

Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	PackageReference	Value	Alternate Manufacturer	Alternate PartNumber
Fitted	CAP. CERM. 0.01 uF, 10 V, +/- 10%, X5R, 0402	C1, C11	GRM155R61A103K A01D	2	MuRata	0402	0.01uF		
Fitted	CAP. CERM. 0.1 uF, 25 V, +/- 10%, X5R, 0603	C2, C10	0603D104KAT2A	2	AVX	0603	0.1uF		
Fitted	CAP. CERM. 10 uF, 10 V, +/- 10%, X7R, 0805	C3	C2012X7R1A106K1 25AC	1	TDK	0805	10uF		
Fitted	CAP. CERM. 22 uF, 35 V, +/- 20%, X5R, 0805	C4, C7	C2012X5R1V226M 125AC	2	TDK	0805	22uF		
Fitted	CAP. CERM. 10 uF, 35 V, +/- 20%, X5R, 0603	C5, C8	GRM188R6YA106 MA73D	2	Murata	0603	10uF		
Fitted	CAP. CERM. 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	C6, C9	GCM155R71H104K E02D	2	MuRata	0402	0.1uF		
Fitted	Diode, Switching-Bridge, 1000 V, 1 A, Diode Bridge	D1	DF10S1	1	Fairchild Semiconductor	Diode Bridge	1000V		
Fitted	Diode, Schottky, 40 V, 1 A, SOD-123	D2	1N5819HW-7-F	1	Diodes Inc.	SOD-123	40V		
Fitted	Diode, Zener, 3 V, 225 mW, SOT-23	D3	BZX84C3VOLT1G	1	ON Semiconductor	SOT-23	3V		
Fitted	Header, 100mil, 2x1, Gold, TH	J1, J6, J7	TSW-102-07-G-S	3	Samtec	2x1 Header			
Fitted	Receptacle, 2.54mm, 10x2, Tin, TH	J1/J3, J2/J4	SSQ-110-03-T-D	2	Samtec	10x2 Receptacle		Major League Electronics	CRD-081413-A-G
Fitted	Power Barrel Connector Jack 2.50mm ID (0.098"), 5.50mm OD (0.217") Through Hole, Right Angle	J5	694108301002	1	Würth	CONN_PTH_DC_JACK_D6MM4			
Fitted	2 Position Wire to Board Terminal Block Vertical with Board 0.138" (3.50mm) Through Hole, Kinked Pin	J8	1-2834011-2	1	TE Connectivity AMP Connectors	HDR2			
Fitted	3.75-kVRMS, Single-Channel Opto-Emulator with Transistor Output	Q1	OE2	1	Texas Instruments	SOIC4	80V		
Fitted	Transistor, NPN, 80 V, 1.5 A, AEC-Q101, SOT-23	Q2, Q3, Q4	FMMT6207A	3	Diodes Inc.	SOT-23	80 V		
Fitted	3.75-kVRMS, Single-Channel Opto-Emulator with Transistor Output	Q5	OE1	1	Texas Instruments	SOIC4	80V		
Fitted	0 Ohms Jumper 0.5W, 1/2W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Metal Foil	R1	HCJ0805ZTOR00	1	Stackpole	0805	0		
Fitted	RES, 560, 1%, 0.063 W, 1x0.5mm	R2, R4, R7, R11	RC0402FR-0756QRL	4	Yageo America	1x0.5mm	560		
Fitted	RES, 3.30 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	R3, R6, R10	ERJ-2RKF3301X	3	Panasonic	0402	3.30k		
Fitted	RES, 1.2 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	R5	CRCW04021K20JN ED	1	Vishay-Dale	0402	1.2k		
Fitted	RES, 3.92, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	R8	CRCW12063R92FK EA	1	Vishay-Dale	1206	3.92		
Fitted	RES, 240, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	R9	ERJ-2RKF2400X	1	Panasonic	0402	240		
Fitted	3/4 Pin 1.5A Adjustable Positive Voltage Regulator, DCY0004A (SOT-223-4)	U1	LM317DCYR	1	Texas Instruments	DCY0004A		Texas Instruments	LM317DCY
Fitted	Constant Current Source, SOT353	U2	PSSI2021SAY,115	1	Nexperia	SOT353			
Fitted	Sensor PIR (Passive Infrared) Low Power	U3	PYD1598/7655	1	Excellitas Technologies	TO-5			

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