# Component reference list

<Parameter Project not found>

| | |
|---|---|
| Source Data From: | HK32F030MF4P6_Header_Board.BomDoc |
| Project: | HK32F030MF4P6_Header_Board.PrjPcb |
| Variant: | None |

Contact:

| | |
|---|---|
| Report Date: | 1/28/2023 | 9:20 PM |
| Print Date: | 28-Jan-23 | 9:20:48 PM |

| # | Designator | Name | Description | Manufacturer 1 | Manufacturer Part Number 1 | Footprint | Supplier 1 | Supplier Part Number 1 |
|---|---|---|---|---|---|---|---|---|
| 1 | BUZZER | BZ 3V | Buzzers Transducer, Externally Driven Magnetic 3V 80mA | TDK | PS1440P02BT | BUZ_9MM | Farnell | 3212600 |
| 2 | C1, C2, C3, | 100nF | Capacitor SMD 1206 10V | Yageo | CC1206KRX7R8BB104 | CAP_1206 | Farnell | 644316 |
| 3 | C8, C9 | 20pF | Capacitor SMD 1206 10V | KEMET | C1206C200J5GACTU | CAP_1206 | Avnet | 70K9303 |
| 4 | C12, C14, C15 | 10uF | Capacitor SMD 1206 10V | KEMET | C1206C106K8RACTU | CAP_1206 | Newark | 11AC2948 |
| 5 | CN1 | HDR1X5 | CONN, HEADER, Male, pitch: 2.54mm, 5POS | Amphenol Commercial | G800MR303018E0 | HDR_M_1X5 | Mouser | 523-G800MR303018E0 |
| 6 | CN2 | USB3100-30-A | USB Connector Type Micro B 2.0 SMD Reverse Mount | Global Connector Technology | USB3100-30-A | USB3100-30-A | Farnell | 2443125 |
| 7 | D1 | GREEN | LED 0603 GREEN SMD | Vishay | TLMP1100-GS08 | LED_0603_GREEN | Digi-Key | 751-1176-1-ND |
| 8 | IC1 | HK32F030MF4P6 | | HK | HK32F030MJ4M6 | TSSOP-20_L6.5-W4.4-P0.65-LS6.4-BL | | |
| 9 | IC2 | AT24C02 | EEPROM Memory IC 2Kb (128 x 8) I²C 1MHz 550ns | STMicroelectronics | M24C02-WMN6TP | SOIC-8 4.9X3.9MM P1.27MM | Newark | 94W9084 |
| 10 | IC3 | W25Q64JV | FLASH - NOR Memory IC 64Mb (8M x 8) SPI - Quad I/O | Winbond | W25Q64JVSSIQ | SOIC-8 5.28X5.28MM P1.27MM | Digi-Key | W25Q64JVSSIQ-ND |
| 11 | IC4 | LD1117-3.3V | Linear Voltage Regulator IC  1 Output  800mA SOT-223 | STMicroelectronics | LD1117S33CTR | SOT-223-4 6.5X7MM P2.3MM | Digi-Key | 497-1241-1-ND |
| 12 | IC5 | CH340G | USB Interface Integrated Circuit | WCH(Jiangsu Qin Heng) | CH340G | SOIC127P600X180-16N | | |
| 13 | J1 | JMPHDR2PIN | JUMPER, HEADER 2PIN | Samtec | TMM-102-03-L-S | JP_2_RED | Avnet | TMM-102-03-L-S |
| 14 | J2, J3 | HDRM_2X10 | CONN, HEADER, Male, pitch: 2.54mm, 20POS | Molex | 10-97-7106 | HDR_M_2X10 | Mouser | 538-10-97-7106 |
| 15 | KEY1, KEY2, | Tactile 2PIN 6X3.5mm H4.57mm (SMD) | Tactile Switch SPST-NO Top Actuated Surface Mount | TE Connectivity | FSMSMTR | SWPBS_SPST_6X3X5 | Newark | 14H0902 |
| 16 | LED1 | YELLOW | LED 0603 YELLOW SMD | Vishay | TLMY1000-GS08 | LED_0603_YELLOW | Mouser | 78-TLMY1000 |
| 17 | LED2 | BLUE | LED 0603 BLUE SMD | Vishay Semiconductors | VLMB1300-GS08 | LED_0603_BLUE | Mouser | 78-VLMB1300-GS08 |
| 18 | LED3 | RED | LED 0603 RED SMD | Vishay | TLMS1100-GS08 | LED_0603_RED | | 28K0268 |
| 19 | Q1 | 8050 | Bipolar (BJT) Transistor NPN 25V 1.5A 100MHz 625mW | Comchip | SS8050-G | SOT-23-3 2.9X2.4MM P0.95MM | Digi-Key | 641-1790-1-ND |
| 20 | R1, R2, R3, | 10K | Resistor SMD 1206 | Yageo | RC1206FR-0710KL | RES_1206 | Newark | 68X3205 |
| 21 | R4, R5, R6, | 1K | Resistor SMD 1206 | Yageo | RC1206FR-071KL | RES_1206 | Newark | 66R3736 |
| 22 | R8 | 100 | Resistor SMD 1206 | Vishay Dale | CRCW1206100RFKEA | RES_1206 | Newark | 24W3981 |
| 23 | VR1 | 10K | | Yageo | RC1206FR-0710KL | POT SMD 3 | Newark | 68X3205 |
| 24 | X1 | 16MHz | SMT Crystal | Abracon | ABLS-14.7456MHZ-B2-T | HC-49S SMD | Newark | 13J1657 |

**Approved**

**Notes**