

Comment	Description	Designator	Footprint	Manufacturer 1	Manufacturer Part Number 1	Quantity	Supplier 1	Supplier Part Number 1
0.1uF	0.1µF ±10% 50V Ceramic Capacitor X7R 0402 (1005 Metric)	C1, C4, C5, C8, C10, C12, C13, C18, C19	0402	TDK	CGA2B3X7R1H104K050BB	9	Digi-Key	445-6899-1-ND
560pF	560pF ±5% 50V Ceramic Capacitor CH 0402 (1005 Metric)	C2, C3	0402	Taiyo Yuden	UMK105CH561JVHF	2	Digi-Key	587-5093-1-ND
18pF	18pF ±5% 50V Ceramic Capacitor C0G, NP0 0402 (1005 Metric)	C6, C7, C14, C15	0402	Murata	GCM1555C1H180JA16D	4	Digi-Key	490-12650-1-ND
47uF	47µF 35V Aluminum Capacitors Radial, Can - SMD 5000 Hrs @ 105°C	C9	Elec. Cap - D	Panasonic	EEE-HDV470XAP	1	Digi-Key	PCE4968CT-ND
22uF	22µF ±20% 4V Ceramic Capacitor X7R 1206 (3216 Metric)	C11	1206	Taiyo Yuden	AMK316AB7226MLHT	1	Digi-Key	587-3267-1-ND
ACURA107-HF	Diode Schottky 1000V 1A Surface Mount DO-214AC (SMA)	D1, D2	SMA with A and K	Comchip	ACURA107-HF	2	Digi-Key	641-1884-1-ND
Vehicle Interface Cable Connector (Female)	Receptacle Assembly, 15 Position, Right Angle	J1	DSUB1.385-2H15	Amphenol FCI	D15S33E4GV00LF	1	Digi-Key	609-1498-ND
Device (ELD) Interface Cable Connector (male)	Receptacle Assembly, 15 Position, Right Angle	J2	DSUB1.385-2H15	Amphenol FCI	D15P33E4GV00LF	1	Digi-Key	609-1492-ND
10k	10 kOhms ±0.5% 0.063W, 1/16W Chip Resistor 0402 (1005 Metric) Anti-Sulfur, Automotive AEC-Q200 Thin Film	R1, R6, R7, R9	0402	Susumu	RG1005P-103-D-T10	4	Digi-Key	RG10P10.0KDCT-ND
120	120 Ohms ±1% 0.063W, 1/16W Chip Resistor 0402 (1005 Metric) Automotive AEC-Q200 Thick Film	R2, R3, R4, R5, R8	0402	Vishay	CRCW0402120RFKED	5	Digi-Key	541-120LCT-ND
Transfeed Varistor 26V	34.5V 80A Varistor 1 Circuit Surface Mount 0805 (2012 Metric)	TVS1, TVS2	Transfeed	Kyocera AVX	V2AF126C600Y2EDP	2	Digi-Key	478-10038-1-ND
STM32F042G4U6	ARM® Cortex®-M0 STM32F0 Microcontroller IC 32-Bit 48MHz 16KB (16K x 8) FLASH 28-UFQFPN (4x4)	U1, U6	STM-UFQFPN28_V	STMicroelectronics	STM32F042G4U6	2	Digi-Key	497-17830-ND
TCAN330DCNT	IC TXRX CAN 3.3V SOT23-8	U2, U3	SOT65P280X145-8N	Texas Instruments	TCAN330DCNT	2	Digi-Key	296-44210-1-ND
TCAN334DCNT	IC TXRX CAN 3.3V SOT23-8	U4, U5	SOT65P280X145-8N	Texas Instruments	TCAN334DCNT	2	Digi-Key	296-44503-1-ND
TLS810B1LDV33XUMA1	Linear Voltage Regulator IC 1 Output 100mA PG-TSON-10	U7	SON50P330X110_HS-11N	Infineon	TLS810B1LDV33XUMA1	1	Digi-Key	TLS810B1LDV33XUMA1CT-ND
20MHz	20MHz ±30ppm Crystal 18pF 60 Ohms 4-SMD, No Lead	Y1, Y2	XTAL 4 pad	ECS International	ECS-200-18-33Q-DS	2	Digi-Key	XC1998CT-ND