

how using diff part

Subteam	Qty	Unit	Part #	Description	Web Link	Unit Price	Price	Subteam	Qty	Unit	Part #	Description	Web Link	Unit Price	Price	Reference	Notes
CarMan-TSI	2 ea		C0805C101F3HACTU	4.7uF Cap	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.59	1.18				CL21B474KBFVPMNE	0.47uF cap					
CarMan-TSI	20 ea		0.1uF Cap		<a href="https://www.mouser.com">https://www.mouser.com</a>	0.101	2.02				C0805C475KSRCAUTO	4.7uF cap	<a href="https://www.mouser.com/ProductDetail/KEMET/C217">https://www.mouser.com/ProductDetail/KEMET/C217</a>				
CarMan-TSI	6 ea		C0805C101F3HACTU	100uF Cap	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.29	1.74				TMF212B7104KGHT	0.1uF cap					
CarMan-TSI	1 ea		C0805C330K3RCAUTO	0.33uF Cap	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.36	0.36				C0805C334K5R6C7210	0.33uF cap					
CarMan-TSI	1 ea		0.1uF Cap		<a href="https://www.mouser.com">https://www.mouser.com</a>	0.5	0.5				ELXY350ETC101MH12D	100uF cap					
CarMan-TSI	4 ea		TMK212B08106KG-T	10uF Cap	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.55	2.2				R60H4100500J	1uF (250V) cap					
CarMan-TSI	1 ea		C0805C330J3HACTU	33pF Cap	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.11	0.11				TMK212B08106KG-T	10uF cap					C18, C28, C34, C36
CarMan-TSI	1 ea		C2012X750J156M125AC	15uF Cap	<a href="https://www.digikey.com">https://www.digikey.com</a>	0.7	0.7				C0805C330J3HACTU	33pF cap					
CarMan-TSI	3 ea		0805DC105KAT2A	1uF Cap	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.24	0.72				C0805103KSRAC7210	0.01uF cap					
CarMan-TSI	1 ea		599-0181-007F	LED	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.68	0.68				C0805C101F3HACTU	100pF cap					
CarMan-TSI	1 ea		TMK212B08106KG-T	Shunt Regulator	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.57	0.57				C2012X750J156M125AC	15uF cap					
CarMan-TSI	3 ea		MMS25231B-7-F	5.1V Zener Diode	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.15	0.45				0805DC105KAT2A	1uF cap					
CarMan-TSI	1 ea		HSMC-C170-T0000	LED	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.76	0.76				V40L-SBG14	Green/Yellow LED					D1, D5, D6, D7, D9, D10, D11, D14, D15, D16, D17
CarMan-TSI	5 ea		1N4001RLG	Rectifier	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.21	1.05				TL431BCPSR	Adjustable Shunt Regulator					
CarMan-TSI	2 ea		TS431ILT	Shunt Regulator	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.62	1.24				MMS25231B-7-F	Zener Diode					
CarMan-TSI	1 ea		39-30-2030	1x3 Molex Header	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.81	0.81				HSMC-C170-T0000	Red LED					
CarMan-TSI	1 ea		855135002	RI11 Connector	<a href="https://www.digikey.com">https://www.digikey.com</a>	1.12	1.12				1N4001RLG	50V Rectifier					
CarMan-TSI	4 ea		172847-0102	1x2 Molex Header	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.74	2.96				TS431ILT	Shunt Regulator					
CarMan-TSI	3 ea		39-30-6047	2x4 Molex Header	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.68	2.04				APAN3105	5V Relay					
CarMan-TSI	8 ea		39-30-6042	2x2 Molex Header	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.79	6.32				GSLE-1-E-DC24	24V Relay					
CarMan-TSI	7 ea		42375-1856	1x3 PCB Header	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.16	1.12			SKIPPING HEADERS/JUMPERS RN	SFS2-DC24V	24V Relay (IMD & AMS)					
CarMan-TSI	2 ea		Pololu 1016	1x6 Female Header	<a href="https://www.pololu.com">https://www.pololu.com</a>	0.49	0.98				THN 30-2415W1	24V isolated converter					
CarMan-TSI	3 ea		39-31-0067	2x3 Molex Header	<a href="https://www.mouser.com">https://www.mouser.com</a>	2.43	7.29				KUB48120B-10A	24V-12V Converter	<a href="https://www.digikey.com/en/products/detail/momusys">https://www.digikey.com/en/products/detail/momusys</a>				Order More, or find replacement
CarMan-TSI	5 ea		Pololu 1013	1x3 Female Header	<a href="https://www.pololu.com">https://www.pololu.com</a>	0.34	1.7				ZVP1320F	200V PMOS					
CarMan-TSI	5 ea		Pololu 1012	1x2 Female Header	<a href="https://www.pololu.com">https://www.pololu.com</a>	0.29	1.45				MIMBF170	NMOS					
CarMan-TSI	1 ea		APAN3105	5V Relay	<a href="https://www.mouser.com">https://www.mouser.com</a>	6.99	6.99				SI1302L-1-E-3	MOSFET					
CarMan-TSI	1 ea		GSLE-1-E-DC24	24V Relay	<a href="https://www.mouser.com">https://www.mouser.com</a>	2.16	2.16				RK73H2ATD1001F	1K Resistor					
CarMan-TSI	2 ea		SFS2-DC24V	24V Complicated Relay	<a href="https://www.mouser.com">https://www.mouser.com</a>	20.99	41.98				ERJ-T06J242V	2.4K Resistor					
CarMan-TSI	1 ea		THN 30-2415W1	DC/DC Converter	<a href="https://www.mouser.com">https://www.mouser.com</a>	76.2	76.2				CRCW0805500K0FKTA	5K Resistor					
CarMan-TSI	1 ea		EHH010A0B41-HZ	DC/DC Converter	<a href="https://www.mouser.com">https://www.mouser.com</a>	36.64	36.64				CRS0805-FX-1002ELF	10K Resistor					
CarMan-TSI	2 ea		ZVP1320FTA	PFET	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.52	1.04				SG73P2ATD1503F	150K Resistor					
CarMan-TSI	1 ea		MIMBF170	NFET	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.36	0.36				RC0805DR-072K2L	2.2K Resistor					
CarMan-TSI	1 ea		SI1302DL-1-E-3	NFET	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.4	0.4				CRCW0805120RPFKEAC	120 Ohm Resistor					
CarMan-TSI	1 ea		TN2130K1-G	MOSFET	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.63	0.63				CRCW0805300RFKEAC	300 Ohm Resistor					
CarMan-TSI	4 ea		RK73H2ATD1001F	1K Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.1	0.4				SG73G2ATD1003D	100K Resistor					
CarMan-TSI	1 ea		RK73H2ATD10952F	95.3K Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.1	0.1				KTR10E2P392	4K Resistor					
CarMan-TSI	2 ea		SFR10E2P331	330 Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.11	0.22				CRCW08050931FKEA	9.31K Resistor					
CarMan-TSI	4 ea		CRCW0805500K0FKTA	5K Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.15	0.6				CRCW0805450RFKEAC	450 Ohm Resistor					
CarMan-TSI	34 ea		RN73R2ATD1002025	10K Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.288	9.792				CRCW0805200RFKEAC	200 Ohm Resistor					
CarMan-TSI	2 ea		RC0805DR-072K2L	2.2K Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.14	0.28				CRCW0805300RFKEAC	300 Ohm Resistor					
CarMan-TSI	2 ea		CRCW0805300RFKEAC	300 Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.16	0.32				ERJ-P06F5602V	56K Resistor					
CarMan-TSI	3 ea		RK73H2ATD1003D	100K Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.22	0.66				CRCW080540K0KEA	40K Resistor					
CarMan-TSI	2 ea		KTR10E2P392	3.9k Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.14	0.28				TNPW080515K0BEEA	15K Resistor					
CarMan-TSI	2 ea		CRCW08059K31FKEA	9.31k Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.1	0.2				ERJ-P6WJ152V	1.5K Resistor 0.5W	<a href="https://www.digikey.com/en/products/detail/panasonic">https://www.digikey.com/en/products/detail/panasonic</a>				R61, R109, R110
CarMan-TSI	7 ea		CRCW0805499RFKEAC	499 Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	0.16	1.12				CRCW0805249RFKEAC	24.9K Resistor					
CarMan-TSI	1 ea		CRCW08052K00FKEAC	2K Ohm 1/8W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.10	\$0.10				CR0805-FX-2101ELF	2.1K Resistor					
CarMan-TSI	1 ea		KTR10E2P392	3.9K Ohm 1/8W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.14	\$0.14				RK73H2ATD10952F	95K Resistor					
CarMan-TSI	1 ea		RC08053K00FKEA	3K Ohm 0.4W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.25	\$0.25				ERA-6A8165V	1.6K Resistor	<a href="https://www.digikey.com/en/products/detail/panasonic">https://www.digikey.com/en/products/detail/panasonic</a>				
CarMan-TSI	7 ea		ERJ-T06J242V	2.4K Ohm 1/4W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.32	\$2.24				RMCP080511K120	1.2K Resistor	<a href="https://www.digikey.com/en/products/detail/sta">https://www.digikey.com/en/products/detail/sta</a>				
CarMan-TSI	2 ea		RN73R2ATD1002025	10K Ohm 1/8W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.39	\$0.78				SFR10E2P331	330 Ohm Resistor					
CarMan-TSI	1 ea		RC0805500K0FKEA	500 Ohm 0.4W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.25	\$0.25				SG73G2ATD1004D	1M Resistor					
CarMan-TSI	1 ea		RCC080515K0FKEA	15K Ohm 1/4W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.18	\$0.18				3296W-1-103LF	10K potentiometer through hole	<a href="https://www.digikey.com/en/products/detail/bourns-si">https://www.digikey.com/en/products/detail/bourns-si</a>				
CarMan-TSI	2 ea		CRCW0805249RFKEAC	24.9K Ohm 1/8W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.16	\$0.32				23BR1KLFTR	1K potentiometer smd					
CarMan-TSI	1 ea		CR0805-FX-2101ELF	2.1K Ohm Resistor 1/8W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.10	\$0.10				23BR10KLFTR	10K potentiometer smd					
CarMan-TSI	2 ea		RCC08051M00FKEA	1M Ohm 1/4W	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.18	\$0.36				TSSA3159DBVT	Switch (SPDT)					
CarMan-TSI	1 ea		RN73R2ATD1200D25	120 Ohm 1/8W Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.39	\$0.39				NA	Push button(From AEC 410)					
CarMan-TSI	1 ea		3296W-1-502LF	5K Trimmer Resistor	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$2.87	\$2.87				RDE0310S12	Isolating Converter(TSAL)					
CarMan-TSI	1 ea		23BR10KLFTR	10K Potentiometer	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$1.27	\$1.27				TS912	Op Amp IC					
CarMan-TSI	1 ea		TSSA3159DBVT	Analog Switch ICs	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.79	\$0.79				ACPL-C870	Isolated Op Amp IC					
CarMan-TSI	1 ea		RDE0310S12	Isolated DC/DC Converters	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$34.00	\$34.00				S9800AB-B-IS	I2C Isolator					
CarMan-TSI	2 ea		TS912YDT	Operational Amplifiers	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$1.48	\$2.96				MCP6004T-ESLVAO	Op Amp IC					
CarMan-TSI	1 ea		ACPL-C870-000E	Optically Isolated Amplifiers	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$5.30	\$5.30				74ACT11030	8-input NAND					
CarMan-TSI	1 ea		S9800AB-B-IS	I2C Isolator	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$3.33	\$3.33				STN3NF06L	60V NMOS					
CarMan-TSI	6 ea		MCP6004T-VSLGVAO	Op Amps	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.41	\$2.46				MCT7805BDBTRKG	5V Linear Regulator					
CarMan-TSI	1 ea		74ACT11030DR	8-input AND gate	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$2.29	\$2.29				TLP293(GP-TBLE)	Opto-Isolator					
CarMan-TSI	1 ea		STN3NF06L	MOSFET N-Ch	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.64	\$0.64				595-REF3033AIDBZT	3.3V Reference					
CarMan-TSI	1 ea		MCT7805BDBTRKG	Voltage Regulators	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.56	\$0.56				TS372CDT	Voltage Comparator					
CarMan-TSI	1 ea		DACS574IDGS	DAC 8-bit	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$4.35	\$4.35				SN74HC00APWR	NAND IC					
CarMan-TSI	1 ea		NCD98300BR2G	ADC 8-BIT	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$2.91	\$2.91				MCP23016-L-50	16 bit I/O Expander					
CarMan-TSI	2 ea		SN74LVC1G080CKR	2 input AND gate	<a href="https://www.mouser.com">https://www.mouser.com</a>	\$0.27	\$0.54				DAC2574IDGS	DAC					