

Fitted	RES, 49.9, 1%, 0.063 W, 0402	R134	CRCW0402499FKED	1	Vishay-Dale	0402			
Fitted	RES, 4.99 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	R142, R150	ERJ-2RK4991X	2	Panasonic	0402		4.99k	
Fitted	RES, 4.99 k, 1%, 0.063 W, 0402	R143, R147	CRCW04024K99FKED	2	Vishay-Dale	0402		4.99k	
Fitted	RES, 1.0 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	R149	ERJ-2GE1102X	1	Panasonic	0402		1.0k	
Fitted	RES, 330 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	R151, R153	CRCW0402330KFKED	2	Vishay-Dale	0402		330k	
Fitted	RES, 49.9 k, 1%, 0.063 W, 0402	R156	CRCW040249K9FKED	1	Vishay-Dale	0402		49.9k	
Fitted	RES, 30.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	R157, R174	CRCW040230K0FKED	2	Vishay-Dale	0402		30.0k	
Fitted	RES, 35000, 0.1%, 0.05 W, 0402	R193	PNM0402E3502B5T1	1	Vishay-Dale	0402		35.0k	
Fitted	RES, 3.83, 1%, 0.063 W, 0402	R202, R203, R204, R205	CRCW04023R83FKED	4	Vishay-Dale	0402		3.83	
Fitted	Switch, Slide, SPST, Top Slide, SMT	S2	CH5-01TB	1	Copal Electronics	Switch, Single Top Slide, 2.5x8x2.5mm			
Fitted	Switch, SPST-NO, Off-Mom, 0.01 A, 32 VDC, SMD	SW1, SW2	KMR243GLFG	2	C&K Components	4.2x2.8mm			
Fitted	2.3V-3.6V, 16M-BIT [x 1/x 2/x 4] CMOS FLASH Memory, WSON-8	U1	MX25V1635FZNG	1	Macronix International Co., LTD	WSON-8			
Fitted	Single-Chip 76- to 81-GHz mmWave Sensor, ABL0161B (FCBGA-161)	U2	IWR1642AQAGABL	1	Texas Instruments	ABL0161B			Texas Instruments
Fitted	Automotive Fault Protected CAN Transceiver With Flexible Data-Rate, D0008A (SOIC-8)	U3	TCAN1042HGVDRQ1	1	Texas Instruments	D0008A			Texas Instruments
Fitted	Automotive Low-Noise, Wide-Bandwidth, High PSRR, Low-Dropout 1-A Linear Regulator	U4	TPS7A8101QDRBRQ1	1	Texas Instruments	DRB0008A			Texas Instruments
Fitted	Dual, 1-A, Low Noise (3.8-uVRMS), LDO Voltage Regulator, RT10020D (WQFN-20)	U5	TPS7A8801RTJR	1	Texas Instruments	RT10020D			Texas Instruments
Fitted	Tiva C Series Microcontroller, 1024 KB Flash, 256 KB SRAM, 12 Bit, 20 Channels, -40 to 10	U6	TM4C1294NCPDTT3	1	Texas Instruments	PD10128A			
Fitted	Precision Micropower Shunt Voltage Reference, 0.5% accuracy, 2.5 V, 15 ppm / degC, 15	U7	LM400C25QDBZR	1	Texas Instruments	DBZ0003A			
Fitted	Four-Phase 2.5-A-per-Phase Buck Converter With Integrated Switches, RNF0026C (VQFN	U8	LP87524BRNFRQ1	1	Texas Instruments	RNF0026C			Texas Instruments
Fitted	Single Output High PSRR LDO, 1 A, Adjustable 1.2 to 5.5 V Output, 2.7 to 5.5 V Input, 8-pi	U9, U11	TPS79601DRBR	2	Texas Instruments	DRB0008B			
Fitted	ESD-Protection Array for High-Speed Data Interfaces, 4 Channels, -40 to +85 degC, 6-pi	U10	TPD4E004DRYR	1	Texas Instruments	DRY0006A			
Fitted	1.4V-Capable +/-0.5degC Temperature Sensor with Alert Function and I2C/SMBus interf	U12, U13	TMP112AIDRLR	2	Texas Instruments	DRL0006A			Texas Instruments
Fitted	10-Ohm Quad SPDT Analog Switch, RSV0016A (UQFN-16)	U14	TS3A501BR5VR	1	Texas Instruments	RSV0016A			Texas Instruments
Fitted	Works With TI LaunchPad Logo		Works With TI LaunchPad Logo	1					
Fitted	Crystal, 40 MHz, 8pF, SMD	Y1	CX32255A40000D0PTWCC	1	Kyocera	3.2x2.5mm			
Fitted	Crystal, 16 MHz, 15 ppm, 8 pF, AEC-Q200 Grade 1, SMD	Y2	NX32255A-16.000M-STD-CRS-2	1	NDK	3.2x0.55x2.5mm			
Fitted	Bumpom, Cylindrical, 0.312 X 0.200, Black	Z1, Z2, Z3, Z4, Z5, Z6, Z7, Z8	SJ61A1	8	3M	Black Bumpom			
Fitted	Screw, Pan Phillips, Nylon, 2-56	Z9, Z10, Z11	90272A146	3	B&F Fastener Supply				
Fitted	Nut, Hex, 11/32" Stainless Steel, 8-32	Z12, Z13, Z14	90631A007	3	mcmaster				
Fitted	BRACKET MOUNTIG ALUM	Z15, Z16, Z17, Z18	625	4	Keystone Electronics	Active			
Fitted	CABLE MINI USB SPIN 1M 2.0 VERS	Z19	3025010-03	1					
Fitted	2 (1 x 2) Position Shunt Connector Black Open Top 0.100" (2.54mm) Gold	Z20, Z21	969102-0000-DA	2					
Not Fitted	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	C83	GCM21BR71A106KE22L	0	MuRata	0805		10uF	
Not Fitted	Ferrite Bead, 30 ohm @ 100 MHz, 4 A, 0805	F82	BLM21PG300SH1D	0	MuRata	0805		30 ohm	
Not Fitted	Fiducial mark. There is nothing to buy or mount.	FID1, FID2, FID3, FID4, FID5, FID6, FID7	N/A	0	N/A	N/A			
Not Fitted	Inductor, Shielded, 470 nH, 4.7 A, 0.021 ohm, SMD	L5, L6	DFE252012P-R47M=P2	0	MuRata Toko	1008		470nH	
Not Fitted	RES, 0, 5%, 0.05 W, 0201	R8, R9, R21, R26, R33, R102, R108, R109, R135, R164, R166, R169, R210, R211	CRCW02010000Z0ED	0	Vishay-Dale	0201		0	
Not Fitted	RES, 10.0 k, 1%, 0.063 W, 0402	R47, R83, R177	CRCW040210K0FKED	0	Vishay-Dale	0402		10.0k	
Not Fitted	RES, 0, 5%, 0.063 W, 0402	R97, R120, R178	ERJ-2GE0R00X	0	Panasonic	0402		0	
Not Fitted	RES, 0, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	R115	CRCW20100000Z0EF	0	Vishay-Dale	2010		0	
Not Fitted	RES, 0, 5%, 0.125 W, 0603	R130, R137, R195	MCT0603020000ZP500	0	Vishay/Beyschlag	0603		0	

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