

	Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	Package/Reference	Value
	Fitted	CAP. CER.M. 1 uF, 25 V, +/- 10%, X7R, 0603	C2	885012206076	1	Würth Elektronik	0603	1uF
	Fitted	CAP. CER.M. 2.2 uF, 35 V, +/- 20%, X5R, 0402	C3	GRM155R4V225M11D	1	Multibeta	0402	2.2uF
	Fitted	CAP. CER.M. 470 pF, 50 V, +/- 10%, X7R, 0402	C4	GRM155R71H471KA01D	1	Multibeta	0402	470pF
	Fitted	CAP. CER.M. 10 uF, 25 V, +/- 20%, X5R, 0603	C5	C140BXSR1E106M060AC	1	TDK	0603	10uF
	Fitted	CAP. CER.M. 22 uF, 10 V, +/- 20%, X5R, 0603	Ca, C9	GRM18761A226M15D	2	Multibeta	0603	22uF
	Fitted	CAP. CER.M. 4.7 uF, 10 V, +/- 10%, X5R, 0402	C7	C1005X3R1A475K050BC	1	TDK	0402	4.7uF
	Fitted	CAP. CER.M. 2.2 uF, 10 V, +/- 20%, X5R, 0402	C8	885012105013	1	Würth Elektronik	0402	2.2uF
	Fitted	CAP. CER.M. 0.1 uF, 16 V, +/- 10%, X7R, 0402	C11, C13, C14, C18, C20, C21, C23, C24	885012205037	8	Würth Elektronik	0402	0.1uF
	Fitted	LED, Blue, SMD	D3	150060R570000	1	Würth Elektronik	LED_0603	Blue
	Fitted	LED, Green, SMD	D4, D7, D8, D9	150060G570000	4	Würth Elektronik	LED_0603	Green
	Fitted	LED, Red, SMD	D5	150060R570000	1	Würth Elektronik	LED_0603	Red
	Fitted	Diode, Super Barrier Rectifier, 40 V, 3 A, AEC-Q101, Power D123	D6	58RT3U40P1-7	1	Diodes Inc.	Power D123	40V
	Fitted	Electret mic, there is nothing to buy or mount	FD1, FD2, FD3, FD4, FD5, FD6	N/A	0	N/A	Electret	
	Fitted	Header, 2.54mm, 3x1, 1in, TH	J1	48001-403HLF	1	RSI	Header, 2.54mm, 3x1, TH	
	Fitted	Receptacle, D-Sub, 15 Position, R/A, TH	J2	A18015231121	1	Würth Elektronik	Receptacle, D-Sub, 15 Position, R/A, TH	
	Fitted	Connector, Receptacle, 100mil, 10x2, Gold plated, TH	J3, J4	03W-110-23-F-D	2	Semtec	10x2 Receptacle	
	Fitted	Power Jack, 2mm, 0/A, SMD	J5	RA0M722X	1	Switchcraft	SMT, 3-Leads, Power Socket, R/A, Pin Size 2mm	
	Fitted	Header, 100mil, 8x1, 1in, TH	J6	PLC085A4N	1	Sullins Connector Solutions	Header, 8x1, 100mil, TH	
	Fitted	Inductor, Shielded Drum Core, Metal Composite, 1 uH, 0.7 A, 0.1 ohm, SMD	L1	74479775210	1	Würth Elektronik	2x1.2x1mm	1uH
	Fitted	Inductor, Shielded Composite, 2.2 uH, 1.6 A, 0.08 ohm, SMD	L2	WEL3012-222MEB	1	Coilcraft	3x1.2x3mm	2.2uH
	Fitted	Thermal Transfer Printable Label, 0.650" W x 0.200" H, 10,000 per roll	LBL1	TH1-14-423-10	1	Brady	PCB Label 0.650" H x 0.200" W	
	Fitted	RES, 0, 5%, 0.1 W, 0603	R2, R22, R23, R29, R45	CRCW06030000000E A	5	Whisper-Dale	0603	0
	Fitted	RES, 10 k, 5%, 0.063 W, 0402	R3	CRCW0402150K0NE D	1	Whisper-Dale	0402	150k
	Fitted	RES, 0, 5%, 0.063 W, 0402	R4, R5, R6, R13, R26, R27, R30, R44	CRCW04020000000E D	6	Whisper-Dale	0402	0
	Fitted	RES, 22, 5%, 0.063 W, 0402	R6, R25, R41	CRCW040222R0JNE D	3	Whisper-Dale	0402	22
	Fitted	RES, 2.2 k, 5%, 0.063 W, 0402	R9, R10, R17	CRCW04022K20JNE D	3	Whisper-Dale	0402	2.2k
	Fitted	RES, 4.7 k, 5%, 0.063 W, 0402	R11, R20, R24, R34, R37, R40, R46, R49	CRCW04024K70JNE D	6	Whisper-Dale	0402	4.7k
	Fitted	RES, 10 k, 5%, 0.063 W, 0402	R12, R19	CRCW040210K0JNE D	2	Whisper-Dale	0402	10k
	Fitted	RES, 1.0 k, 5%, 0.1 W, 0603	R14	CRCW06031K00JNE A	1	Whisper-Dale	0603	1.0k
	Fitted	RES, 30 k, 5%, 0.063 W, 0402	R15	CRCW040230K0JNE D	1	Whisper-Dale	0402	30k
	Fitted	RES, 1.0, 5%, 0.1 W, 0603	R18	CRCW06031R00JNE A	1	Whisper-Dale	0603	1.0
	Fitted	RES, 99.0, 1%, 0.1 W, 0603	R28, R29, R42, R43	MC2003FR-07FMBL	4	Vagaro America	0603	99.0
	Fitted	RES, 47, 5%, 0.063 W, 0402	R35, R36, R50, R51	CRCW040247R0JNE D	4	Whisper-Dale	0402	47
	Fitted	2.7-18-V, 2-A, 79-mOhm On-Resistance Load Switch with Thermal Protection, DBV00006A (SOT-23-6)	U1	TPS22810DBVR	1	Texas Instruments	DBV0006A	
	Fitted	3.5-MHz High Efficiency Step-Up Converter, YFF0006AAE (DS9A-4)	U2	TPS61240YFBR	1	Texas Instruments	YFF0006AAE	
	Fitted	Back Step Down Regulator with 3 to 17-V Input and 3.3 V Output, 40 to 85 degC, 8-Pin VSON (DSG), Green (RoHS & no Sn/Pb)	U3	TPS62142DSGR	1	Texas Instruments	DSG0008A	
	Fitted	0-V RS-485 Transceivers With +/- 16-kV ESD Protection, DGK0008A (VSSOP-8)	U4, U7	THVD1550DGR	2	Texas Instruments	DGK0008A	
	Fitted	2-Bit Dual Supply Transceiver with Configurable Voltage-Level Shifting and 3-State Outputs, VZP0008ADAD (DS9A-4)	U5, U6, U8	SN74LVC2T45VZPR	3	Texas Instruments	VZP0008ADAD	
	Not Fitted	CAP. CER.M. 1 uF, 10 V, +/- 10%, X7R, 1812	C1	1812SC102KA11A	0	AVX	1812	1000pF
	Not Fitted	CAP. CER.M. 1 uF, 10 V, +/- 10%, X5R, 0402	C10, C17	GRM155R61A105KE15D	0	Multibeta	0402	1uF
	Not Fitted	CAP. CER.M. 220 pF, 50 V, +/- 1%, COG/NPO, 0603	C12, C15, C19, C22	0403SA221HAT2A	0	AVX	0603	220pF
	Not Fitted	CAP. CER.M. 470 pF, 50 V, +/- 10%, X7R, 0603	C16, C25	8850122060B1	0	Würth Elektronik	0603	470pF
	Not Fitted	Diode, TVS, Bi, 7 V, SOT-23	D1, D2	CD5SOT23-SM712	0	Bourns	SOT-23	7V
	Not Fitted	Jack, SMA PCB, Gold, SMT	J7, J8	CONVSM001-SMD-G	0	Uline Technologies	SMA Jack	
	Not Fitted	RES, 2.2 M, 5%, 0.25 W, 1206	R1	CRCW12062M20JNE A	0	Whisper-Dale	1206	2.2Meg
	Not Fitted	RES, 22, 5%, 0.063 W, 0402	R7	CRCW040222R0JNE D	0	Whisper-Dale	0402	22
	Not Fitted	RES, 0, 5%, 0.063 W, 0402	R16, R33, R47	CRCW04020000000E D	0	Whisper-Dale	0402	0
	Not Fitted	RES, 10 k, 5%, 0.063 W, 0402	R21	CRCW040210K0JNE D	0	Whisper-Dale	0402	10k
	Not Fitted	RES, 10 k, 5%, 0.1 W, 0603	R22, R32, R38, R46	CRCW060310K0JNE A	0	Whisper-Dale	0603	10k
	Not Fitted	Test Point, Miniature, Black, TH	TP1, TP2, TP3	5001	0	Kyocera	Black Miniature Testpoint	