

PAS Device

Item	QTY	Designator	Description 1	Manufacturer	Manufacturer Part Number	Source/Rep/Dist
1	1	ANT1	1.57 GHz Antenna	Johanson Technology Inc.	1575AT47A40E	Arrow
2	1	ANT2	915 MHz Antenna	Johanson Technology Inc.	0915AT43A0026	Arrow
3	1	BT1	BATTERY LITHIUM 3.1V RECHARGE	Seiko Instruments	MS518SE-FL35E	Seiko
4	1	C1	CAP 2200PF 25V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EB1E222K	Arrow
5	2	C2, C3	CAP CER 2.2PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S2R2BV4T	Arrow
6	5	C4, C5, C46, C47, C221	CAP 22PF 50V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EC1H220J	Arrow
7	3	C7, C201, C214	CAP CER 47PF 50V NP0 0402	Johanson Dielectrics Inc	500R07N470JV4T	Arrow
8	15	C10, C12, C15, C17, C19, C22, C24, C26, C28, C30, C32, C40, C42, C115, C222	CAP .1UF 10V CERAMIC X5R 0402	Panasonic - ECG	ECJ-0EB1A104K	Arrow
9	3	C11, C21, C34	CAP CERAMIC 10UF 10V 0603 X5R	Panasonic - ECG	ECJ-1VB1A106M	Arrow
10	5	C13, C35, C37, C39, C41	CAP CER 4.7UF 10V Y5V 0603	Murata Electronics North America	GRM188F51A475ZE20D	Arrow
11	12	C14, C16, C18, C20, C23, C25, C27, C29, C31, C33, C36, C38	CAP CERAMIC 1UF 10V X5R 0402	Panasonic - ECG	ECJ-0EB1A105M	Arrow
12	1	C44	CAP .01UF 25V CERAMIC X7R 0402	Panasonic - ECG	ECJ-0EB1E103K	Arrow
13	6	C45, C100, C101, C202, C203, C208	CAP 100PF 50V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EC1H101J	Arrow
14	2	C48, C217	CAP CER 5.6PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S5R6CV4T	Arrow
15	1	C114	CAP CER 5.1PF 50V C0G 0402	Murata Electronics North America	GRM1555C1H5R1DZ01D	Arrow
16	5	C116, C204, C212, C213, C215	CAP CER 33PF 25V S 0402 UHI Q	Johanson Technology Inc	250R07S330GV4T	Arrow
17	2	C205, C207	CAP CER 3.6PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S3R6BV4T	Arrow
18	1	C206	CAP CER 6.2PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S6R2CV4T	Arrow
19	2	C209, C226	CAP 10000PF 16V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EB1C103K	Arrow
20	1	C210	CAP 1000PF 25V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EB1E102K	Arrow
21	4	C211, C223, C224, C225	CAP 27PF 50V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EC1H270J	Arrow
22	1	C216	CAP CER 10PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S100JV4T	Arrow
23	1	C218	CAP CER 3.3PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S3R3BV4T	Arrow
24	1	C219	CAP 1.5PF 50V CERAMIC 0402 SMD	Panasonic - ECG	ECJ-0EC1H1R5C	Arrow
25	1	C220	CAP CER 10UF 16V X5R 20% 0805	AVX Corporation	0805YD106MAT2A	Arrow
26	1	C227	CAP CER 15PF 50V S 0402 UHI Q	Johanson Technology Inc	500R07S150JV4T	Arrow
27	2	D2, D6	DIODE SW 250MA 80V 150W SOT-523	Micro Commercial Co	MMBD4448HT-TP	Arrow
28	2	D4, D5	DIODE SCHOTTKY 500MA 20V 0603	Comchip Technology	CDBU0520	Arrow
29	1	DS1	LCD DISP TFT 2.0" 176 x 220 B/L	Crystalfontz	CFAF176220M-T	Arrow
30	1	FB200	FERRITE CHIP 30 OHM 2200MA 0402	Murata Electronics North America	BLM15PD300SN1D	Arrow
31	2	FLT200, FLT201	FILTER SAW ISM 915MHZ RFID SMD	Murata Electronics North America	SAFEB915MAL0F00R12	Arrow
32	1	J2	CONN FPC/FFC 5POS .5MM R/A SMD	FCI	SFV5R-2STE1LF	Arrow
33	1	J3	CONN RCPT MINI USB2.0 5POS SMD	Hirose Electric Co Ltd	UX60RA-MB-5ST	Arrow
34	1	L2	CER INDUCTOR 4.7NH 0402	Johanson Technology Inc	L-07C4N7SV6T	Arrow

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35	3	L201, L202, L206	INDUCTOR 10NH 500MA 0402	Murata Electronics North America	LQW15AN10NJ00D	Arrow
36	1	L203	INDUCTOR 11NH .64A WW 0402	Würth Electronics Inc	744765111A	Arrow
37	1	L204	CER INDUCTOR 27NH 0402	Johanson Technology Inc	L-07C27NV6T	Arrow
38	1	L205	CER INDUCTOR 2.2NH 0402	Johanson Technology Inc	L-07C2N2SV6T	Arrow
39	1	L207	INDUCTOR MULTILAYER 1.6NH 0402	TDK Corporation	MLG1005S1N6S	Arrow
40	1	L208	CER INDUCTOR 15NH 0402	Johanson Technology Inc	L-07C15NV6T	Arrow
41	1	LS1	BUZZER MAGNETIC 3V 5MM SMD	PUI Audio	SMT-0540-S-R	PUI Audio
42	1	MD1	MODULE GPS	Wi2Wi	W2SG0006-006F-11WW	Roy Zappia
43	1	MD100	MOD 802.15.4/ZIGB 900MHZ RF OUT	Panasonic	ENW-59611N3A	Arrow
44	1	MP1	RF Shield, 27.89 x 17.96 x 2.5 mm (48 MHz)	Genesis	GTI09-60347 Rev6	Ken Erickson
45	1	MP2	RF Shield, 18.97 x 23.47 x 2.5 mm (900 MHz)	Genesis	GTI09-60348 Rev5	Ken Erickson
46	1	P2	CONN HEADER 3POS 1.25MM VERT SMD	Molex Connector Corporation	53398-0371	Arrow
47	1	P200	CONN RECEPT COAX SWITCHING SMT	Hirose Electric Co Ltd	MS-147(06)	Arrow
48	3	Q1, Q2, Q3	MOSFET N-CH 20V 200MA 3-DFN	Diodes Inc	DMN2005LP4K-7	Arrow
49	1	Q4	MOSFET P-CH 20V 1.5A 3-DFN	Diodes Inc	DMP2104LP-7	Arrow
50	1	R2	RES 174K OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF1743X	Arrow
51	5	R3, R100, R101, R200, R202	RES 1.0K OHM 1/16W 5% 0402 SMD	Rohm Semiconductor	MCR01MZPJ102	Arrow
52	3	R4, R5, R6	RESISTOR 6.2 OHM 1/10W 5% 0402	Panasonic - ECG	ERJ-2GEJ6R2X	Arrow
53	3	R7, R201, R203	RES 0.0 OHM 1/16W 5% 0402 SMD	Rohm Semiconductor	MCR01MZPJ000	Arrow
54	1	R8	RES 20K OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ203X	Arrow
55	2	R9, R19	RES 560 OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ561X	Arrow
56	1	R10	RES 2.10K OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF2101X	Arrow
57	1	R11	RES 71.5K OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF7152X	Arrow
58	6	R12, R25, R26, R27, R28, R30	RES 10K OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ103X	Arrow
59	1	R13	RESISTOR 1.0 OHM 1/10W 5% 0603	Panasonic - ECG	ERJ-3GEYJ1R0V	Arrow
60	2	R14, R15	RES 27.0 OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF27R0X	Arrow
61	1	R16	RES 100K OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ104X	Arrow
62	1	R17	RES 1.00M OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF1004X	Arrow
63	1	R18	RES 3.74M OHM 1/16W 1% 0402 SMD	Vishay/Dale	CRCW04023M74FKED	Arrow
64	3	R20, R21, R22	RES 300 OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ301X	Arrow
65	1	R24	RES 249K OHM 1/10W 1% 0402 SMD	Panasonic - ECG	ERJ-2RKF2493X	Arrow
66	1	R31	RES 200 OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ201X	Arrow
67	1	R33	RES ZERO OHM 1/10W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEY0R00V	Arrow
68	2	R34, R35	RES 5.1K OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ512X	Arrow
69	2	R204, R205	RES 120 OHM 1/10W 5% 0402 SMD	Panasonic - ECG	ERJ-2GEJ121X	Arrow
70	1	SEN1	Omnidirectional Tilt and Vibration Sensor	SignalQuest Precision Microsensors	SQ-SEN-200	SignalQuest
71	1	SW1	SWITCH TACT SPST W/O GND SMD	Omron Electronics Inc-ECB Div	B3U-1000P	Arrow
72	1	SW2	SWITCH LIGHT TOUCH 160GF SMD	Panasonic - ECG	EVQ-PSD02K	Arrow

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73	1	U1	IC MCU 16K FLASH 1K 68-QFN	Cypress Semiconductor Corp	CY8C3866LTI-030ES3	Arrow
74	1	U3	IC FLASH 4MBIT 66MHZ 8MLF	Atmel	AT45DB041D-MU-2.5	Arrow
75	2	U4, U7	IC REG ULDO 300MA 3.0V 4-MLF	Micrel Inc	MIC5303-3.0YMT TR	Arrow
76	1	U5	IC REG ULDO 300MA 3.3V 4-MLF	Micrel Inc	MIC5303-3.3YMT TR	Arrow
77	1	U6	IC USB POWER MANAGER 14-DFN	Linear Technology	LTC4085EDE#PBF	Arrow
78	1	U8	Integrated Common Mode Filter DFN8	On Semi	NUC2401MN	Kenny Walker
79	2	U100, U200	IC SW SPDT 0.1-2.5GHZ SOT23-6	Skyworks Solutions Inc	AS193-73LF	Arrow
80	1	U201	IC OP AMP WIDEBAND RF TSLP-7	Infineon Technologies	BGA 622L7 E6327	Arrow
81	1	U202	IC GSM POWER AMP 3V 16-QFN	RFMD	RF5110GTR7	Ken Erickson
82	1	Y1	CRYSTAL 32.768 KHZ 7PF SMD	Suntsu Frequency Control, Inc.	SCP8-32.768kHz TR	Suntsu