

## CSM-SELF REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	12		Btn-Self-EMC	Used in BOM report	Capacitive Button, Self Capacitance, 2-Layer, High EMC	eg: 0603, used in PnP report
C1	1	4.7uF	C1005X5R0J475M050BC	TDK	CAP, CERM, 4.7 $\mu$ F, 6.3 V, +/- 20%, X5R, 0402	0402
C2	1	0.1uF	C1005X5R0J104K	TDK	CAP, CERM, 0.1 $\mu$ F, 6.3 V, +/- 10%, X5R, 0402	0402
C3	1	1uF	C1005X5R0J105M	TDK	CAP, CERM, 1 $\mu$ F, 6.3 V, +/- 20%, X5R, 0402	0402
C4	1	510pF	GRM1555C1E511JA01D	MuRata	CAP, CERM, 510 pF, 25 V, +/- 5%, C0G/NP0, 0402	0402
C5, C6	2	0.1uF	0603YC104JAT2A	AVX	CAP, CERM, 0.1 $\mu$ F, 16 V, +/- 5%, X7R, 0603	0603
D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28	28		597-6201-607F	Dialight	LED, Orange, SMD, Reverse Mount, 1206	1206
D33, D34	2		597-6501-607F	Dialight	LED, Yellow-Green, SMD, Reverse Mount, 1206	1206 Reverse Mount
D35	1		597-6401-607F	Dialight	LED, Yellow, SMD, Reverse Mount, 1206	1206 Reverse Mount
D36	1		597-6001-607F	Dialight	LED, Red, SMD, Reverse Mount, 1206	1206
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
J1, J2	2		15-91-2040	Molex	Header, 100mil, 2x2, Tin, SMT	2x2 100mil Tin Header
R1	1	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47 k, 5%, 0.063 W, 0402	0402
R2, R3	2	2.2k	CRCW04022K20JNED	Vishay-Dale	RES, 2.2 k, 5%, 0.063 W, 0402	0402
R6, R7	2	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
RD01, RD02, RD03, RD04, RD05, RD06, RD07, RD08, RD09, RD10, RD11, RD12, RD17, RD18, RD19, RD20, RD21, RD22, RD23, RD24, RD25, RD26, RD27, RD28, RD29, RD30, RD31, RD32, RD33, RD34, RD35, RD36	32	620	CRCW0402620RJNED	Vishay-Dale	RES, 620, 5%, 0.063 W, 0402	0402
RE01, RE02, RE03, RE04, RE05, RE06, RE07, RE08, RE09, RE10, RE11, RE12, RE13, RE14, RE15, RE16	16	470	CRCW0402470RJNED	Vishay-Dale	RES, 470, 5%, 0.063 W, 0402	0402

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U1	1		MSP430FR2633IRHB	Texas Instruments	MSP430 Captivate Microcontroller	RHB (32VQFN)
U2, U3	2		TCA9535PWR	Texas Instruments	Remote 16-Bit I2C and SMBus, Low-Power I/O Expander with Interrupt Output and Config Register, 1.65 to 5.5 V, -40 to 85 degC, 24-pin TSSOP (PW), Green (RoHS & no Sb/Br)	PW0024A