

T32 ref

Part	Type	Value	Package	MF	MPN	OC_Mouser
C1	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
C2	Capacitor	2.2uF / 25 VDC / X7R	0803	Taiyo Yuden	TMK212B7225KG-TR	963-TMK212B7225KG-TR
C3	Capacitor	2.2uF / 25 VDC / X7R	0803	Taiyo Yuden	TMK212B7225KG-TR	963-TMK212B7225KG-TR
C4	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
C5	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
C6	Capacitor	2.2uF / 25 VDC / X7R	0803	Taiyo Yuden	TMK212B7225KG-TR	963-TMK212B7225KG-TR
C7	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
C8	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
C9	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
C10	Capacitor	22pF / 50VDC / C0G (NP0)	0603	Vishay / Vitramon	VJ0603A220JXACW1BC	77-VJ0603A220JXACBC
C11	Capacitor	22pF / 50VDC / C0G (NP0)	0603	Vishay / Vitramon	VJ0603A220JXACW1BC	77-VJ0603A220JXACBC
C12	Capacitor	0.1uF / 16VDC / X7R	0603	Würth Electronics	885012206046	710-885012206046
G1	Crystal	16MHz / 18pF / 10ppm	HC49US	ABRACON	ABL-16.000MHz-B1U	815-ABL-16-B1U
G2	Crystal	32.768kHz / 12.5pF / 10ppm	TC26H	Citizen FineDevice	CFS206-32.768KEZB-U	695-CFS206-327KEZB-U
K1	Microcontroller	MK20DX256VLH7	LQFP 64	NXP	MK20DX256VLH7	841-MK20DX256VLH7
K2	Microcontroller	MKL04Z32VLC4 (preprogrammed)	LQFP 32	PJRC	IC_MKL04Z32_TQFP32	-----
P1	LED	orange	0803	ROHM Semiconductor	SML-211D TT86	755-SML-211D TT86
R1	PPTC	6V / 0.5A	0803	Bel Fuse	OZCK0050FF2E	530-OZCK0050FF2E
R2	Ferrite	600R / 100MHz	0803	Taiyo Yuden	BK2125HM601-T	963-BK2125HM601-T
R3	Resistor	470R / 1 % / 0.1 W	0603	Vishay	CRCW0603470RFKEA	71-CRCW0603-470-E3
R4	Ferrite	600R / 100MHz	0803	Taiyo Yuden	BK2125HM601-T	963-BK2125HM601-T
R5	Resistor	33R / 1% / 0.25 W	0603	Panasonic	ERJ-PA3F33R0V	667-ERJ-PA3F33R0V
R6	Resistor	33R / 1% / 0.25 W	0603	Panasonic	ERJ-PA3F33R0V	667-ERJ-PA3F33R0V
R7	Diode	Dual Schottky, common cat	SOT-23	NXP Semiconductors	BAT54C,215	771-BAT54C-T/R
R8	Resistor	470R / 1% / 0.1 W	0603	Vishay	CRCW0603470RFKEA	71-CRCW0603-470-E3
S1	Tactile switch	SPST	6x6x5 mm	ALPS	SKHHPKA010	688-SKHHPK
T1	Voltage Regulator	3.3V 500mA	SOT-223-3	Microchip Technology	MCP1825S-3302E/DB	579-MCP1825S-3302EDB
X1	Mini USB	MINI-USB		Hirose	UX60-MB-5ST	798-UX60-MB-5ST