16W 1% 0402 SMD
12 0.0 OHM	R65, R73, R74, R75, R77, R78, R79, R80, R81, R85, R87, R88	Yageo	RC0402JR-070RL	RES 0.0 OHM 1/16W JUMP 0402 SMD
2 100 OHM	R66, R67	Panasonic	ERJ-2GEJ101X	RES 100 OHM 1/16W 1% 0402 SMD
1 100K	R68	Vishay Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
1 120 OHM	R69	Vishay Dale	CRCW0603120RJNEA	RES 120 OHM 1/10W 5% 0603 SMD
1 1.5K	R71	Vishay Dale	CRCW12061K50FKEA	RES 1.50K OHM 1/4W 1% 1206 SMD
1 33 OHM	R72	Yageo	RC0603JR-0733RL	RES 33 OHM 1/10W 5% 0603 SMD
1 4m	RSHUNT1	Vishay Dale	WSR34L000FEA	RES .004 OHM 3W 1% 4527 SMD
1 DMG2305UX	T1	Diodes Inc.	DMG2305UX-13	MOSFET P-CH 20V 4.2A SOT23
8 TPTP06R	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8		OWNERINDEX=2276	TEST PAD
1 CC3200R1M1	RGC U2	П	CC3200R1M2RGCR	PVQFN-N64
1 W25Q16D	U3	Winbond electronics	W25Q16DWZPIG	FLASH 16Mbit 8WSON
1 UCC28910D	U4	Π	SMT	8 PIN SOIC
1 XFRM_75031	752 U\$1	Wurth Electronik	750314752	TRANSFORMER
1 PG-USON-8-	. U\$2	Apple	APN337S3959	Authentication I2C chip
1 RGB_LED_SM	. U\$3	Lumex	SML-LX0404SIUPGUSB	LED RGB SQUARE CLEAR SMD
1 HF3FA_DEV1	U\$4	Hongfa	HF3FA	RELAY
1 TPS61097A	U\$5	Π	TPS61097A-33DBVR	IC REG BST SYNC 3.3V .1A SOT23-5
1 MM8030_DE	'_1 U\$7	Murata	MM8030-2610RJ3	CONN SWG JACK STR 50 OHM SMD
1 40MHz	XT1	Epson	Q24FA20H00396	CRYSTAL 40MHZ 8PF SMD

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