

Quantity	Designator	DeLaval art no	Value	Case	Description	Comment	Manufacturer
1	A1	2150000605			BLE antenna	Antenna coil w	
45	C1, C2, C3, C5,	85811026	100NKX	0402	Ceramic Chip C	0402 100n 10%	Murata Manufa
6	C4, C13, C45, C	2150003745	4U7MV	0402	Ceramic Chip C	0402 4.7uF 20%	Samsung
1	C7	85811032	2N2KX	0402	Ceramic Chip C	0402 2.2n 10%	Samsung
4	C9, C12, C19, C	92959739	1U0KV	0603	Ceramic Chip C	0603 1u 10% 5	Samsung
3	C18, C29, C73	85811038	10NKX	0402	Ceramic Chip C	0402 10n 10%	Samsung
21	C26, C28, C33,	90637732	10UKX	1206	Ceramic Chip C	1206 10u 10%	Samsung
2	C27, C34	85811019	47P1N	0402	Ceramic Chip C	0402 47p 5% 5	Samsung
1	C41	64327401	1N0KX	1808	Ceramic Chip C	1808 1n 10% 2	TDK Corporati
5	C59, C60, C61,	85576146	2U2KV	0603	Ceramic Chip C	0603 2.2u 10%	Murata Manufa
2	C78, C79	2150008064	1U0KX	1206	Ceramic Chip C	1206 1u 10% 1	Samsung
1	C86	90637733	100NKX	1206	Ceramic Chip C	1206 100n 10%	Kemet Electron
10	C102, C202, C3	85811034	330P1N	0402	Ceramic Chip C	0402 330p 10%	Samsung
2	D1, D6	2150003749	DLPA006	SOT-363	TVS DIODE 85V	DLPA006	Diodes Inc.
2	D2, D3	85651913	LOG T77K	(SMD-4)	SMD LED dual,	LOG T77K	OSRAM Opto S
1	D4	87915605	RCLAMP3374N	SON-10	TVS DIODE 3.3V	RCLAMP3374N	Semtech Corp
12	D7, D8, D101, D	91753209	1N4148X	SOD-523	Switching Diode	1N4148X	MCC Micro Co
2	D9, D10	90526617	SMA6J26A	DO-214AC	Transient Volta	SMA6J26A-TR	ST Microelectr
10	D11, D12, D13,	90526618	SMAJ26CA	DO-214AC	Transient Volta	SMAJ26CA-TP	MCC Micro Co
2	D30, D31	85634816	MBRAF440	SMA-FL	Schottky Powe	MBRAF440	ON Semicondu
7	D33, D34, D35,	85634815	PMEG4010	SOD-993	40V 1A low VF	PMEG4010AES	Nexperia
1	L2	85635312	33UM	(SMD-2)	FIXED IND 33U	NRS6028T330N	Taiyo Yuden
1	L3	85635313	10UM	(SMD-2)	Wire-wound in	LQH32PN100M	Murata Manufa
4	L6, Z1, Z5, Z8	85677307	220ohm@100MHz	0603	FERRITE BEAD	MH1608-221Y	Bourns Inc.
1	P1	490105797			PCB pin head	OQ125E00B00	ANYTEK
1	P2	490105798			PCB pin head	OQ085E00B00	ANYTEK
1	P3	2150003901	5556416	RJ45 TH	RJ45 Jack Mod	top connector	TE
1	Q1	85652405	PBLS4002	SOT-363	NPN/PNP pair	PBLS4002Y	Nexperia
3	R2, R6, R60	85810992	348RFW	0402	Thick film chip	0402 348R 1%	Vishay
4	R3, R4, R59, R6	85810950	560RFW	0402	Thick film chip	0402 560R 1%	Vishay
12	R7, R8, R9, R10	85810997	49R9FW	0402	Thick film chip	0402 49R9 1%	Vishay
5	R11, R12, R21,	85810986	2K49FW	0402	Thick film chip	0402 2K49 1%	Vishay
4	R17, R18, R37,	85810991	75R0FW	0402	Thick film chip	0402 75R0 1%	Vishay
4	R20, R38, R48,	85810985	4K87FW	0402	Thick film chip	0402 4K87 1%	Yageo
3	R26, R27, R32	85810994	100KBZ	0402	Thin film chip r	0402 100K 0.1%	Yageo
1	R28	85810995	11K0BZ	0402	Thin film chip r	0402 11K 0.1%	Yageo
1	R29	85810998	5K76BZ	0402	Thin film chip r	0402 5K76 0.1%	Yageo
2	R31, R69	85810975	150KFW	0402	Thick film chip	0402 150K 1%	Vishay
2	R33, R36	855832 59	390RFW	0603	Thick film chip	0603 390R 1%	Panasonic
1	R34	85810996	33K0BZ	0402	Thin film chip r	0402 33K 0.1%	Yageo
3	R41, R42, R43	85810902	0RW	0402	Thick film chip	0402 0R 1% 50	Vishay
12	R45, R50, R101	85810989	48K7FW	0402	Thick film chip	0402 48K7 1%	Vishay
9	R51, R52, R53,	98982180	1K00FW	0805	Thick film chip	0805 1K 1% 15	Rohm Semicon
1	R58	85583204	3K90FW	0603	Thick film chip	0603 3k90 1%	KOA Speer Elec
10	R102, R202, R3	98982182	4K70FW	0805	Thick film chip	0805 4k7 1% 1	Rohm Semicon
1	T4	2150006249	749020100A		ETH transforme	ETH transforme	Würth Elektr
1	U2	87742802	SG-210-50M000		OSC XO 50.000	SG-210STF 50.0	Seiko-Epson
1	U3	87749005	CY8C4248LQI	QFN-56	Programmable	CY8C4248LQI-I	Cypress Semic
1	U4	90535224	DP83848	QFN-80	IC TXRX ETHER	DP83848KSQ/N	Texas Instrume

2	U5, U7	88255403	MP2456	SOT-23/6	0.5A Buck Regu	MP2456GJ	Monolithic Pow
1	U6	87749002	STM32F427	QFP-100	IC MCU 32BIT	STM32F427VG	ST Microelectr
1	U8	2150003731	MX25L6433	VSOP-8	3V, 64M-BIT [x	Flash memory	Macronix Intern
10	U101, U201, U3	90535230	TJA1027	SON-8	LIN 2.2A/SAE J	TJA1027TK/20	NXP
1	Y2	85684610	TSX3225-24M000	(SMD-4)	Crystal, 24.000	TSX3225-24.00	Seiko-Epson
1	Z7	90690910	180ohm@100MHz	0603	FERRITE BEAD	BLM18EG181S	Murata Manufa

ManPartNumber	Footprint	LibRef
	BLE_ANTENNA	THOR-0189
GRM155R71H1	CAPC1005X55N	THOR-0001
CL05A475MP5	CAPC1005X55N	THOR-0231
CL05B222KB5N	CAPC1005X55N	THOR-0006
CL10A105KB8N	CAPC1608X80N	THOR-0003
CL05B103KB5N	CAPC1005X55N	THOR-0002
CL31B106KBHN	CAPC3216X180	THOR-0004
CL05C470JB5N	CAPC1005X55N	THOR-0005
C4520X7R3D10	CAPC4520X150	THOR-0050
GRM188R6YA2	CAPC1608X80N	THOR-0051
CL31B105KCHS	CAPC3216X180	THOR-0319
C1206C104KAF	CAPC3216X180	THOR-0052
CL05C331JB5N	CAPC1005X55N	THOR-0007
DLPA006-7	SOT65P210X11	THOR-0053
LOG T77K-JL-1	LEDM220P520	THOR-0009
RCLAMP3374N	SON65P200X30	THOR-0054
1N4148X-TP	SODFL1608X75	THOR-0008
SMA6J26A-TR	DIOM5126X22	THOR-0014
SMAJ26CA-TP	DIOM5027X26	THOR-0013
MBRAF440T3G	SODFL5126X11	THOR-0012
PMEG4010AES	DFN100X60X30	THOR-0011
NRS6028T330N	INDM6060X28	THOR-0015
LQH32PN100M	INDM3228X17	THOR-0016
MH1608-221Y	FERC1608X100	THOR-0056
OQ125E00B000	HDRV_ANYTEK	THOR-0018
OQ085E00B000	HDRV_ANYTEK	THOR-0057
5556416-1	RJ_V-8-PTH-TE	THOR-0285
PBL54002Y	SOT65P210X11	THOR-0020
CRCW0402348	RESC1005X40N	THOR-0021
CRCW0402560	RESC1005X40N	THOR-0022
CRCW040249R	RESC1005X40N	THOR-0023
CRCW04022K4	RESC1005X40N	THOR-0026
CRCW040275R	RESC1005X40N	THOR-0062
RC0402FR-074	RESC1005X40N	THOR-0082
RT0402BRD071	RESC1005X40N	THOR-0083
RT0402BRD071	RESC1005X40N	THOR-0085
RT0402BRD075	RESC1005X40N	THOR-0086
CRCW0402150	RESC1005X40N	THOR-0044
ERJ-PA3F3900	RESC1608X55N	THOR-0087
RT0402BRD073	RESC1005X40N	THOR-0084
CRCW0402000	RESC1005X40N	THOR-0122
CRCW040248K	RESC1005X40N	THOR-0045
ESR10EZPF100	RESC2012X65N	THOR-0031
RK73H1JTTD39	RESC1608X55N	THOR-0030
ESR10EZPF470	RESC2012X65N	THOR-0025
749020100A	XFMR_7490201	THOR-0312
SG-210STF 50.0	OSCCC200X25	THOR-0063
CY8C4248LQI-F	QFN40P700X70	THOR-0032
DP83848KSQ/N	QFN50P600X60	THOR-0064

MP2456GJ	SOT95P280X10	THOR-0036
STM32F427VG	QFP50P1600X10	THOR-0065
MX25L6433FM	SOIC127P790X	THOR-0276
TJA1027TK/20	SON65P300X10	THOR-0038
TSX3225-24.00	OSCCC320X25	THOR-0132
BLM18EG181S	FERC1608X95N	THOR-0116