

Designator	DeLaval art no	Quantity	Value	Case	Description	Comment	Manufacturer	ManPartNumber	Footprint	LibRef
A1	2150000605	1			BLE antenna 6x10mm with bobbin	Antenna coil with bobbin			BLE_ANTENNA_B	THOR-0189
C1, C2, C3, C12, C13, C14, C15, C18, C20, C21, C25, C32, C40, C43, C48, C57, C58, C61, C64, C69, C75	85811026	21	100NKX	0402	Ceramic Chip Capacitor	0402 100n 10% 50V X7R	Murata Manufacturing Company	GRM155R71H104KE14J	CAPC1005X55N_MUR	THOR-0001
C5, C44, C45, C46, C47, C50, C54	85811032	7	2N2KX	0402	Ceramic Chip Capacitor	0402 2.2n 10% 50V X7R	Samsung	CL05B222KB5NNND	CAPC1005X55N_SAM	THOR-0006
C7, C10, C17, C19	92959739	4	1U0KV	0603	Ceramic Chip Capacitor	0603 1u 10% 50V X5R	Samsung	CL10A105KB8NNNC	CAPC1608X80N_SAM	THOR-0003
C16, C29, C59	85811038	3	10NKX	0402	Ceramic Chip Capacitor	0402 10n 10% 50V X7R	Samsung	CL05B103KB5NNND	CAPC1005X55N_SAM	THOR-0002
C26, C28, C30, C33, C35, C36, C37, C38, C39, C41, C42, C52, C55, C74, C84	90637732	15	10UKX	1206	Ceramic Chip Capacitor	1206 10u 10% 50V X7R	Samsung	CL31B106KBHNNNE	CAPC3216X180N_SAM	THOR-0004
C27	85811019	1	47PJN	0402	Ceramic Chip Capacitor	0402 47p 5% 50V NPO	Samsung	CL05C470JB5NNNC	CAPC1005X55N_SAM	THOR-0005
C51, C60, C62	85811034	3	330PJN	0402	Ceramic Chip Capacitor	0402 330p 10% 50V NPO	Samsung	CL05C331JB5NNND	CAPC1005X55N_SAM	THOR-0007
D2, D3, D81, D82, D83, D84, D85, D86	91753209	8	1N4148X	SOD-523	Switching Diode general purpose 200mW	1N4148X	MCC Micro Commercial Components	1N4148X-TP	SODFL1608X79N_MCC-SOD523	THOR-0008
D4, D101	85651913	2	LOG T77K	(SMD-4)	SMD LED dual, orange and green, isolated, reverse gullwing	LOG T77K	OSRAM Opto Semiconductors	LOG T77K-JL-1-0+GJ-1-Z	LEDM220P520X210-4N_OSRAM-LOG77K	THOR-0009
D33, D34, D35, D36, D37, D76	85634815	6	PMEG4010	SOD-993	40V 1A low VF MEGA Schottky barrier rectifier	PMEG4010AESB	Nexperia	PMEG4010AESB	DFN100X60X30-2N_NXP-SOD993	THOR-0011
D39, D40, D41, D42, D43, D44, D45, D49, D50, D51, D52, D55, D56, D57, D58, D59, D78	85634816	17	MBRAF440	SMA-FL	Schottky Power Diode 40V 4.0A	MBRAF440	ON Semiconductor	MBRAF440T3G	SODFL5126X110N_ON-403AA	THOR-0012
D46, D53, D54, D80	90526618	4	SMAJ26CA	DO-214AC	Transient Voltage Suppressor bi-dir 26V 400W	SMAJ26CA-TP	MCC Micro Commercial Components	SMAJ26CA-TP	DIOM5027X265N_MCC-SMA-BI	THOR-0013
D47, D79	90526617	2	SMA6J26A	DO-214AC	Transient Voltage Suppressor 26VWM 47.9VC SMA	SMA6J26A-TR	ST Microelectronics	SMA6J26A-TR	DIOM5126X223N_ST-SMA	THOR-0014
L2	85635312	1	33UM	(SMD-2)	FIXED IND 33UH 1.1A 286 MOHM SMD	NRS6028T330MMGJ	Taiyo Yuden	NRS6028T330MMGJ	INDM6060X280N_YUDEN-NRS6028	THOR-0015
L3	85635313	1	10UM	(SMD-2)	Wire-wound inductor 10uH 0.75A 30MHz	LQH32PN100MN0	Murata Manufacturing Company	LQH32PN100MN0	INDM3228X170N_MUR-LQH32PN	THOR-0016
L7	90690910	1	180ohm@100MHz	0603	FERRITE BEAD 180 OHM 0603 1LN	BLM18EG181SH1 Ferrite Bead, Wide Band	Murata Manufacturing Company	BLM18EG181SH1	FERC1608X95N_MUR-BLM18EG_S_1	THOR-0116
P1, P2	490105797	2			PCB pin header 12-pole 5.08mm pitch right angle	OQ125E00B000G	ANYTEK	OQ125E00B000G	HDRV_ANYTEK_82135-12G-OB-THR	THOR-0018
Q1	85652308	1	DTC114	SC-75	NPN Bias Resistor	DTC114EET1G	ON Semiconductor	DTC114EET1G	SOT50P160X90-3N_ON-463	THOR-0019
Q2	85652405	1	PBL54002	SOT-363	NPN/PNP pair 500mA	PBL54002Y	Nexperia	PBL54002Y	SOT65P210X110-6N_NXP-SOT363	THOR-0020
R1, R2, R77, R78	85810992	4	348RFW	0402	Thin film chip resistor	0402 348R 1% 50V 0.063W	Vishay	CRCW0402348RFKED	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0021
R4, R13, R14	85810950	3	560RFW	0402	Thin film chip resistor	0402 560R 1% 50V 0.063W	Vishay	CRCW0402560RFKED	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0022
R11, R15	85810995	2	11K0FW	0402	Thin film chip resistor	0402 11K0 1% 50V 0.063W	Vishay	CRCW040211K0FKED	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0289
R12, R18, R21, R30, R43, R44, R45, R46, R50, R82	85810989	10	48K7FW	0402	Thin film chip resistor	0402 48K7 1% 50V 0.063W	Vishay	CRCW040248K7FKED	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0045
R19, R51	98982182	2	4K70FW	0805	Thin film chip resistor	0805 4k7 1% 150V 0.4W	Rohm Semiconductor	ESR10EZPF4701	RESC2012X65N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0025
R20, R31, R39, R40, R41, R42, R69	85810975	7	150KFW	0402	Thin film chip resistor	0402 150K 1% 50V 0.063W	Vishay	CRCW0402150KFKED	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0044
R26, R27, R32	85810994	3	100KBZ	0402	Thin film chip resistor	0402 100K 0.1% 50V 0.063W	Yageo	RT0402BRD07100KL	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0083
R28	85810995	1	11K0BZ	0402	Thin film chip resistor	0402 11K 0.1% 50V 0.063W	Yageo	RT0402BRD0711KL	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0085
R29	85810998	1	5K76BZ	0402	Thin film chip resistor	0402 5K76 0.1% 50V 0.063W	Yageo	RT0402BRD075K76L	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0086
R33, R48	855832 59	2	390RFW	0603	Thin film chip resistor	0603 390R 1% 150V 0.25W	Panasonic	ERJ-PA3F3900V	RESC1608X55N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0087
R34	85810996	1	33K0BZ	0402	Thin film chip resistor	0402 33K 0.1% 50V 0.063W	Yageo	RT0402BRD0733KL	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0084
R35, R36, R37, R38, R92	85583204	5	3K90FW	0603	Thin film chip resistor	0603 3k90 1% 75V 0.1W	KOA Speer Electronics	RK73H1JTTD3901F	RESC1608X55N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0030
R55, R56, R57, R58, R59, R60, R61	98982180	7	1K00FW	0805	Thin film chip resistor	0805 1K 1% 150V 0.4W	Rohm Semiconductor	ESR10EZPF1001	RESC2012X65N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0031
R94	85810997	1	49R9FW	0402	Thin film chip resistor	0402 49R9 1% 50V 0.063W	Vishay	CRCW040249R9FKED	RESC1005X40N_YAG-RT_SUS-RG_SPOLE-RNCF_VIS-CRCW	THOR-0023
U1	87749005	1	CY8C4248LQI	QFN-56	Programmable System-on-Chip ARM Cortex-M0 CPU Bluetooth Low Energy	CY8C4248LQI-BL553	Cypress Semiconductor	CY8C4248LQI-BL553	QFN40P700X700X60_HS-57N_CYP	THOR-0032
U2	2150003731	1	MX25L6433	VSOP-8	3V, 64M-BIT [x 1/x 2/x 4] CMOS SERIAL MULTI I/O FLASH MEMORY	Flash memory MX25L6433FM2I, SOIC-8	Macronix International Co, Inc.	MX25L6433FM2I-08	SOIC127P790X216-8N_MACRONIX-209MIL	THOR-0276
U5, U7	88255403	2	MP2456	SOT-23/6	0.5A Buck Regulator 4.5V to 50V input range 1.2MHz	MP2456GJ	Monolithic Power Systems	MP2456GJ	SOT95P280X100-6N_MPS-TSOT23-6	THOR-0036
U6, U10	88752403	2	BCR401U	SOT-23/6	LED DRIVER	BCR401UE6327HTSA1	Infineon Technologies	BCR401UE6327HTSA1	SOT95P250X110-6N_INF-SC74	THOR-0080
U8	90535233	1	TLE75008EMD	SSOP-24	IC RELAY DRIVER 8CH SPI 24SSOP	TLE75008EMDXUMA1	Infineon Technologies	TLE75008EMDXUMA1	SOP65P600X170_HS-25N_INF-PG-SSOP-24-9	THOR-0037
U9, U11	90535230	2	TJA1027	SON-8	LIN 2.2A/SAE J2602 transceiver HVSON8 package	TJA1027TK/20/1J	NXP	TJA1027TK/20/1J	SON65P300X100_HS-9N_NXP-SOT782-1	THOR-0038
Y2	85684610	1	TSX3225-24M000	(SMD-4)	Crystal, 24.0000MHz, 8pF, ±15ppm, -40 - +85 ±18ppm, SMD, SMD-4	TSX3225-24.0000ME18X-AJ	Seiko-Epson	TSX3225-24.0000ME18X-AJ	OSCCC320X250X80L82X102N_ANY	THOR-0132