

# Cosmonode

Reference	Value	Footprint
U1	ATMEGA328P-AI	Housings_QFP:TQFP-32_7x7mm_Pitch0.8mm
C4	100nF	Capacitors_SMD:C_0603_HandSoldering
C2	100nF	Capacitors_SMD:C_0603_HandSoldering
C1	100nF	Capacitors_SMD:C_0603_HandSoldering
C6	100nF	Capacitors_SMD:C_0603_HandSoldering
R5	10k	Resistors_SMD:R_0603_HandSoldering
R3	10k	Resistors_SMD:R_0603_HandSoldering
R1	1M	Resistors_SMD:R_0603_HandSoldering
R2	470k	Resistors_SMD:R_0603_HandSoldering
R4	10k	Resistors_SMD:R_0603_HandSoldering
C9	47uF	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_Hand
C10	4.7uF	Capacitors_SMD:C_0603_HandSoldering
C12	100nF	Capacitors_SMD:C_0603_HandSoldering
R14	100k	Resistors_SMD:R_0603_HandSoldering
U3	M25P40	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm
U4	XC6206P332MR	TO_SOT_Packages_SMD:TSOT-23
U6	ATSHA204	TO_SOT_Packages_SMD:TSOT-23
R10	1k	Resistors_SMD:R_0603_HandSoldering
R11	1k	Resistors_SMD:R_0603_HandSoldering
C7	47uF	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_Hand
R13		0 Resistors_SMD:R_0603_HandSoldering
SW1	SW_DIP_x01	w_switch:smd_push2
Y2	Crystal_GND2	SMD-RESONATOR-8MHZ-33PF-0.1__3P-3.2X1.3MM_:X3-SMD-3.6X1.
J1	CONN_01X07	Socket_Strips:Socket_Strip_Straight_1x07_Pitch2.54mm
J2	CONN_01X07	Socket_Strips:Socket_Strip_Straight_1x07_Pitch2.54mm
J4	CONN_01X01	Symbols:OSHW-Logo2_7.3x6mm_SilkScreen
MK1	Mounting_Hole	Mounting_Holes:MountingHole_2.2mm_M2_ISO14580
U2	RFM69CW	w_rf_modules:RFM12B_SMD
J3	CONN_01X02	Connectors_JST:JST_PH_B2B-PH-K_02x2.00mm_Straight
J5	CONN_01X06	Pin_Headers:Pin_Header_Straight_1x06_Pitch2.54mm

Datasheet	Price	MF
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Unavailable	0.28 USD	Micron
Good	0.58 USD	Torex
Unavailable	None	Microchip

.3X0.8MM

DOCUMENTATION

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

MP

M25P40-VMN6TPB  
XC6206P302MR  
ATSHA204-TSU-T