



Bill of materials

Table 1. STDES-HARMONYKNX bill of materials

| Item | Q.ty | Ref. | Part / Value | Description | Manufacturer | Order code |
|------|------|-----------------------|------------------|------------------------|--------------|-------------------------------------|
| 1 | 2 | C1,C16 | 4.7uF | | SAMSUNG | CL10A475KO8NNNC |
| 2 | 3 | C2,C14,C21 | 100nF | | YAGEO | CC0603KRX7R9BB104 |
| 3 | 1 | C3 | 220nF/6.3V | | SAMSUNG | CL10B224KA8NNNC |
| 4 | 1 | C4 | 10uF/50V | | SAMSUNG | CL31A106KBHNNNE |
| 5 | 1 | C5 | 10uF/35V | | SAMSUNG | CL31A106KBHNNNE |
| 6 | 1 | C6 | 470nF/35V | | SAMSUNG | CL21B474KBFNNNE |
| 7 | 2 | C7,C10 | 47nF/35V | | SAMSUNG | CL10B473KB8NNNC |
| 8 | 1 | C9 | 220uF/35V | | PANASONIC | EEET1H221GP |
| 9 | 2 | C11,C12 | 22pF | | SAMSUNG | CL10C220JB8NNNC |
| 10 | 1 | C13 | 10nf/50V | | FH | 0603B103K500NT |
| 11 | 1 | C15 | 100nF/6.3V | | YAGEO | CC0603KRX7R9BB104 |
| 12 | 2 | C17,C19 | 100nF/50V | | YAGEO | CC0603KRX7R9BB104 |
| 13 | 1 | C18 | 1nF | | SAMSUNG | CL10B102KB8NNNC |
| 14 | 1 | C22 | 22uF | | muRata | GRM31CR61E226KE15L |
| 15 | 1 | CFB1 | 180pF | | TDK | CGA3E2C0G1H181JT0Y0N |
| 16 | 3 | D1,D2,D5 | TS4148 | | ST(先科) | LL4148 |
| 17 | 1 | D6 | SMAJ40CA-TR, SMA | SMA_L4.4-W2.6-LS5.0-BI | ST | SMAJ40CA-TR |
| 18 | 1 | FB1 | 600Ω@100MHz | | Sunlord | GZ1608D601TF |
| 19 | 1 | H1 | HDR-M-2.54_1x5 | | Ckmtw | 210S-1*5P L=11.6MMGold-plated black |
| 20 | 1 | J1 | HDR-M-2.54_1x4 | | LCSC | C124378 |
| 21 | 1 | KEY_PROG | TS3320A | | SHOU HAN | TS3320A |
| 22 | 1 | L1 | 33uH | | TDK | VLS6045EX-330M |
| 23 | 1 | L2 | GZ1608D601TF | | Sunlord | GZ1608D601TF |
| 24 | 3 | LED1,LED_MCU,LED_PROG | LED0603_RED | | EVERLIGHT | 19-217/R6C-AL1M2VY/3T |
| 25 | 2 | PIN1,PIN2 | WAGO243-113 | | WAGO | WAGO243-113 |
| 26 | 1 | R4 | 68R | | YAGEO | AC2512FK-0768RL |
| 27 | 2 | R7,R8 | 1K | | UNI-ROYAL | 0603WAF1001T5E |
| 28 | 1 | R9 | 4.7M | | UNI-ROYAL | 0603WAF4704T5E |
| 29 | 4 | R11,R16,R20,R21 | 2.2K | | UNI-ROYAL | 0603WAF2201T5E |
| 30 | 1 | RFB1 | 30kΩ | | Viking | AR03BTCX3002 |
| 31 | 1 | RFB2 | 13kΩ | | YAGEO | RT0603BRB0713KL |
| 32 | 1 | U1 | STM32G070CBT6TR | LQFP 48 7x7x1.4 mm | ST | STM32G070CBT6TR |
| 33 | 1 | U2 | STKNX | QFN-24L | ST | STKNX |
| 34 | 1 | X1 | 16MHz | | EPSON | X1E000021011900 |

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