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## SR005 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		SR005	Any	Printed Circuit Board	
2	C1, C2, C3	3	2.2µF	8.90334E+11	Würth Electronics	2.2 µF Film Capacitor 310V - Polypropylene (PP), Metallized Radial	PTH2_26MM0_15MM0
3	C4, C5, C6, C7	4	2.2nF	DE2E3SA222MA3BX02F	Murata	Cap Ceramic Disc 2200pF 20% 300VAC Thru-Hole 8.0x4.0x7.5 Bulk	RADIAL_CAP_8MM0_4MM0_7MM5
4	C8, C9	2	680pF	DE2B3SA681KN3AX02F	Murata	Cap Ceramic Disc 680pF 10% 300VAC Thru-Hole 7.0x4.0x7.5 Ammo pack	RADIAL_CAP_7MM0_4MM0_7MM5
5	C10	1	4.7nF	DE2E3SA472MA3BX02F	Murata	Cap Ceramic Disc 4700pF 20% 300VAC Thru-Hole 10.0x5.0x7.5 Bulk	RADIAL_CAP_10MM0_5MM0_7MM5
6	C11	1	8200pF	GCD188R71H822KA01D	MuRata	CAP, CERM, 8200 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
7	C12	1	4700pF	C0603C472J5RACTU	Kemet	CAP, CERM, 4700 pF, 50 V, +/- 5%, X7R, 0603	0603
8	C13	1	0.047uF	CGA3E2X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
9	C14	1	1uF	CGA3E1X7R1E105K080AC	TDK	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
10	C15	1	1uF	C2012X7R1H105K085AC	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
11	C16	1	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1206	1206
12	C17, C18	2	0.01uF	C0603X103K5RACTU	Kemet	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0603	0603
13	C19	1	10pF	CGA3E2C0G1H100D080AA	TDK	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
14	C20	1	1000pF	GRM31BR73A102KW01L	MuRata	CAP, CERM, 1000 pF, 1000 V, +/- 10%, X7R, 1206	1206
15	D3	1		STS321240B301	Eaton	50V Clamp 8A (8/20µs) Ipp Tvs Diode Surface Mount SOD-323	SOD-323
16	H1, H2, H3, H4	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
17	H5, H6, H7, H8	4		NY PMS 440 0038 PH	B&F Fastener Supply	Screw, Pan Head , 4-40, 3/8", Nylon	
18	J1	1		SSW-106-01-G-S	Samtec	Receptacle, 6x1, 2.54mm, Gold, TH	Receptacle, 6x1, 2.54mm, TH
19	J2, J3, J4	3		131-3711-201	Cinch Connectivity	Connector, SMT, SMB Jack Assembly 50 ohm	Connector, SMT, SMB Jack Assembly
20	J5, J6	2		1714968	Phoenix Contact	3 Position Wire to Board Terminal Block Horizontal with Board 0.250" (6.35mm) Through Hole	HDR3
21	J7, J8	2		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
22	L1, L2	2		7448031002	Würth Electronics	2 mH @ 10 kHz 2 Line Common Mode Choke Through Hole 10A DCR 6mOhm	PTH4_23MM0_17MM0
23	R1, R2	2	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
24	R3	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
25	R4	1	698	CRCW0603698RFKEA	Vishay-Dale	RES, 698, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
26	R5	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
27	R6	1	200	CRCW0603200RFKEA	Vishay-Dale	RES, 200, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
28	R7	1	90.9k	CRCW060390K9FKEA	Vishay-Dale	RES, 90.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
29	R8	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
30	R9	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
31	R10, R11, R12	3	330k	RC1206FR-07330KL	Yageo America	RES, 330 k, 1%, 0.25 W, 1206	1206
32	RV1, RV2, RV3	3		V20E300P	Littelfuse	470 V 10 kA Varistor 1 Circuit Through Hole Disc 20mm	RADIAL
33	TP1	1		5011	Keystone Electronics	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
34	U1	1		TPSF12C1QDYRQ1	Texas Instruments	TPSF12C1QDYRQ1	TSOT23-14
35	U2	1		TPS7A4901DGNR	Texas Instruments	Single Output High PSRR LDO, 150 mA, Adjustable 1.2 to 33 V Output, 3 to 36 V Input, with Ultra-Low Noise, 8-pin MSOP (DGN), -40 to 125 degC, Green (RoHS & no Sb/Br)	DGN0008D
36	D1, D2	0		STS321050B331	Eaton	18V Clamp 22A (8/20µs) Ipp Tvs Diode Surface Mount SOD-323	SOD-323
37	FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A