

<b>Assembly</b>		<b>Assembly Description</b>			<b>Rev</b>	<b>U/M</b>	
2-PCB-0024		PCB ASSY, AAA USER MODULE, 319.5MHz, w/o MOTION			B	EA	
Item	Component	Component Description	Rev	Qty Per Assy	U/M	Obs Date	Eff Date
10	1-CAP-0001	CAP, TANT, 10uF, 6.3V, SMD1206	A	1.00000	EA		
	<u>Reference Designators</u>						
	C3						
20	1-CAP-0017	CAP, CERAMIC, X7R, 0.01uF, 25V, SMD 0603	A	2.00000	EA		
	<u>Reference Designators</u>						
	C19						
	C26						
30	1-CAP-0023	CAP, CERAMIC, 0.001uF, 50V, X7R, SMD 0603	A	3.00000	EA		
	<u>Reference Designators</u>						
	C12						
	C17						
	C2						
40	1-CAP-0024	CAP, CERAMIC, 56pF, 50V, NPO, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C9						
50	1-CAP-0033	CAP, TANT, 1.0uF, 10V, SMD	A	1.00000	EA		
	<u>Reference Designators</u>						
	C23						
60	1-CAP-0037	CAP, CERAMIC, 1.0pF, 50V, NPO, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C14						
70	1-CAP-0038	CAP, CERAMIC, 4.7pF, 50V, NPO, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C11						
80	1-CAP-0040	CAP, CERAMIC, 15pF, 50V, NPO, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C8						
90	1-CAP-0049	CAP, CERAMIC, 12pF, 50V, NPO, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C4						
100	1-CAP-0050	CAP, CERAMIC, 3300pF, 50V, X7R, SMD, 0603	A	2.00000	EA		
	<u>Reference Designators</u>						

**Bill Of Materials with Reference Designators**

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	C20						
	C21						
110	1-CAP-0051	CAP, CERAMIC, 0.1uF, 25V, Y5V, SMD 0603	A	2.00000	EA		
	<u>Reference Designators</u>						
	C22						
	C5						
120	1-CAP-0052	CAP, TANT, 22uF, 6.3V, SMD, 3528	A	2.00000	EA		
	<u>Reference Designators</u>						
	C16						
	C24						
130	1-CAP-0055	CAP, CERAMIC, 4.7uF, 16V, 206	A	2.00000	EA		
	<u>Reference Designators</u>						
	C13						
	C7						
140	1-CAP-0056	CAP, CERAMIC, 2.2pf, 50V, SMD1206	A	1.00000	EA		
	<u>Reference Designators</u>						
	C15						
150	1-CAP-0057	CAP, CERAMIC, 2.2pf, 50V, SMD0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C6						
160	1-CAP-0058	CAP, CERAMIC, 1500pf, 50V, SMD0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	C10						
170	1-CRY-0021	CRYSTAL, 32.768KHZ, C002RX	A	1.00000	EA		
	<u>Reference Designators</u>						
	X2						
180	1-CRY-0026	CRYSTAL, 106.5MHZ	A	1.00000	EA		
	<u>Reference Designators</u>						
	X1						
190	1-DIO-0009	DIODE, SWITCHING, DUAL, DAN202K, SMD SOT-23	A	5.00000	EA		
	<u>Reference Designators</u>						
	D4						

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	D5						
	D6						
	D7						
	D8						
200	1-DIO-0013	DIODE, SWITCHING, DUAL, DA204K, SMD SOT-23	A	1.00000	EA		
	<u>Reference Designators</u>						
	D3						
210	1-DIO-0025	DIODE, LED, RED, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	D2						
220	1-DIO-0027	DIODE, TVS, SOT-23	A	1.00000	EA		
	<u>Reference Designators</u>						
	D1						
230	1-DIO-0028	DIODE, LED, AMBER, HLMT-PLOO OPTION 31	A	1.00000	EA		
	<u>Reference Designators</u>						
	D9						
240	1-ICS-0024	IC, ACCELEROMETER, ADXL202, 14LEAD, CERPAK QC-14	A	1.00000	EA		
	<u>Reference Designators</u>						
	U7						
250	1-ICS-0025	IC, FRAM, RAMTRON, FM24C04	A	1.00000	EA		
	<u>Reference Designators</u>						
	U4						
260	1-ICS-0027	IC, OP-AMP, MICROPOWER, TLV2211, SOT-23 (DBV)	A	2.00000	EA		
	<u>Reference Designators</u>						
	U5						
	U6						
270	1-ICS-0036	IC, BUCK, BOOST REGULATING CHARGE PUMP, MAX1759EUB	A	1.00000	EA		
	<u>Reference Designators</u>						
	U1						
280	1-ICS-0037	IC, VOLTAGE SUPERVISOR, TPS3801L30DCK	A	1.00000	EA		
	<u>Reference Designators</u>						
	U8						

Assembly	Assembly Description	Rev	U/M				
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Item	Component	Component Description	Rev	Qty Per Assy	U/M	Obs Date	Eff Date
290	1-IND-0004 <u>Reference Designators</u> L3	IND, CERAMIC, 100nH, 10%, SMD1008	A	1.00000	EA		
300	1-IND-0014 <u>Reference Designators</u> L5 L6	IND, CERAMIC, 18nH, 10%, SMD 1008	A	2.00000	EA		
310	1-IND-0024 <u>Reference Designators</u> L2	IND, CERAMIC, 68nH, 10%, SMD1008	A	1.00000	EA		
320	1-IND-0025 <u>Reference Designators</u> L4	IND, CERAMIC, 680nH, 10%, SMD1008	A	1.00000	EA		
330	1-PCB-0021	PCB, AAA, 319.5MHz, USER MODULE	A	1.00000	EA		
340	1-RES-0036 <u>Reference Designators</u> R11	RES, THICK FILM, 1M, 1/16W, 5%, SMD 0603	A	1.00000	EA		
350	1-RES-0044 <u>Reference Designators</u> R13 R3 R8 R9	RES, THICK FILM, 10K, 1/16W, 5%, SMD 0603	A	4.00000	EA		
360	1-RES-0066 <u>Reference Designators</u> R10 R27	RES, THICK FILM, 10 OHM, 1/10W, 5%, SMD 0603	A	2.00000	EA		
370	1-RES-0072 <u>Reference Designators</u> R16 R6	RES, THICK FILM, 100 OHM, 1/10W, 5%, SMD 0603	A	3.00000	EA		

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2-PCB-0024		PCB ASSY, AAA USER MODULE, 319.5MHz, w/o MOTION			B	EA	
<b>Item</b>	<b>Component</b>	<b>Component Description</b>	<b>Rev</b>	<b>Qty Per Assy</b>	<b>U/M</b>	<b>Obs Date</b>	<b>Eff Date</b>
	R7						
380	1-RES-0088	RES, THICK FILM, 68K, 1/10W, 5%, SMD 0603	A	2.00000	EA		
	<u>Reference Designators</u>						
	R25						
	R26						
390	1-RES-0089	RES, THICK FILM, 200K, 1/10W, 5%, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	R12						
400	1-RES-0090	RES, THICK FILM, 10M, 1/10W, 5%, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	R4						
410	1-RES-0091	RES, THICK FILM, 0 OHMS, SMD 0603	A	2.00000	EA		
	<u>Reference Designators</u>						
	R21						
	R5						
420	1-RES-0094	RES, THICK FILM, 2.4K, 1/10W, 5%, SMD 0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	R20						
430	1-RES-0100	RES, THICK FILM, 6.8K, 1/10W, 5%, SMD0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	R1						
440	1-RES-0101	RES, THICK FILM, 7.5K, 1/10W, 5%, SMD0603	A	1.00000	EA		
	<u>Reference Designators</u>						
	R2						
450	1-SWI-0002	SWITCH, DIP, 4 POLE, SMD, GDH04S	A	2.00000	EA		
	<u>Reference Designators</u>						
	S4						
	S5						
460	1-SWI-0006	SWITCH, DOME, PNP-10	A	3.00000	EA		
	<u>Reference Designators</u>						
	S1						
	S2						

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	S3						
470	1-TRA-0014	TRANSISTOR, NPN, BFS17A, SMD SOT-23	A	2.00000	EA		
	<u>Reference Designators</u>						
	Q2						
	Q3						
480	1-TRA-0016	TRANSISTOR, FET, P CHANNEL, MGSF1P02ELT1, SOT-23	A	2.00000	EA		
	<u>Reference Designators</u>						
	Q1						
	Q4						
490	2-ICS-0020	FIRMWARE, AAA USER MODULE, 319.5MHz	B	1.00000	EA		
	<u>Reference Designators</u>						
	U2						
9000	0-DOC3077	TEST SPECIFICATION, AAA IPERS USER MODULE, 319.5MHz	N/A	1.00000	EA		
9010	0-DOC3078	FINAL TEST PROCEDURE, AAA IPERS USER MODULE 319.5MHz	N/A	1.00000	EA		
9020	0-IAF0810	SCHEMATIC, AAA USER MODULE, 319.5MHz	N/A	1.00000	EA		
9030	0-IAF0811	PWB, AAA USER MODULE, 319.5MHz	N/A	1.00000	EA		