

TARS MK4 FCB

Listing these per board. Then will multiply by # of boards and order that quantity

Part Number	Part Link	Unit Price	Quantity	Shipping Cost	Total Cost	Distributor	Comments	Datasheet	Part Description
LSM6DSLTR	https://www.digikey.com/product-detail.aspx/LSM6DSLTR/3186285-1	\$5.74	1		\$5.74	Digikey	FCB IMU Sensor	https://www.digikey.com/product-detail.aspx/LSM6DSLTR/3186285-1	
KX134-1211	https://www.kionix.com/products/accelerometers/accelerometers-tri-axis-acclmtr-8g-16g-32g	\$16.91	1		\$16.91	Mouser	FCB Accelerometer Sensor	https://www.kionix.com/products/accelerometers/accelerometers-tri-axis-acclmtr-8g-16g-32g	Accelerometers Tri-Axis Acclmtr 8g, 16g, 32g
BME688	https://www.bosch-sensortec.com/media/press_releases/doc/38470/16/BME688_datasheet.pdf	\$14.17	1		\$14.17	Digikey	FCB Humidity Sensor	https://www.bosch-sensortec.com/media/press_releases/doc/38470/16/BME688_datasheet.pdf	SENSOR RH PRESSURE TEMP VOC
MAX-M10S	https://www.digikey.com/product-detail.aspx/MAX-M10S/3163132-1	\$21.00	1		\$21.00	Digikey	FCB GPS	https://www.digikey.com/product-detail.aspx/MAX-M10S/3163132-1	
734120114	https://www.molex.com/catalog/734120114	\$1.39	1		\$1.39	Digikey	FCB GPS	https://www.molex.com/catalog/734120114	Molex u.FI Coaxial Connector
LIS3MDLTR	https://www.digikey.com/product-detail.aspx/LIS3MDLTR/3186285-1	\$5.18	1		\$5.18	Digikey	FCB Magnetometer	https://www.digikey.com/product-detail.aspx/LIS3MDLTR/3186285-1	Magnetometer
BNO086	https://www.digikey.com/product-detail.aspx/BNO086/3186285-1	\$19.30	1		\$19.30	Digikey	FCB Accelerometer, Gyro, and Mag	https://www.digikey.com/product-detail.aspx/BNO086/3186285-1	
Crystal Oscillator	https://www.abracon.com/products/crystal-oscillators/crystal-oscillator-for-clock-on-bno	\$0.72	1		\$0.72	Digikey	FCB Oscillator for Clock on BNO	https://www.abracon.com/products/crystal-oscillators/crystal-oscillator-for-clock-on-bno	CRYSTAL 32.7680KHZ 12.5PF SMD
MS5611-01BA03	https://www.digikey.com/product-detail.aspx/MS5611-01BA03/3163132-1	\$13.30	1		\$13.30	Digikey	FCB Barometer	https://www.digikey.com/product-detail.aspx/MS5611-01BA03/3163132-1	BAROMETRIC PRESSURE SENSOR
Teensy 4.1 MCU	https://www.pjrc.com/teensy/teensy41/	\$35.50	1		\$35.50	PJRC	FCB MCU	https://www.pjrc.com/teensy/teensy41/	Microcontroller
AT-0927-TT-6-R	https://www.digikey.com/product-detail.aspx/AT-0927-TT-6-R/3186285-1	\$0.86	1		\$0.86	Digikey	FCB Buzzer	https://www.digikey.com/product-detail.aspx/AT-0927-TT-6-R/3186285-1	
FSMSM	https://www.digikey.com/product-detail.aspx/FSMSM/3186285-1	\$0.32	1		\$0.32	Digikey	Teensy Program Switch	https://www.digikey.com/product-detail.aspx/FSMSM/3186285-1	SWITCH TACTILE SPST-NO 0.05A 24V
SSM3K16FU,LF	https://www.mouser.com/products/mosfet/	\$0.30	1		\$0.30	Mouser	Teensy On/Off MOSFET	https://www.toshiba.com/semi/switching	
2091680401	https://www.molex.com/catalog/2091680401	\$6.69	2		\$13.38	Molex	PMB Receptacle	https://www.molex.com/catalog/2091680401	B2B Receptacle
536270474	https://www.molex.com/catalog/536270474	\$5.70	2		\$11.40	Molex	PMB Headers	https://www.molex.com/catalog/536270474	B2B Header
0805ZC104KAT2A	https://www.digikey.com/product-detail.aspx/0805ZC104KAT2A/3186285-1	\$0.27	8		\$2.16	Digikey			100nF Capacitors
C0805C220F1HACTU	https://www.digikey.com/product-detail.aspx/C0805C220F1HACTU/3186285-1	\$0.26	2		\$0.52	Digikey			22pF Polarized Capacitors
0805ZC104KAT2A	https://www.digikey.com/product-detail.aspx/0805ZC104KAT2A/3186285-1	\$0.27	3		\$0.81	Digikey	NON POLARIZED CAPACITOR		0.1uF Polarized Capacitors
CL21B105KAFNNNE	https://www.digikey.com/product-detail.aspx/CL21B105KAFNNNE/3186285-1	\$0.10	1		\$0.10	Digikey			1uF Capacitors
0805ZC104KAT2A	https://www.digikey.com/product-detail.aspx/0805ZC104KAT2A/3186285-1	\$0.27	1		\$0.27	Digikey			100nf Capacitors
RC0805JR-0710KL	https://www.digikey.com/product-detail.aspx/RC0805JR-0710KL/3186285-1	\$0.10	1		\$0.10	Resistor			10k Resistors
RC0805JR-072K2L	https://www.digikey.com/product-detail.aspx/RC0805JR-072K2L/3186285-1	\$0.10	2		\$0.20	Resistor			2.2k Resistors
RC0805JR-07470RL	https://www.digikey.com/product-detail.aspx/RC0805JR-07470RL/3186285-1	\$0.10	4		\$0.40	Resistor			470 Resistors
ERA-6AEB104V	https://www.digikey.com/product-detail.aspx/ERA-6AEB104V/3186285-1	\$0.36	1		\$0.36	Resistor			100K Resistors
RC0805FR-07100RL	https://www.digikey.com/product-detail.aspx/RC0805FR-07100RL/3186285-1	\$0.10	1		\$0.10	Resistor			100 Resistors