

Bill of Materials

TI DESIGNS

Part # MSP430i2040, CC3200, UCC28910D

Literature # TIDC-SMARTPLUG-WIFI

Qty	Value	Device	Parts	Type of component	Digikey part no
1	AH316M	AH316M	ANT1	AH316M	587-2200-1-ND
1	10u	C-EUC0603	C1	C0603	445-4112-1-ND
3	0.1u	C-USC0402	C11, C27, C36	C0402	445-1265-1-ND
8	0.1u	C-USC0201	C12, C16, C17, C19, C26, C29, C30	C0201	445-7318-1-ND
3	4.7u	C-USC0402	C13, C31, C32	C0402	445-7395-1-ND
2	6p	C-USC0402	C14, C15	C0402	445-4885-1-ND
2	0.1u	C-EUC0603	C2, C3	C0603	445-1316-1-ND
1	10u	C-USC0402	C20	C0402	445-8920-1-ND
1	1u	C-USC0201	C23	C0201	445-8008-1-ND
1	22u	C-USC0603	C24	C0603	445-8028-2-ND
1	22u	C-USC0603	C25	C0603	445-8028-2-ND
1	10u	C-USC0402	C28	C0402	445-8920-1-ND
1	10p	C-USC0201	C33	C0201	445-5565-1-ND
1	10u / 400V	CPOL-USE5-10.5	C34	E5-10,5	P5939-ND
1	6.2p	C-USC0201	C35	C0201	445-7060-1-ND
1	10000p	C-USC0201	C37	C0201	445-1793-1-ND
1	0.1u	C-USC0603	C38	C0603	478-5052-1-ND
1	18u	CPOL-USE5-5	C39	E5-5	P15284CT-ND
1	0.47u	C-EUC0603	C4	C0603	445-1320-1-ND
1	820u	CPOL-USE3.5-8	C40	E3,5-8	565-1629-ND
1	10u	C-USC1210	C41	C1210	445-1434-1-ND
1	0.1u	C-USC0805	C42	C0805	478-3755-1-ND
4	47pF	C-EUC0603	C5, C7, C8, C10	C0603	445-1277-1-ND
2	150p	C-EUC0603	C6, C9	C0603	445-1283-1-ND
2	DTSM-3	DTSM-3	CC_RESET, S1	DTSM-3	679-2307-1-ND
2	5PinHeader	MA05-1	CC3101JTAG, CC3101UART	MA05-1	609-3462-ND
1	B130LB-13-F	DIODE-DO214AA	D10	DO214AA	B130LB-FDICT-ND
1	SMAJ5.0CA	SMAJ	D3	DO-214	SMAJ5.0CABCT-ND
1	US1J-E3/5AT	DIODE-DO-214AC	D6	DO-214AC	US1J-E3/5ATGICT-ND
1	1SMB5954BT3G	DIODE-DO-214AC	D7	DO-214AC	1SMB5954BT3GOSCT-ND
1	US1M-13-F	DIODE-DO-214AC	D8	DO-214AC	US1M-FDICT-ND
1	BAS20HT1G	DIODE-SOD323-R	D9	SOD323-R	BAS20HT1GOSCT-ND
1	S212S01F	S212S01F	K1	S212S01	425-2412-5-ND
2	BLM21BD121SN1D	L-USL2012C	L3, L4	L2012C	P0.0GCT-ND
2	2.2u	LQM2MPN2R2MG0	L5, L8		2016 445-6373-1-ND
1	1u	LQM2HPN1R0MJC	L7		2520 445-6370-1-ND
1	5.6n	LQM2HPN1R0MJCL0201	L9	LO201	445-1579-1-ND
1		LEDCHIP-LED0603	LED1	CHIP-LED0603	475-2506-1-ND
1		LEDCHIP-LED0603	LED2	CHIP-LED0603	475-2709-2-ND
1	14PinHeader	MA07-2	MSP430JTAG	MA07-2	609-3491-ND
1	ECS-327SMO	ECS-327SMO	OCS1	ECS-327SMO	XC777CT-ND
2	3PinHeader	MA03-1	PWR, PWR_SEL	MA03-1	609-3461-ND
1		PNP-TRANSISTOR_SOT23	Q1	SOT23	ZXTP08400BFFCT-ND
1	4.7k	R-EU_R0603	R1	R0603	P4.7KGCT-ND
2	10k	R-US_R0402	R11, R12	R0402	P10KJCT-ND
1	39	R-US_R0603	R13	R0603	P39GCT-ND
6	100k	R-US_R0201	R15, R18, R25, R26, R27, R28, R31	R0201	P100KAGCT-ND
2	1k	R-US_R0402	R16, R17	R0402	P1.0KJCT-ND
1	2.87k	R-US_R0603	R19	R0603	541-2.87KHCT-ND
4	330k	R-EU_R0603	R2, R3, R4	R0603	P330KGCT-ND
1	30.1k	R-US_R0603	R20	R0603	541-30.1KHCT-ND
1	76.8k	R-US_R0603	R21	R0603	541-76.8KHCT-ND
1	10	R-US_R0603	R22	R0603	541-10.0HCT-ND
1	2.0k	R-US_R0603	R23	R0603	541-2.0KGCT-ND
1	0	R-US_R0805	R24	R0805	P0.0ACT-ND
1	1k	R-US_R0201	R29	R0201	P1.0KAGCT-ND
1	0	R-US_R0603	R30	R0603	P0.0GCT-ND
1	100	R-EU_R0603	R5	R0603	P100GCT-ND
1	S20K275	S20K275	R6	S20K275	495-1417-ND

Qty	Value	Device	Parts	Type of component	Digikey part no
1	3K	R-EU_R0603	R7	R0603	P3.0KGCT-ND
4	1K	R-EU_R0603	R8, R9, R10, R14	R0603	P1.0KGCT-ND
2	10K	R-US_R0201	R32, R33	R0201	P10KAGCT-ND
1	DNP	R-US_R0201	R34	R0201	
1	4m	R-US_R4527	RSHUNT	R4527	WSRB-.004CT-ND
1	W25Q16V	W25Q16V	U3	8PINWSON	W25Q16DWZPIG-ND
1		MOUNT-PAD-ROUND3.0	GROUNDOUT	3,0-PAD	
2	MALE_BLADE	MALE_BLADE	L_IN, N_IN	BLADE_MALE	
2	BLADE_FEMALE	BLADE_FEMALE	L_OUT, N_OUT	BLADE_FEMALE	
1	40MHz	40.0000MF15Z	XT1	FA-20H	FA-20H, 40MHZ, 10PPM, 12PF
1	1275A1	1275A1	FLT1	1275A1	Custom TDK Filter
1	CUSTOMTRANS	CUSTOMTRANS	T1	TRANS	Custom Renco Trans
1	MSP430I2040XPW	MSP430I2040XPW	U1	TSSOP28	
1	CC31XX	CC31XX	U2	S-PVQFN-N64	296-38011-ND
1	UCC28910D	UCC28910D	U4	SOIC(D)	296-37829-1-ND

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