

| Quantity | Designator      | DeLaval art no | Value         | Case     | Description      | Comment        | Manufacturer    |
|----------|-----------------|----------------|---------------|----------|------------------|----------------|-----------------|
| 1        | A1              | 2150013350     |               |          | High Efficiency  | Antenna coil w |                 |
| 35       | C1, C2, C3, C7, | 85811026       | 100NKX        | 0402     | Ceramic Chip C   | 0402 100n 10%  | Murata Manufa   |
| 8        | C5, C16, C18, C | 2150004762     | 1U0KV         | 0402     | Ceramic Chip C   | 0402 1u 10% 2  | Murata Manufa   |
| 10       | C6, C8, C9, C12 | 2150003745     | 4U7MV         | 0402     | Ceramic Chip C   | 0402 4.7uF 20% | Samsung         |
| 14       | C22, C26, C28,  | 90637732       | 10UKX         | 1206     | Ceramic Chip C   | 1206 10u 10%   | Samsung         |
| 9        | C23, C53, C90,  | 92959739       | 1U0KV         | 0603     | Ceramic Chip C   | 0603 1u 10% 5  | Samsung         |
| 1        | C27             | 2150003285     | 47PJN         | 0402     | Ceramic Chip C   | 0402 47p 5% 5  | Samsung         |
| 3        | C29, C59, C88   | 85811038       | 10NKX         | 0402     | Ceramic Chip C   | 0402 10n 10%   | Samsung         |
| 2        | C41, C42        | 2150008064     | 1U0KX         | 1206     | Ceramic Chip C   | 1206 1u 10% 1  | Samsung         |
| 10       | C44, C45, C46,  | 85811032       | 2N2KX         | 0402     | Ceramic Chip C   | 0402 2.2n 10%  | Samsung         |
| 3        | C51, C60, C62   | 85811034       | 330PJN        | 0402     | Ceramic Chip C   | 0402 330p 10%  | Samsung         |
| 1        | C99             | 2150014573     | 4U7KV         | 0805     | Ceramic Chip C   | 0805 4.7u 10%  | Samsung         |
| 9        | D1, D4, D5, D6, | 2150003750     | PESD3V3L      | SOD-882  | Low capacitanc   | SOD-882 PESD   | Nexperia        |
| 8        | D2, D3, D81, D  | 91753209       | 1N4148X       | SOD-523  | Switching Diode  | 1N4148X        | MCC Micro Cor   |
| 9        | D10, D11, D12,  | 85634815       | PMEG4010      | SOD-993  | 40V 1A low VF    | PMEG4010AES    | Nexperia        |
| 15       | D21, D22, D23,  | 2150010043     | ARGB1313      | (SMD-6)  | LED Small and    | ARGB1313HS-T   | Stanley Electro |
| 17       | D39, D40, D41,  | 85634816       | MBRAF440      | SMA-FL   | Schottky Power   | MBRAF440       | ON Semicondu    |
| 4        | D46, D53, D54,  | 90526618       | SMAJ26CA      | DO-214AC | Transient Volta  | SMAJ26CA-TP    | MCC Micro Cor   |
| 2        | D47, D79        | 90526617       | SMA6J26A      | DO-214AC | Transient Volta  | SMA6J26A-TR    | ST Microelectrd |
| 1        | D100            | 2150014574     | 156125RV73000 | (SMD-4)  | SMD Bi-color G   | LED 156125RV   | Würth Elektron  |
| 1        | L1              | 2150003715     | 2U2M          | 0806     | FIXED IND 2.2U   | 0806 MAKK201   | Taiyo Yuden     |
| 1        | L2              | 85635312       | 33UM          | (SMD-2)  | FIXED IND 33U    | NRS6028T330N   | Taiyo Yuden     |
| 2        | L3, L4          | 85635313       | 10UM          | (SMD-2)  | Wire-wound in    | LQH32PN100M    | Murata Manufa   |
| 2        | P1, P2          | 490105797      |               |          | PCB pin header   | OQ125E00B00    | ANYTEK          |
| 2        | P3, P5          | 2150014575     | 503480-2400   |          | Easy-On FFC/F    | Connector Mol  | Molex           |
| 1        | P4              | 2150014727     |               |          | Header 10pin 1   | FTSH-105-01-L  | Samtec          |
| 1        | P6              | 2150003713     |               |          | Header 4pin 1.   | FTSH-102-01-F  | Samtec          |
| 1        | Q1              | 85652308       | DTC114        | SC-75    | NPN Bias Resis   | DTC114EET1G    | ON Semicondu    |
| 1        | Q2              | 85652405       | PBLS4002      | SOT-363  | NPN/PNP pair     | PBLS4002Y      | Nexperia        |
| 2        | Q3, Q5          | 2150003737     | DMP2035U      | SOT-23   | MOSFET, P-CH     | DMP2035U       | Diodes Inc.     |
| 1        | Q4              | 2150014576     | AO3434A       | SOT-23   | 30V N-Channe     | AO3434A, 30V   | Alpha & Omeg    |
| 2        | R1, R2          | 85810992       | 348RFW        | 0402     | Thick film chip  | 0402 348R 1%   | Vishay          |
| 2        | R3, R5          | 85810995       | 11K0FW        | 0402     | Thick film chip  | 0402 11K0 1%   | Vishay          |
| 8        | R4, R6, R23, R5 | 85810986       | 2K49FW        | 0402     | Thick film chip  | 0402 2K49 1%   | Vishay          |
| 2        | R7, RF1         | 85810902       | 0RW           | 0402     | Thick film chip  | 0402 0R 1% 50  | Vishay          |
| 10       | R12, R18, R21,  | 85810989       | 48K7FW        | 0402     | Thick film chip  | 0402 48K7 1%   | Vishay          |
| 8        | R13, R14, R15,  | 85810950       | 560RFW        | 0402     | Thick film chip  | 0402 560R 1%   | Vishay          |
| 2        | R19, R51        | 98982182       | 4K70FW        | 0805     | Thick film chip  | 0805 4K70 1%   | Rohm Semicon    |
| 9        | R20, R31, R39,  | 85810975       | 150KFW        | 0402     | Thick film chip  | 0402 150K 1%   | Vishay          |
| 6        | R24, R25, R64,  | 85810997       | 49R9FW        | 0402     | Thick film chip  | 0402 49R9 1%   | Vishay          |
| 6        | 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           |
| 3        | R29, R77, R79   | 85810998       | 5K76BZ        | 0402     | Thin film chip r | 0402 5K76 0.1% | Yageo           |
| 2        | R33, R48        | 85583259       | 390RFW        | 0603     | Thick film chip  | 0603 390R 1%   | Panasonic       |
| 2        | R34, R81        | 85810996       | 33K0BZ        | 0402     | Thin film chip r | 0402 33K0 0.1% | Yageo           |
| 6        | R35, R36, R37,  | 85583204       | 3K90FW        | 0603     | Thick film chip  | 0603 3K90 1%   | KOA Speer Elec  |
| 8        | R55, R56, R57,  | 98982180       | 1K00FW        | 0805     | Thick film chip  | 0805 1K00 1%   | Rohm Semicon    |
| 1        | R68             | 2150014577     | 0R47FW        | 0603     | Thick film chip  | 0603 0R47 1%   | Panasonic       |
| 3        | R83, R84, R85   | 90551213       | 100RFW        | 0805     | Thick film chip  | 0805 100R 1%   | Rohm Semicon    |

|   |                |            |                   |          |                 |                |                 |
|---|----------------|------------|-------------------|----------|-----------------|----------------|-----------------|
| 6 | R86, R87, R88, | 98982183   | 750RFW            | 0805     | Thick film chip | 0805 750R 1%   | Rohm Semicon    |
| 1 | U1             | 2150014578 | CY8C6347BZI-BLD54 | BGA-124  | PSoC 6 MCU: P   | CY8C6347BZI-B  | Cypress Semicd  |
| 1 | U2             | 2150003731 | MX25L6433         | VSOP-8   | 3V, 64M-BIT [x  | Flash memory   | Macronix Intern |
| 2 | U3, U12        | 88752401   | TLC5971           | QFN-24   | 12-Channel, 16  | TLC5971RGE     | Texas Instrume  |
| 1 | U4             | 90741221   | 74HC1G32          | SOT-23/5 | 2-input OR gat  | MC74HC1G32D    | ON Semicondu    |
| 2 | U5, U7         | 88255403   | MP2456            | SOT-23/6 | 0.5A Buck Regu  | MP2456GJ       | Monolithic Pow  |
| 2 | U6, U10        | 88752403   | BCR401U           | SOT-23/6 | LED DRIVER      | BCR401UE6327   | Infineon Techn  |
| 1 | U8             | 90535233   | TLE75008EMD       | SSOP-24  | IC RELAY DRIV   | TLE75008EMD    | Infineon Techn  |
| 2 | U9, U11        | 90535230   | TJA1027           | SON-8    | LIN 2.2A/SAE J  | TJA1027TK/20/  | NXP             |
| 1 | U13            | 2150014579 | MAX31820          | TO-92    | 1-Wire, Parasit | SOT-92 MAX31   | Maxim Integrat  |
| 1 | Y3             | 2150003734 | ECX1637-32M000    | (SMD-4)  | Crystal, 32.000 | Crystal, SMD-4 | ECS Inc.        |
| 3 | Z1, Z2, Z3     | 2150003704 | 330ohm@100MHz     | 0603     | 300Ω, 1.7 A, 80 | 0603 MPZ1608   | TDK Corporatio  |
| 2 | Z4, Z5         | 90690910   | 180ohm@100MHz     | 0603     | FERRITE BEAD    | BLM18EG181S    | Murata Manufa   |

| ManPartNumber | Footprint    | LibRef               |
|---------------|--------------|----------------------|
|               | BLE_ANTENNA  | THOR-0335            |
| GRM155R71H1   | CAPC1005X55N | THOR-0001            |
| GRM155R61E1   | CAPC1005X55N | THOR-0046            |
| CL05A475MP5   | CAPC1005X55N | THOR-0231            |
| CL31B106KBHN  | CAPC3216X180 | THOR-0004            |
| CL10A105KB8N  | CAPC1608X80N | THOR-0003            |
| CL05C470JB5N  | CAPC1005X55N | THOR-0005            |
| CL05B103KB5N  | CAPC1005X55N | THOR-0002            |
| CL31B105KCHS  | CAPC3216X180 | THOR-0319            |
| CL05B222KB5N  | CAPC1005X55N | THOR-0006            |
| CL05C331JB5N  | CAPC1005X55N | THOR-0007            |
| CL21A475KAQ1  | CAPC2013X135 | THOR-0333            |
| PESD3V3L1UL   | DFN98X58X50  | THOR-0217            |
| 1N4148X-TP    | SODFL1608X79 | THOR-0008            |
| PMEG4010AES   | DFN100X60X30 | THOR-0011            |
| ARGB1313HS-T  | LEDCAV104P20 | THOR-0323            |
| MBRAF440T3G   | SODFL5126X11 | THOR-0012            |
| SMAJ26CA-TP   | DIOM5027X26  | THOR-0013            |
| SMA6J26A-TR   | DIOM5126X22  | THOR-0014            |
| 156125RV7300  | LEDC3212X28- | THOR-0208            |
| MAKK2016T2R   | INDC2016X100 | THOR-0228            |
| NRS6028T330N  | INDM6060X28  | THOR-0015            |
| LQH32PN100M   | INDM3228X17  | THOR-0016            |
| OQ125E00B000  | HDRV_ANYTEK  | THOR-0018            |
| 503480-2400   | MOLEX_503480 | THOR-0336            |
| FTSH-105-01-L | HDRV_SAMTEC  | THOR-0060            |
| FTSH-102-01-F | HDRV_SAMTEC  | THOR-0061            |
| DTC114EET1G   | SOT50P160X90 | THOR-0019            |
| PBLS4002Y     | SOT65P210X11 | THOR-0020            |
| DMP2035UQ-7   | SOT92P240X12 | THOR-0223            |
| AO3434A       | SOT95P270X12 | THOR-0327            |
| CRCW0402348   | RESC1005X40N | THOR-0021            |
| CRCW040211K   | RESC1005X40N | THOR-0289            |
| CRCW04022K4   | RESC1005X40N | THOR-0026            |
| CRCW0402000   | RESC1005X40N | THOR-0122, THOR-0269 |
| CRCW040248K   | RESC1005X40N | THOR-0045            |
| CRCW0402560   | RESC1005X40N | THOR-0022            |
| ESR10EZPF470  | RESC2012X65N | THOR-0025            |
| CRCW0402150   | RESC1005X40N | THOR-0044            |
| CRCW040249R   | RESC1005X40N | THOR-0023            |
| RT0402BRD071  | RESC1005X40N | THOR-0083            |
| RT0402BRD071  | RESC1005X40N | THOR-0085            |
| RT0402BRD075  | RESC1005X40N | THOR-0086            |
| ERJ-PA3F3900V | RESC1608X55N | THOR-0087            |
| RT0402BRD073  | RESC1005X40N | THOR-0084            |
| RK73H1JTTD39  | RESC1608X55N | THOR-0030            |
| ESR10EZPF100  | RESC2012X65N | THOR-0031            |
| ERJ-3RQFR47   | RESC1609X55N | THOR-0334            |
| ESR10EZPF100  | RESC2012X65N | THOR-0091            |

|               |              |           |
|---------------|--------------|-----------|
| ESR10EZPF750  | RESC2012X65N | THOR-0092 |
| CY8C6347BZI-B | BGA124CP65_1 | THOR-0326 |
| MX25L6433FM   | SOIC127P790X | THOR-0276 |
| TLC5971RGE    | QFN50P400X40 | THOR-0034 |
| MC74HC1G32D   | SOT95P275X11 | THOR-0035 |
| MP2456GJ      | SOT95P280X10 | THOR-0036 |
| BCR401UE6327  | SOT95P250X11 | THOR-0080 |
| TLE75008EMD   | SOP65P600X17 | THOR-0037 |
| TJA1027TK/20/ | SON65P300X10 | THOR-0038 |
| MAX31820PAR   | TO92-175P495 | THOR-0332 |
| ECS-320-10-37 | OSCCC200X16  | THOR-0274 |
| MPZ1608S331A  | FERC1608X95N | THOR-0229 |
| BLM18EG181S   | FERC1608X95N | THOR-0116 |