

Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	PackageReference	Value
Fitted	CAP. CERAM 10 µf 10V, +/- 10% KSR, 0805	C1, C9, C19	AMC2128106KD1	1	Taiyo Yuden	0805	10µF
Fitted	CAP. CERAM 0.1 µf, 10V, +/- 10%, K7E, 0402	C2, C4, C6, C8, C10, C11, C16, C18, C23	C105B104KPSANN C	6	Samsung Electro Mechanics	0402	0.1µF
Fitted	CAP. CERAM 0.1 µf 6.3V, +/- 20%, K7E, 0603	C3, C5	C160B750106M 806AC	2	TDK	0603	10µF
Fitted	CAP. CERAM 0.01 µf, 10V, +/- 10%, K7E, 0402	C7	0402ZC109KA72A	1	AVX	0402	0.01µF
Fitted	CAP. CERAM 0.1 µf, 25V, +/- 10%, K7E, AEC-Q200 Grade 1, 0402	C12, C14	CGA2B3X7R1E104 0050B	2	TDK	0402	0.1µF
Fitted	CAP. CERAM 1 µf, 25V, +/- 20%, K7E, AEC-Q200 Grade 1, 0603	C13, C15	CGA3E107R1E105 M006AC	2	TDK	0603	1µF
Fitted	CAP. CERAM 1200 pf, 50V, +/- 5%, C0G/NPO, 0603	C20, C21	GRM189C1H122J M010	2	Murata	0603	1200pf
Fitted	Diode, Schottky, 40V, 0.75 A, AEC- Q101, SOD-323	D1, D2	BAT1656327HT5 B1	2	Infineon Technologies	SOD-323	40V
Fitted	Diode, Zener, 4.7 V, 150 mW, AEC- Q101, SOD-523	D3, D4	EDZVFHT284 7B	2	Rohm	SOD-523	4.7V
Fitted	Bump, Cylindrical, 0.312 x 0.200, Black	H1, H2, H3, H4	S361A1	4	3M	Black Bump	
Fitted	Terminal, Turret, TH, Double	HW NEG, HW POS	1593-2	2	KeyStone	KeyStone1593-2	
Fitted	Terminal Block, 8x1, 2.54-mm, TH	J1	T25711	1	Phoenix Contact	8POS Terminal Block	
Fitted	Res, Thin Film 1400 150K Ohm 0.1% 1/4W ±15ppm/°C Conformal SMD Meif Blister 1/R	R1, R2, R4, R5	MMA02040E1503 88300	4	Whay	MELF	150k
Fitted	160-KOhm 40.7% 1W Chip Resistor MELF, 0207 Automotive AEC- Q200 Metal Film	R3, R6	SMAL A0207RNT100K	2	TE Connectivity	MELF	100k
Fitted	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	R7, R9, R30	ERJ-3EKF1001V	3	Panasonic	0603	1.00k
Fitted	RES, 10.0 k, 1%, 0.063 W, AEC- Q200 Grade 0, 0402	R8, R10, R26, R29	RMCF0402F10K0	1	Stackpole Electronics Inc	0402	10.0k
Fitted	RES, 2.00 k, 0.1%, 0.063 W, 0603	R11	3F0603B20K0E	1	TE Connectivity	0603	2.00k
Fitted	RES, 5.11k, 0.1%, 0.1 W, AEC-Q200 Grade 1, 0603	R12, R19	TNPW0603K118E EA	2	Whay Date	0603	5.11k
Fitted	RES, 10.0 k, 0.1%, 0.1 W, AEC-Q200 Grade 1, 0603	R13, R20	TNPW060310K08E EA	2	Whay Date	0603	10.0k
Fitted	Res, Thin Film 2391 200K Ohm 0.1% 2/5W ±25ppm/°C Conformal Meif SMD Blister 1/R	R14, R15, R16, R17, R18, R21, R22, R23, R24, R25, R26, R27	MM802070D2003 88000	12	Whay	MELF	200k
Fitted	RES, 0.5%, 0.063 W, 0402	R23	ERJ-3EGR00K	1	Panasonic	0402	0
Fitted	RES, 20k, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	R35, R36	ERJ-3CE203X	2	Panasonic	0402	20k
Fitted	Transformer, 475uH, SMT	T1	760390014	1	Würth Elektronik	10.05x4.19x4.73 mm	475uH
Fitted	Automotive Low- Noise 350 mA, 410 kHz Transformer Driver, DBV0005A (SOT-5)	U1	SN6501QDBWR01	1	Texas Instruments		DBV0005A
Fitted	Single Output Automotive LDO, 150 mA, Fixed 5 V Output, 2.7 to 10 V Input, 5-pin SOT 23 (DBV), -40 to 125 degC, Green (RoHS & no Sb/Bi)	U2	TPS7A3500DBWRG 1	1	Texas Instruments		DBV0005A
Fitted	Precision +/-250 mV Input, 3-us Delay, Buffered Isolated Amplifier DBV0008A (SOT- 8)	U3	AMC1301DWR	1	Texas Instruments		DBV0008A
Fitted	Automotive Catalog Precision Micropower Shunt Voltage Reference, -40 to 125 degC, 3-pin SOT-23 (DBV), Green (RoHS & no Sb/Bi)	U4	TL4050B25DDB2R 01	1	Texas Instruments		DB20003A
Fitted	Automotive Catalog 1-MHz, 45 µA, RRIO, Dual Operational Amplifier, 2.1 to 5.5 V, -40 to 125 degC, 8-pin SOIC (D0008A), Green (RoHS & no Sb/Bi)	U5	OPA2248A0DR01	1	Texas Instruments		D0008A
Fitted	Isolated Solid State Buffer	U6, U7	TPS2140QDWR 01	2	Texas Instruments		SOIC11
Fitted	Automotive Catalog Low Noise, Very Low Dist, Precision Voltage Reference, -40 to 125 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Bi)	U8	REF5025A0DR01	1	Texas Instruments		D0008A
Fitted	Automotive Qualified Precision, Zero- Crossing, 20MHz, 0.9pA Ib, RRIO, CMOS Operational Amplifier, DBV0005A (SOT- 23)	U9	OPA320A0DBWRG 1	1	Texas Instruments		DBV0005A
Not Fitted	CAP. CERAM 0.1 µf, 10V, +/- 10%, K7E, 0402	C17, C22	C105B104KPSANN C		Samsung Electro Mechanics	0402	0.1µF
Not Fitted	Physical mark There is nothing to buy or mount.	F01, F02, F03	N/A		N/A		Physical
Not Fitted	RES, 0.5%, 0.063 W, 0402	R34	ERJ-3EGR00K	0	Panasonic	0402	0

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