

Component reference list (grouped)

<Parameter Project not found>

Source Data From: HK32F030MF4P6 Header Board.BomDoc
Project: HK32F030MF4P6 Header Board.PrjPcb
Variant: None

Contact:

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#	Designator	Quantity	Name	Description	Manufacturer 1	Manufacturer Part Number 1	Footprint	Supplier 1	Supplier Part Number 1
1	BUZZER	1	BZ 3V	Buzzers Transducer, Externally Driven Magnetic 3V 80mA	TDK	PS1440P02BT	BUZ_9MM	Farnell	3212600
2	C1, C2, C3, C4, C5, C6, C7, C10, C11, C13	10	100nF	Capacitor SMD 1206 10V	Yageo	CC1206KR07R8BB104	CAP_1206	Farnell	644316
3	C8, C9	2	20pF	Capacitor SMD 1206 10V	KEMET	C1206C200J5GACTU	CAP_1206	Avnet	70K9303
4	C12, C14, C15	3	10uF	Capacitor SMD 1206 10V	KEMET	C1206C106K8RACTU	CAP_1206	Newark	11AC2948
5	CN1	1	HDR1X5	CONN, HEADER, Male, pitch: 2.54mm, 5POS	Amphenol Commercial	G800MR303018E0	HDR_M_1X5	Mouser	523-G800MR303018E0
6	CN2	1	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	1	GREEN	LED 0603 GREEN SMD	Vishay	TLMP1100-GS08	LED_0603_GREEN	Digi-Key	751-1176-1-ND
8	IC1	1	HK32F030MF4P6		HK	HK32F030MJ4M6	TSSOP-20_L6.5-W4.4-P0.65-LS6.4-BL		
9	IC2	1	AT24C02	EEPROM Memory IC 2Kb (128 x 8) PC 1MHz 550ns	STMicroelectronics	M24C02-WMN6TP	SOIC-8 4.9X3.9MM P1.27MM	Newark	94W9084
10	IC3	1	W25Q64JV	FLASH - NOR Memory IC 64Mb (8M x 8) SPI - Quad I/O	Winbond	W25Q64J/SSIQ	SOIC-8 5.28X5.28MM P1.27MM	Digi-Key	W25Q64J/SSIQ-ND
11	IC4	1	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	1	CH340G	USB Interface Integrated Circuit	WCH(Jiangsu Qin Heng)	CH340G	SOIC127P600X180-16N		
13	J1	1	JMPHDR2PIN	JUMPER, HEADER 2PIN	Samtec	TMM-102-03-L-S	JP_2_RED	Avnet	TMM-102-03-L-S
14	J2, J3	2	HDRM_2X10	CONN, HEADER, Male, pitch: 2.54mm, 20POS	Molex	10-97-7106	HDR_M_2X10	Mouser	538-10-97-7106
15	KEY1, KEY2, KEY_RT	3	Tactile 2PIN 6X3.5mm H4.57mm (SMD)	Tactile Switch SPST-NO Top Actuated Surface Mount	TE Connectivity	FSMSMTR	SWPBS_SPST_6X3X5	Newark	14H0602
16	LED1	1	YELLOW	LED 0603 YELLOW SMD	Vishay	TLMY1000-GS08	LED_0603_YELLOW	Mouser	78-TLMY1000
17	LED2	1	BLUE	LED 0603 BLUE SMD	Vishay Semiconductors	VLMB1300-GS08	LED_0603_BLUE	Mouser	78-VLMB1300-GS08
18	LED3	1	RED	LED 0603 RED SMD	Vishay	TLMS1100-GS08	LED_0603_RED	Newark	28K0268
19	Q1	1		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, R10, R11	5	10K	Resistor SMD 1206	Yageo	RC1206FR-0710KL	RES_1206	Newark	68X3205
21	R4, R5, R6, R7, R9, R12	6	1K	Resistor SMD 1206	Yageo	RC1206FR-071KL	RES_1206	Newark	66R3736
22	R8	1		100 Resistor SMD 1206	Vishay Dale	CROW1206100RPFKEA	RES_1206	Newark	24W3981
23	VR1	1	10K		Yageo	RC1206FR-0710KL	POT SMD 3	Newark	68X3205
24	X1	1	16MHz	SMT Crystal	Abracon	ABLS-14.7456MHZ-B2-T	HC-49S SMD	Newark	13J1657

Approved

Notes