

BOM - TIDA-01630

Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	PackageReferen	Value
Fitted	CAP, CERM, 1 uF, 25 V	C2	885012206076	1	Würth Elektronik	0603	1uF
Fitted	CAP, CERM, 2.2 uF, 35 V	C3	GRM155R6YA225ME11D	1	MuRata	0402	2.2uF
Fitted	CAP, CERM, 470 pF, 50 V	C4	GRM155R71H471KA01D	1	MuRata	0402	470pF
Fitted	CAP, CERM, 10 uF, 25 V	C5	C1608X5R1E106M080AC	1	TDK	0603	10uF
Fitted	CAP, CERM, 22 uF, 10 V	C6, C9	GRM187R61A226ME15D	2	MuRata	0603	22uF
Fitted	CAP, CERM, 4.7 uF, 10 V	C7	C1005X5R1A475K050BC	1	TDK	0402	4.7uF
Fitted	CAP, CERM, 2.2 uF, 10 V	C8	885012105013	1	Würth Elektronik	0402	2.2uF
Fitted	CAP, CERM, 0.1 uF, 16 V	C11, C13, C14, C20, C	885012205037	5	Würth Elektronik	0402	0.1uF
Fitted	LED, Blue, SMD	D3	150060BS75000	1	Würth Elektronik	LED_0603	Blue
Fitted	LED, Green, SMD	D4, D7, D8, D9	150060GS75000	4	Würth Elektronik	LED_0603	Green
Fitted	LED, Red, SMD	D5	150060RS75000	1	Würth Elektronik	LED_0603	Red
Fitted	Diode, Super Barrier F	D6	SBRT3U40P1-7	1	Diodes Inc.	PowerDI123	40V
Fitted	Fiducial mark. There	FID1, FID2, FID3, FID4	N/A	6	N/A	N/A	
Fitted	Header, 2.54mm, 3x1,	J1	68001-403HLF	1	FCI	Header, 2.54m	
Fitted	Receptacle, D-Sub, 15	J2	618015231121	1	Würth Elektronik	Receptacle, D	
Fitted	Connector, Receptacle	J3, J4	SSW-110-23-F-D	2	Samtec	10x2 Recepta	
Fitted	Power Jack, 2mm, R/A	J5	RASM722X	1	Switchcraft	SMT, 3-Leads,	
Fitted	Header, 100mil, 8x1, 7	J6	PEC08SAAN	1	Sullins Connector Solu	Header, 8x1, 1	
Fitted	Inductor, Shielded Dr	L1	74479775210	1	Würth Elektronik	0805	1uH
Fitted	Inductor, Shielded, Co	L2	XFL3012-222MEB	1	Coilcraft	3x1.2x3mm	2.2uH
Fitted	Thermal Transfer Print	LBL1	THT-14-423-10	1	Brady	PCB Label 0.6	
Fitted	RES, 0, 5%, 0.1 W, AEC	R2, R23, R31	CRCW06030000Z0EA	3	Vishay-Dale	0603	0
Fitted	RES, 150 k, 5%, 0.063	R3	CRCW0402150KJNED	1	Vishay-Dale	0402	150k
Fitted	RES, 0, 5%, 0.063 W, A	R4, R5, R8, R13, R26, R	CRCW04020000Z0ED	7	Vishay-Dale	0402	0
Fitted	RES, 22, 5%, 0.063 W,	R6, R25	CRCW040222R0JNED	2	Vishay-Dale	0402	22
Fitted	RES, 2.2 k, 5%, 0.063	R9, R10, R17	CRCW04022K20JNED	3	Vishay-Dale	0402	2.2k
Fitted	RES, 4.7 k, 5%, 0.063	R11, R20	CRCW04024K70JNED	2	Vishay-Dale	0402	4.7k
Fitted	RES, 10 k, 5%, 0.063	R12, R19	CRCW040210K0JNED	2	Vishay-Dale	0402	10k
Fitted	RES, 1.0 k, 5%, 0.1 W,	R14, R22, R32	CRCW06031K00JNEA	3	Vishay-Dale	0603	1.0k
Fitted	RES, 30 k, 5%, 0.063	R15	CRCW040230K0JNED	1	Vishay-Dale	0402	30k
Fitted	RES, 1.0, 5%, 0.1 W, A	R18	CRCW06031R00JNEA	1	Vishay-Dale	0603	1.0
Fitted	RES, 4.7 k, 5%, 0.063	R24, R34, R37	CRCW04024K70JNED	3	Vishay-Dale	0402	4.7k
Fitted	RES, 110, 1%, 0.1 W, A	R28, R29	CRCW0603110RFKEA	2	Vishay-Dale	0603	110
Fitted	RES, 47, 5%, 0.063 W,	R35, R36	CRCW040247R0JNED	2	Vishay-Dale	0402	47
Fitted	2.7-18-V, 2-A, 79-mΩ	U1	TPS22810DBVR	1	Texas Instruments	DBV0006A	
Fitted	5V, 400mA, 4MHz Ste	U2	TPS61240YFFR	1	Texas Instruments	YFF0006AEAE	
Fitted	Buck Step Down Regu	U3	TPS62162DSGR	1	Texas Instruments	DSG0008A	
Fitted	5-V RS-485 Transceiv	U4	THVD1550DGKR	1	Texas Instruments	DGK0008A	
Fitted	Dual-Bit Dual Supply	U5, U6	SN74LVC2T45YZPR	2	Texas Instruments	YZP0008ADAI	
Not Fitted	CAP, CERM, 1000 pF,	C1	1812GC102KAT1A	0	AVX	1812	1000pF
Not Fitted	CAP, CERM, 1 uF, 10 V	C10, C17	GRM155R61A105KE15D	0	MuRata	0402	1uF
Not Fitted	CAP, CERM, 220 pF, 50	C12, C15, C19, C22	06035A221FAT2A	0	AVX	0603	220pF
Not Fitted	CAP, CERM, 470 pF, 50	C16, C25	885012206081	0	Würth Elektronik	0603	470pF
Not Fitted	CAP, CERM, 0.1 uF, 16	C18, C23, C24	885012205037	0	Würth Elektronik	0402	0.1uF
Not Fitted	Diode, TVS, Bi, 7 V, S	CD1, D2	CDSOT23-SM712	0	Bourns	SOT-23	7V
Not Fitted	Jack, SMA, PCB, Gold,	J7, J8	CON SMA001-SMD-G	0	Linx Technologies	SMA Jack	

Not Fitted	RES, 2.2 M, 5%, 0.25 W	R1	CRCW12062M20JNEA	0	Vishay-Dale	1206	2.2Meg
Not Fitted	RES, 22, 5%, 0.063 W	R7, R41	CRCW040222R0JNED	0	Vishay-Dale	0402	22
Not Fitted	RES, 0, 5%, 0.063 W, A	R16, R33, R44, R47	CRCW04020000Z0ED	0	Vishay-Dale	0402	0
Not Fitted	RES, 10 k, 5%, 0.063 W	R21	CRCW040210K0JNED	0	Vishay-Dale	0402	10k
Not Fitted	RES, 10 k, 5%, 0.1 W, A	R38, R46	CRCW060310K0JNEA	0	Vishay-Dale	0603	10k
Not Fitted	RES, 0, 5%, 0.1 W, AEC	R39, R45	CRCW06030000Z0EA	0	Vishay-Dale	0603	0
Not Fitted	RES, 4.7 k, 5%, 0.063 W	R40, R48, R49	CRCW04024K70JNED	0	Vishay-Dale	0402	4.7k
Not Fitted	RES, 59.0, 1%, 0.1 W, C	R42, R43	RC0603FR-0759RL	0	Yageo America	0603	59.0
Not Fitted	RES, 47, 5%, 0.063 W	R50, R51	CRCW040247R0JNED	0	Vishay-Dale	0402	47
Not Fitted	Test Point, Miniature,	TP1, TP2, TP3	5001	0	Keystone	Black Miniatur	
Not Fitted	5-V RS-485 Transceiver	U7	THVD1550DGKR	0	Texas Instruments	DGK0008A	
Not Fitted	Dual-Bit Dual Supply	U8	SN74LVC2T45YZPR	0	Texas Instruments	YZP0008ADA	

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