

TARS MK4 PMB

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
TPS564247DRLR	https://www.ti.com/lit/gsp/tps564247drlr	\$1.29	3		\$3.87	Mouser	PMB 3V3, 5V, 7V Voltage Regulators	https://www.ti.com/lit/gsp/tps564247drlr	Switching Voltage Regulators 3-V to 16-V IC
PTZTFTE255.1B	https://www.fscdn.rohm.com/publicResources/fscdn/products/datasheets/datasheet/2/ptztfte255.1b.pdf	\$0.61	3		\$1.83	Digikey	PMB Voltage Regulator Diodes	https://fscdn.rohm.com/publicResources/fscdn/products/datasheets/datasheet/2/ptztfte255.1b.pdf	1W 5.1V, DO-214AC, HIGH POWER ZENER DIODE
74438356015	https://www.we-online.com/components/details.aspx?partno=74438356015	\$1.94	1		\$1.94	Digikey	PMB 3V3 Voltage Regulators	https://www.we-online.com/components/details.aspx?partno=74438356015	
74438356018	https://www.we-online.com/components/details.aspx?partno=74438356018	\$1.94	1		\$1.94	Digikey	PMB 5V Voltage Regulators	https://www.we-online.com/components/details.aspx?partno=74438356018	FIXED IND 1.8UH 4.6A 30 MOHM SMD
74438356022	https://www.we-online.com/components/details.aspx?partno=74438356022	\$1.94	1		\$1.94	Digikey	PMB 6V Voltage Regulators	https://www.we-online.com/components/details.aspx?partno=74438356022	FIXED IND 2.2UH 4.7A 35 MOHM SMD
LK112M50TR	https://www.st.com/en/microelectronics/lk112m50tr.html	\$0.89	1		\$0.89	Mouser	PMB 5V MCU Regulator	https://www.st.com/en/microelectronics/lk112m50tr.html	
ATMEGA328PB-AU (Backup)	https://www.atmel.com/Images/0900000808000000/ATMEGA328PB-AU.pdf	\$2.14	1		\$2.14	LCSC	PMB MCU from Unauthorized	https://datasheet.lcs	Microcontroller Units (MCUs/MPUs/SOCs) ROHS
ATMEGA328P-AU (Primary)	https://www.atmel.com/Images/0900000808000000/ATMEGA328P-AU.pdf	\$3.43	1		\$3.43	LCSC	PMB MCU from Unauthorized	https://datasheet.lcs	Microcontroller Units (MCUs/MPUs/SOCs) ROHS
5055780271	https://www.molex.com/molex/products/details/5055780271	\$0.82	1		\$0.82	Molex	PMB TARS Screw Switch		Molex Micro-Lock
436500200	https://www.molex.com/molex/products/details/436500200	\$1.17	1		\$1.17	Molex	PMB 7.4 Connector		Molex Micro-Fit
436500200	https://www.molex.com/molex/products/details/436500200	\$1.17	1		\$1.17	Molex	PMB 7.4 Connector		Molex Micro-Fit
436500300	https://www.molex.com/molex/products/details/436500300	\$1.34	1		\$1.34	Molex	PMB Servo Connector		Molex Micro-Fit
PFS35-0R01J1	https://www.riedon.com/Products/PFS35-0R01J1	\$4.91	1		\$4.91	Digikey	PMB Current Sensing Shunt	https://riedon.com/r	RES 0.1 OHM 1% 35W TO263 DPAK
LT1001CS8#PBF	https://www.analog.com/media/en/technical-documentation/data-sheets/62091a.pdf	\$6.35	1		\$6.35	Mouser	PMB Current Sensing OpAmp	analog.com/media/e	
2091680401	https://www.molex.com/molex/products/details/2091680401	\$6.69	2		\$13.38	Molex	PMB Receptacle	https://www.molex.c	B2B Receptacle
536270474	https://www.molex.com/molex/products/details/536270474	\$5.70	2		\$11.40	Molex	PMB Headers	https://www.molex.c	B2B Header
CL21A226KPCLRNC	https://www.digikey.com/product-detail/en/yageo/CL21A226KPCLRNC/244-1427-1	\$0.35	6		\$2.10	Digikey	Capacitors	https://media.digikey	22 uF Capacitor
CL21X106KPCLRNC	https://www.digikey.com/product-detail/en/yageo/CL21X106KPCLRNC/244-1427-1	\$0.22	6		\$1.32	Digikey	Capacitors		10uF Capacitor
0805ZC104KAT2A	https://www.digikey.com/product-detail/en/yageo/0805ZC104KAT2A/244-1427-1	\$0.27	4		\$1.08	Digikey	Capacitors		0.1uF Capacitor
PTZTFTE255.1B	https://www.fscdn.rohm.com/publicResources/fscdn/products/datasheets/datasheet/2/ptztfte255.1b.pdf	\$0.61	3		\$1.83	Digikey	Zener Diode for Regulators	https://fscdn.rohm.c	Zener Diode
ERJ-PB6D1001V	https://www.fairchildsemi.com/datasheets/ERJ_PB6D1001V.pdf	\$0.28	2		\$0.56	Digikey	Resistor		1K Resistor
CRCW08055K00JNTA	https://www.fairchildsemi.com/datasheets/CRCW08055K00JNTA.pdf	\$0.16	2		\$0.32	Digikey	Resistor		5K Resistor
ERJ-PB6B3002V	https://www.fairchildsemi.com/datasheets/ERJ_PB6B3002V.pdf	\$0.40	6		\$2.40	Digikey	Resistor		30k Resistor
RC0805FR-07133KL	https://www.fairchildsemi.com/datasheets/RC0805FR-07133KL.pdf	\$0.10	1		\$0.10	Digikey	Resistor		133k Resistor (135k resistor replacement)
RC0805JR-07220KL	https://www.fairchildsemi.com/datasheets/RC0805JR-07220KL.pdf	\$0.10	1		\$0.10	Digikey	Resistor		220k Resistor
RC0805FR-07270KL	https://www.fairchildsemi.com/datasheets/RC0805FR-07270KL.pdf	\$0.10	1		\$0.10	Digikey	Resistor		270k Resistor
ERA-6AEB203V	https://www.fairchildsemi.com/datasheets/ERA-6AEB203V.pdf	\$0.36	3		\$1.08	Digikey	Resistor		20k Resistor
RC0805JR-07200KL	https://www.fairchildsemi.com/datasheets/RC0805JR-07200KL.pdf	\$0.10	1		\$0.10	Digikey	Resistor		200k Resistor
ERA-6AEB104V	https://www.fairchildsemi.com/datasheets/ERA-6AEB104V.pdf	\$0.36	9		\$3.24	Digikey	Resistor		100k Resistor
RC0805JR-0710KL	https://www.fairchildsemi.com/datasheets/RC0805JR-0710KL.pdf	\$0.10	1		\$0.10	Digikey	Resistor		10k Resistor
RC0805JR-07150RL	https://www.fairchildsemi.com/datasheets/RC0805JR-07150RL.pdf	\$0.10	2		\$0.20	Digikey	Resistor		150 Resistor