

Cosmonode

Reference	Value	Footprint
U1	ATMEGA328P-AU	Housings_QFP:TQFP-32_7x7mm_Pitch0.8mm
C2	100nF	Capacitors_SMD:C_0603_HandSoldering
C1	100nF	Capacitors_SMD:C_0603_HandSoldering
C7	100nF	Capacitors_SMD:C_0603_HandSoldering
C3	100nF	Capacitors_SMD:C_0603_HandSoldering
R3	10k	Resistors_SMD:R_0603_HandSoldering
R1	10k	Resistors_SMD:R_0603_HandSoldering
R8	1M	Resistors_SMD:R_0603_HandSoldering
R9	470k	Resistors_SMD:R_0603_HandSoldering
R2	10k	Resistors_SMD:R_0603_HandSoldering
C5	47uF	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_f
C6	4.7uF	Capacitors_SMD:C_0603_HandSoldering
C8	100nF	Capacitors_SMD:C_0603_HandSoldering
R7	100k	Resistors_SMD:R_0603_HandSoldering
U4	M25P40	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm
U5	XC6206P332MR	TO_SOT_Packages_SMD:TSOT-23
U6	ATSHA204	TO_SOT_Packages_SMD:TSOT-23
R4	1k	Resistors_SMD:R_0603_HandSoldering
R5	1k	Resistors_SMD:R_0603_HandSoldering
C4	47uF	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_f
R6		0 Resistors_SMD:R_0603_HandSoldering
SW1	SW_DIP_x01	w_switch:smd_push2
Y1	Crystal_GND2	SMD-RESONATOR-8MHZ-33PF:X3-SMD-3.6X1.3X0.8MM
J1	CONN_01X12	Pin_Headers:Pin_Header_Straight_1x12_Pitch2.54mm
J2	CONN_01X12	Pin_Headers:Pin_Header_Straight_1x12_Pitch2.54mm
J4	OSHW	Symbols:OSHW-Logo_7.5x8mm_Copper
MK1	Mounting_Hole	Mounting_Holes:MountingHole_2.2mm_M2_ISO14580
U2	RFM69CW	w_rf_modules:RFM12B_SMD
J5	CONN_01X02	Connectors_JST:JST_PH_B2B-PH-K_02x2.00mm_Straight
J10	WEEE_Logo	Symbols:WEEE-Logo_4.2x6mm_SilkScreen
J11	Aloes_Logo	Aloes:Aloes
J12	Aloes_mini_Logo	Aloes:Aloes_mini
U3	RN2483	RN2483:RN2483
U7	MCP73811T-420I/OT	TO_SOT_Packages_SMD:SOT-23-5_HandSoldering
J3	GS2	Connectors:GS2
D1	MBR0520	Diodes_SMD:D_SOD-123
D3	LED	LEDs:LED_0603_HandSoldering
R12	1k	Resistors_SMD:R_0603_HandSoldering
D2	MBR0520	Diodes_SMD:D_SOD-123
R11	R	Resistors_SMD:R_0603_HandSoldering
J13	CONN_01X05	Pin_Headers:Pin_Header_Straight_1x05_Pitch2.54mm
Q1	BSS123	TO_SOT_Packages_SMD:TSOT-23
R10	10k	Resistors_SMD:R_0603_HandSoldering
C9	100nF	Capacitors_SMD:C_0603_HandSoldering
J8	USB_OTG	Connectors_USB:USB_Micro-B_Molex-105017-0001
R14	1k	Resistors_SMD:R_0603_HandSoldering
R13	1k	Resistors_SMD:R_0603_HandSoldering
D4	LED	LEDs:LED_0603_HandSoldering
D5	LED	LEDs:LED_0603_HandSoldering
J9	GS2	Connectors:GS2
J14	GS2	Connectors:GS2
P1	COAX	sma:EDGE_SMA_5

Datasheet	Price	MF
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Reflow

Unavailable	0.28 USD	Micron
Good	0.58 USD	Torex
Unavailable	None	Microchip

Reflow

DOCUMENTATION

NXP Semiconductors 0.06 USD

Description	Package
NOR Flash Serial-SPI 2.5V/3.3V 4Mbit 512K x 8bit 8ns 8-Pin SO N T/R	SO-8 Micron
SMD PMIC%3B LDO%3B Vin 6V%3B 3.0V%3B 200mA%3B Without En%	SOT-23-3 Torex
Crypto Authentication%2C Sot-23-3	SOT-23-3 Microchip
Small Signal FET [NXP] BSS123 Small Signal FET	SOT-23 NXP Semiconductors

MP

Availability

Farnell

M25P40-VMN6TPB
XC6206P302MR
ATSHA204-TSU-T

BSS123

Unavailable