

Synapsense Item Number	Description	Eng Qty	Prod Qty	Ref Des	Digikey PN	Manufacturer	Mnfr PN
31-0023-003	Cap. 0.01uF 50V X7R 0402 (RoHS Comp)	2	2	C1, C59	PCC22270CT-ND	Panasonic	ECJ-0EB1E103K
31-0025-003	Cap. 10uF 50V NPO 0402	3	3	C11, C18, C20	PCC100CQCT-ND	Panasonic	ECJ-0EC1H100D
31-0075-003	Cap. 0.1uF X7R 16V 0402 (RoHS Comp)	41	41	C2-C10, C12, C14-C17, C19, C22, C23, C30, C31, C36, C40, C47, C49-C54, C62, C66, C73, C75, C77, C87-C92, C101, C113	587-1451-1-ND	Taiyo Yuden	EMK105B7104KV-F
31-0488-001	CAP CER .1uF 50V 10% X7R 0603	3	3	C55, C102, C103	490-1519-1-ND	Murata	GRM188R71H104KA93D
31-0073-003	CAP CER 22PF 50V 5% COG 0402	2	2	C63, C64	490-1283-1-ND	Murata	GRM1555C1H220J201D
31-0070-003	CAP 33000PF 10V CERAMIC X5R 0402	23	23	C13, C21, C24-C27, C29, C32, C41, C42, C45, C67, C71, C74, C82, C84, C85, C94-C99	PCC2140CT-ND	Panasonic	ECJ-0EB1A333K
31-0613-001	CAP CER 1.0PF 50V 0402 HIGH FREQ	2	2	C38, C39	587-1007-1-ND	Taiyo Yuden	UVK105CH010BW-F
31-0612-001	CAP CER 1.5PF 50V 0402 HIGH FREQ	1	1	C37	587-1011-1-ND	Taiyo Yuden	UVK105CH1R5BW-F
31-0630-001	CAP 2200PF 50V CERAMIC X7R 0402	6	6	C43, C70 C78-C81	399-3068-1-ND	Kemet	C0402C222K5RAC-TU
31-0631-001	CAP CER 1.0uF 16V 10% X5R 0603	2	2	C28, C61	490-1538-1-ND	Murata	GRM188R61C105KA93D
31-0645-001	CAP TANTALUM 10uF 16V 10% SMD	1	1	C35	495-2236-2-ND	Kemet	B45196H3106K109
31-0689-001	CAP 47uF 35V ELECT HD SMD	1	1	C46	PCE4968CT-ND	Panasonic	EEE-HDV470XAP
31-0015-001	Cap. 4.7uF X5R 25V 0805 (RoHS Comp)	6	6	C48, C56, C67, C60, C65, C86	PCC2321CT-ND	Panasonic	ECJ-2FB1E475M
31-0687-001	CAP 10uF 50V CERAMIC F 1210	1	1	C58	PCC2308CT-ND	Panasonic	ECJ-4YF1H106Z
31-0767-001	CAP CER 2.2uF 10V 20% X5R 0603	3	3	C68, C72, C76	490-1546-1-ND	Murata	GRM188R61A225ME34D
31-0768-001	CAP CER 470PF 50V 5% COG 0402	1	1	C59	490-1297-1-ND	Murata	GRM1555C1H471JA01D
41-0769-001	DIODE SCHOTTKY 40V 1A SOD123	5	5	D1-D3, D5, D6	MBRX140TPMSCT-ND	Micro Commercial	MBRX140-TP
41-0691-001	DIODE SCHOTTKY 60V 3A SMA	1	1	D4	B360A-FDICT-ND	Diodes Inc.	B360A-13-F
40-0692-001	FUSE RESETTABLE .75A 30V SMD	1	1	F1	MF-SM075CT-ND	Bourns	MF-SM075-2
36-0130-002-B	CONN RECEPT 2MM 8POS VERT SMT JTAG (RoHS Comp)	1	0	J1	WM18699-ND	Molex	79109-1003
36-0190-001	Header, SMT, Molex Microfit, 7x2 Right Angle (RoHS Comp)	1	1	J3	538-43045-1411	Molex	43045-1411
36-0169-002	Connector, Power Jack 2.1 x 5.5mm, TH (RoHS Comp)	1	1	J4	CP-002A-ND	CUI Inc.	PJ-002A
36-0633-001	CONN HEADER FEMALE 10PS, 1" DL GOLD	1	1	J5	S7108-ND	Sullins	PPPC052L-FBN-RC
36-0707-001	CONN RCPT MICRO USB TYPE AB	1	1	J6	A97799CT-ND	Tyco	1981584-1
36-0771-001	CONN FPC/FCF 60POS .5MM R/A SMD	0	0	J7	609-3439-1-ND	FCI	10085901-601SELF
43-0078-001	FERRITE 1.5A 40 OHM 0805 SMD (RoHS Comp)	5	5	L1-L4, L9	240-2389-1-ND	Steward	MI0805K400R-10
43-0634-001	INDUCTOR 3.9NH 170MA 0402	2	2	L5, L7	490-1131-1-ND	Murata	LQP15MN3N9B02D
43-0635-001	INDUCTOR 4.7NH 160MA 0402	1	1	L6	490-1132-1-ND	Murata	LQP15MN4N7B02D
43-0772-001	COIL CHOKE 22uH SHIELDED SMD	1	1	L8	PCC2267CT-ND	Panasonic	ELL-6P220M
41-0077-003	LED 470NM BLUE CLEAR 0603 SMD	1	1	LED1	511-1589-1-ND	Rohm	SML-E12BC7T186
41-0077-001-A	LED, Red, Clear Lens, 0603 SMT (RoHS Comp)	4	4	LED2, LED4, LED5, LED9	511-1298-1-ND	Rohm	SML-310LT186
41-0077-002	LED 1.6X0.8MM 568NM GRN CLR SMD	3	3	LED3, LED6, LED8	754-1118-1-ND	Kingbright	APT1608MGC
41-0491-001	LED, ORANGE, 0603, SMD (RoHS Comp)	1	1	LED7	511-1297-1-ND	Rohm	SML-310DT186
26-0601-001	LIGHT PIPE, 3x5.5MM, RA, RECT, SMD (RoHS COMP)	3	3	LP1-LP3	67-1659-ND	Lumex	LPF-R01136S
41-0026-001	MOSFET PWR P-CHAN 1.3A 20V SOT23	2	2	Q1, Q2	NTR1P02LT1GOSCT-ND	On Semiconductor	NTR1P02LT1G
41-0661-001	MOSFET N-CH 60V 115MA SOT-23	3	3	Q3-Q5	2N7002NCT-ND	Fairchild	2N7002
29-0093-003	Resistor, 43k Ohm, 1%, 0402 (RoHS Comp)	1	1	R1	311-43.0KLRCT-ND	Yageo	RC0402FR-0743KL
29-0146-003	Resistor, 10k ohm 0.1% 0402 (RoHS Comp)	15	15	R10, R12, R13, R16, R17, R18, R20, R24, R25, R27, R28, R30, R31, R33, R44	P10KDCT-ND	Panasonic	EAA-2EA6103X
29-0507-001	RES 20K OHM 1/16W 0.1% 0402 SMD (RoHS Comp)	9	9	R11, R14, R18, R21-R23, R26, R29, R32	RG10P20KBCT-ND	Susumu	RG1005P-203-B-T5
29-0092-003-A	Resistor, 10k Ohm, 0402 (RoHS Comp)	6	6	R8, R15, R36, R45, R48, R51	311-10.0KLRCT-ND	Yageo	RC0402FR-0710KL
29-0087-003	Resistor, 100 ohm 0402 (RoHS Comp)	5	5	R2, R5, R37, R38, R46	311-100JRTR-ND	Yageo	RC0402JR-07100RL
29-0377-001	RES 0 OHM 1/10W 5% 0603 SMD (RoHS Comp)	1	1	R4	P0.0GTR-ND	Panasonic	ERJ-3GEY0R00V
29-0098-003-A	Resistor, 220 ohm, 0402 (RoHS Comp)	4	4	R3, R6, R34, R47	RHM220LCT-ND	Rohm	MCR01MZPF2200
29-0773-001	RES 4.70K OHM 1/10W 1% 0402 SMD	2	2	R39, R40	P4.70KLCT-ND	Panasonic	ERJ-2RK4701X
29-0049-003	Resistor, 11.3k ohm 0.5% 0402	1	1	R42	RR05P11.3KDCT-ND	Susumu	RR0510P-1132-D
29-0141-003	Resistor, 110k ohm 1% 0402	1	1	R41	P110KLCT-ND	Panasonic	ERJ-2RK1103X
29-0774-001	RES. 20 OHM 1/4W 1% 0805 SMD	1	1	R43	RHM.20MCT-ND	Rohm	MCR10EZHFLR200
29-0706-001	RES. 39.0 Ohm, 1%, 0402 (RoHS COMP)	2	2	R49, R50	P39.0LCT-ND	Panasonic	ERJ-2RK39R0X
29-0574-001	RES 120 OHM 1/10W 1% 0603 SMD	2	2	R9, R52	311-120HRCCT-ND	Yageo	RC0603FR-07120RL
29-0097-003	Resistor, 5.1M Ohm, 0402 (RoHS Comp)	1	1	R7	P5.1MJCT-ND	Panasonic	ERJ-2GEJ515X
29-0440-001	RES 22.0K OHM 1/16W 1% 0402 SMD	1	1	R35	311-22.0KLRCT-ND	Yageo	RC0402FR-0722KL
40-0775-001	SWITCH TACT SPST W/O GND SMD	2	2	SW1, SW2	SW1020CT-ND	Omron	B3U-1000P
40-0522-001	SWITCH TACT SILVR 200GF GULLWING	2	2	SW3, SW4	401-1097-1-ND	C&K	KSS221GLFS
32-0101-001	IC, DS2411 Silicon Serial Number SOT-23 (RoHS Comp)	1	1	IC1	DS2411R+CT-ND	Maxim	DS2411R+
11-0606-001	PCBA, SUPER NODE, RADIO BOARD	1	1	U1		Synapsense	11-0606-001
32-0525-001	IC SRL FLASH 32MBIT 2.7V 8-SOIC	1	1	U3	AT25DF321-SU-ND	Atmel	AT25DF321
32-0524-001	IC MCU 16BIT 256K FLASH 100-LQFP	1	1	U4	296-23859-6-ND	Texas Instruments	MSP430F5438IPZR
32-0506-001	IC, OPAMP GP 5.5MHZ QUAD 14TSSOP	2	2	U5, U7	296-22565-1-ND	Texas Instruments	OPA4376AIPWR
32-0714-001	IC, TEMP/HUM SENSOR, HIGH PRECISION, 4-PINS (RoHS COMP)	1	0	U6		Sensirion	SH75
32-0639-001	Low Power 2.4GHz Wireless Transceiver with 8051 MCU	1	1	U8	NRF24LE1-Q48-T	Nordic Semi	NRF24LE1-F16Q48-T
32-0776-001	IC SDRAM 64MBIT 133MHZ 54TSSOP	0	0	U9	557-1088-1-ND	Micron Tech	MT48LC4M16A2P-75G-TR
32-0777-001	IC LDO REG 300MA 3.3V SOT223-3	1	1	U11	MCP1824ST1-3302E/DBCT-ND	Microchip	MCP1824ST1-3302E/DB
32-0778-001	IC MCU AVR32 256KB FLASH 144LQFP	1	1	U12	AT32UC3A0256-ALUT-ND	Atmel	AT32UC3A0256-ALUT
41-0580-001	DIODE ARRAY ESD 5.0V LLP75-6A	1	1	U13	751-1413-1-ND	Vishay	GMF05-C53-GS08
32-0779-001	IC REG POS 100MA 18V SOT-89	0	0	U14	497-7280-1-ND	STMicro	L78L18ACUTR
32-0100-001	IC FLASH 8MBIT 75MHZ 8SOIC	1	1	U15	M25P80-VMW6TGDKR-ND	STMicro	M25P80-VMW6TG
59-0105-003	Crystal, 32KHz, 12.5pF, SMT (RoHS Comp)	1	1	X1	300-8340-1-ND	Citizen America	CMR200T32168KD2F-UT
59-0638-001	CRYSTAL 16.0MHZ 12PF SMD	1	1	X2	478-4362-1-ND	AVX	CX5032S616000HPESZZ
59-0780-001	CRYSTAL 12.0MHZ 12PF SMD	1	1	X3	478-4348-1-ND	AVX	CX49GFB12000H0PESZZ