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|--------------------|--|---------------------|--|------------|------|---------------|-----|--------------|-------|--------------------|--------------------|
| RSC0003            | ceramic X7R SMD capacitor smd<br>0805 4.7u 16V                     | 4.7u                | C1, C10, C40                                 | 4.7u       | 16V  | 10%           |     | 0805         | SMT   | Farnell            | 2118133            |
|                    | ceramic X7R SMD capacitor smd                                      |                     |  |            |      |               |     |              |       |                    |                    |
| RSC0005            | 0805 4.7n 250V   | 4.7n                | C2<br>C3, C5, C6, C7,                        | 4.7n       | 250V | 10%           | 1   | 0805         | SMT   | Farnell            | 1779491            |
|                    |  |                     | C8, C18, C19,<br>C20, C27, C28,              |            |      |               |     |              |       |                    |                    |
|                    | ceramic X7R SMD capacitor smd                                      |                     | C29, C30, C32,<br>C33, C35, C36,             |            |      |               |     |              |       |                    |                    |
| RSC0000            | 0805 100n 50V<br>ceramic Y5V SMD capacitor smd                     | 100n                | C37<br>C4, C9, C13,                          | 100n       | 50V  | 10%<br>+80 -  | 17  | 0805         | SMT   | Farnell            | 1414664            |
| VSC0000            | 0805 1u 25V<br>tantalum SMD capacitor 47u 20V C                    | 1u                  | C14, C21, C26                                | 1u         | 25V  | 20%           | 6   | 0805         | SMT   | Farnell            | 1759429            |
| CST0002            | case   | 47u                 | C11  | 47u        | 20   | 10            | 1   | С            | SMT   | Farnell            | 1793891            |
| CST0000            | tantalum SMD capacitor 10u 20V A<br>case                           | 10u                 | C12  | 10u        | 20   | 20            | 1   | A            | SMT   | Farnell            | 2112919            |
| VSC0002            | ceramic Y5V SMD capacitor smd<br>1210 4.7u 50V                     | 4.7u                | C15, C16                                     | 4.7u       | 50V  | +80 -<br>20%  | 2   | 1210         | SMT   | Farnell            | 1759471            |
| RSC0002            | ceramic X7R SMD capacitor smd<br>0805 33n 50V                      | 33n                 | C17  | 33n        | 50V  | 10%           | 1   | 0805         | SMT   | Farnell            | 1414688            |
| GSC0002            | ceramic COG SMD capacitor smd<br>0805 150p 50V                     | 150p                | C22  | 150p       | 50V  | 5%            |     | 0805         | SMT   | Farnell            | 1414669            |
|                    | ceramic COG SMD capacitor smd                                      |                     |  |            |      |               |     |              |       |                    |                    |
| GSC0003            | 0805 10p 50V<br>ceramic COG SMD capacitor smd                      | 10p                 | C23  | 10p        | 50V  | 5%            | 1   | 0805         | SMT   | Farnell            | 1414654            |
| GSC0001            | 0805 27p 50V<br>ceramic Y5V SMD capacitor smd                      | 27p                 | C24, C25                                     | 27p        | 50V  | 5%<br>+80 -   | 2   | 0805         | SMT   | Farnell            | 1414683            |
| VSC0001            | 0805 10u 6.3V<br>ceramic X7R SMD capacitor smd                     | 10u                 | C31, C34                                     | 10u        | 6.3V | 20%           | 2   | 0805         | SMT   | Farnell            | 1759136            |
| RSC0004            | 0805 10n 50V   | 10n                 | C38  | 10n        | 50V  | 10%           | 1   | 0805         | SMT   | Farnell            | 1414662            |
| RSC0006            | ceramic X7R SMD capacitor smd<br>0805 220n 50V                     | 220n                | C39  | 220n       | 50V  | 10%           | 1   | 0805         | SMT   | Farnell            | 1288261            |
| XDS0002            | Shotkey diode 3A 40V   | RB051L-40           | D1   | L          | L    |               | 1   | SOD106       | SMT   | Farnell            | 1680016            |
| XXL0000            | Green led SMD 0805   | KPT-2012SGC         | D2, D3                                       |            |      |               | 2   | 0805         | SMT   | Farnell            | 2099239<br>2099239 |
| DTV0000            | TVS Diode Array  | 824022              | D4   |            |      |               | 1   | SOT23        | SMT   | Farnell            | 1748618            |
| XCU0001            | CONNECTOR, MINI USB B, SMD,<br>5WAY                                |                     | J1   |            |      |               | 1   |              | SMT   | Farnell            | 2293774            |
| XCH0008            | Header starait 1.27mm 3 way  |                     | J2, J8, J13                                  |            |      |               | 3   |              | THT   |                    |                    |
| XCH0001            | Header starait 2.54mm 3 way  |                     | J3, J4, J5, J7, J9,<br>J11                   |            |      |               | 6   |              | THT   | Farnell            | 1248150            |
| XCH0007            | Header starait1.27mm 4 way   |                     | J6, J12, J14                                 |            |      |               | 3   |              | THT   |                    |                    |
| XMC0000<br>XCH0000 | Micro SD card connector  Header starait 2.54mm 2 way               | SD card             | J10<br>J15                                   |            |      |               | 1   |              | SMT   | Farnell<br>Farnell | 2293708<br>1248140 |
| XCH0006            | Header strait 1.27mm 5way X 2                                      |                     | J16  |            |      |               | 1   |              | SMD   | Farnell            | 1022310            |
| XXI0001            | SMD inductor 6.8uH, 2.5A   | 6.8u                | L1   | 6.8u       |      | 20%           | 1   | 5mmX5<br>mm  | SMT   | Farnell            | 2292530            |
| XFB0000            | Ferrite bead, 0.15Ohm, 200mA,<br>0805, 120E @ 100MHz               | 120E @ 100MHz       | L2   |            |      |               | 1   | 0805         | SMT   | Farnell            | 1515617            |
| XMN0001            | 60V 1.2A N-mosfet  | ZXMN6A07FTA         | Q1, Q2                                       |            |      |               |     | SOT23        | SMT   | Farnell            | 9525769            |
| XRS0005            | resistor smd 0805 27R 5% 0.125w                                    | 27                  | R1, R3, R26,<br>R28                          | 27         |      | 5%            | 4   | 0805         | SMT   | Farnell            | 2073712            |
|                    |  |                     | R2, R4, R17,<br>R18, R19, R20,               |            |      |               |     |              |       |                    |                    |
| XRS0007            | resistor smd 0805 220R 5% 0.125w                                   | 220                 | R21, R22, R29,<br>R30                        | 220        |      | 5%            | 10  | 0805         | SMT   | Farnell            | 2073693            |
|                    |  |                     | R5, R8, R15,                                 |            |      |               |     |              |       |                    |                    |
| XRS0003<br>XRS0010 | resistor smd 0805 4.7k 5% 0.125w<br>resistor smd 0805 1M 5% 0.125w | 4.7K<br>1M          | R16<br>R6                                    | 4.7K<br>1M |      | 5%<br>5%      |     | 0805<br>0805 | SMT   | Farnell<br>Farnell | 2073784<br>2073615 |
| XRS0012            | resistor smd 0805 6.8k 5% 0.125w                                   | 6.8k                | R7, R9                                       | 6.8k       |      | 5%            |     | 0805         | SMT   | Farnell            | 2073829            |
| YRS0003            | resistor smd 0805 1.96k 1% 0.125w                                  | 1.96k               | R10, R13                                     | 1.96k      |      | 1%            | 2   | 0805         | SMT   | Farnell            | 2141807            |
| YRS0004            |  | 1.4k                | R11, R14                                     | 1.4k       |      | 1%            |     | 0805         | SMT   | Farnell            | 2141799            |
| XRS0009<br>XRS0001 | resistor smd 0805 82k 5% 0.125w<br>resistor smd 0805 10k 5% 0.125w | 82k<br>10K          | R12<br>R23, R24                              | 82k<br>10K |      | 5%<br>5%      |     | 0805<br>0805 | SMT   | Farnell<br>Farnell | 2073852<br>2073612 |
| XRS0001<br>XRS0014 | resistor smd 0805 620 5% 0.125w                                    | 620                 | R25, R31                                     | 680        |      | 5%            |     | 0805         | SMT   | Farnell            | 9334734            |
| XRS0013            | resistor smd 0805 120 5% 0.125w                                    | 120                 | R27  | 120        |      | 5%            | 1   | 0805         | SMT   | Farnell            | 2073628            |
| XXC0000            | testpoint 1mm diameter   | testpoint           | TP1, TP2, TP3,<br>TP4, TP5, TP6,<br>TP7, TP8 |            |      |               | 8   |              |       |                    |                    |
| XSW0002            | 2A, 28V, 1MHz, STEP DOWN DC/DC<br>CONVERTER WITH ECO-MODE™         | TPS54232D           | U1   |            |      |               | 1   | SOIC8        | SMT   | Farnell            | 1694430            |
| XLR0002            | 150 mA, Low Quiescent Current,<br>CMOS Linear Regulator            | ADP121-<br>AUJZ33R7 | U2   |            |      |               | 1   | SOT23        | SMT   | Farnell            | 2074869            |
| XAM0000            | Cortex M3 ARM microcontroller                                      | ATSAM3S2AA-<br>AU   | U3   |            |      |               |     | TQFP48       | SMT   | Farnell            | 1841652            |
| XLD0000            | 250 kbps RS485 trasciever  | SN65HVD72D          | U4   |            |      |               |     | SOIC8        | SMT   | Farnell            | 2335547            |
| XSE0003            | Tri-Axis Gyroscope and Tri-Axis<br>Accelerometer                   | LSM330DLC           | U5   |            |      |               | 1   | LGA28        | SMT   | Farnell            | 2295820            |
| XSE0004            | Three-Axis Digital magnetometer                                    | HMC5883L            | U6   |            |      |               |     | QFN16        | SMT   | Farnell            | 1971743            |
| XSE0001            | I2C Precision Altimeter  | MPL3115A2           | U7   |            |      |               |     | LGA8         | SMT   | Farnell            | 2009084            |
| XXC0001            | Crystal 16Mhz  | 16MHz               | Y1   | 16MH:      |      |               | 1   | HC49/US      | THT   | Farnell            | 1640875            |