BOM - TIDA-01401

Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	PackageReference	Value
Fitted	Printed Circuit Board	!PCB1	TIDA-01401	1	Any		
Fitted	CAP, CERM, 1 µF, 25 V,	C2	885012206076	1	Wurth Elektronik	0603	1uF
Fitted	CAP, CERM, 2.2 uF, 35	C3	GRM155R6YA225ME1	1	MuRata	0402	2.2uF
Fitted	CAP, CERM, 470 pF, 50	C4	GRM155R71H471KA01	1	MuRata	0402	470pF
Fitted	CAP, CERM, 10 µF, 25 V	C5	C1608X5R1E106M080A	1	TDK	0603	10uF
Fitted	CAP, CERM, 22 µF, 10 V	C6, C9	GRM187R61A226ME15	2	MuRata	0603	22uF
Fitted	CAP, CERM, 4.7 µF, 10	C7	C1005X5R1A475K050B	1	TDK	0402	4.7uF
Fitted	CAP, CERM, 2.2 uF, 10	C8	885012105013	1	Wurth Elektronik	0402	2.2uF
Fitted	CAP, CERM, 0.1 µF, 16	C11, C13, C14,	885012205037	8	Wurth Elektronik	0402	0.1uF
Fitted	LED, Blue, SMD	D3	150060BS75000	1	Wurth Elektronik	LED_0603	Blue
Fitted	LED, Green, SMD	D4, D7, D8, D9	150060GS75000	4	Wurth Elektronik	LED_0603	Green
Fitted	LED, Red, SMD	D5	150060RS75000	1	Wurth Elektronik	LED_0603	Red
Fitted	Diode, Super Barrier Re	D6	SBRT3U40P1-7	1	Diodes Inc.	PowerDI123	40V
Fitted	Fiducial mark. There is	FID1, FID2, FID	N/A	6	N/A	Fiducial	
Fitted	Header, 2.54mm, 3x1,	J1	68001-403HLF	1	FCI	Header, 2.54mm, 3x1,	
Fitted	Receptacle, D-Sub, 15	J2	618015231121	1	Wurth Elektronik	Receptacle, D-Sub, 15	
Fitted	Connector, Receptacle,	J3, J4	SSW-110-23-F-D	2	Samtec	10x2 Receptacle	
Fitted	Power Jack, 2mm, R/A,	J5	RASM722X	1	Switchcraft	SMT, 3-Leads, Power S	
Fitted	Header, 100mil, 8x1, Ti	J6	PEC08SAAN	1	Sullins Connector Solu	Header, 8x1, 100mil, TH	
Fitted	Inductor, Shielded Dru	L1	74479775210	1	Wurth Elektronik	2x1.2x1mm	1uH
Fitted	Inductor, Shielded, Cor	L2	XFL3012-222MEB	1	Coilcraft	3x1.2x3mm	2.2uH
Fitted	Thermal Transfer Printa	LBL1	THT-14-423-10	1	Brady	PCB Label 0.650"H x 0.	
Fitted	RES, 0, 5%, 0.1 W, 0603	R2, R23, R31, F	CRCW06030000Z0EA	5	Vishay-Dale	0603	0
Fitted	RES, 150 k, 5%, 0.063 V	R3	CRCW0402150KJNED	1	Vishay-Dale	0402	150k
Fitted	RES, 0, 5%, 0.063 W, 04	R4, R5, R8, R13	CRCW04020000Z0ED	8	Vishay-Dale	0402	0
Fitted	RES, 22, 5%, 0.063 W, 0	R6, R25, R41	CRCW040222R0JNED	3	Vishay-Dale	0402	22
Fitted	RES, 2.2 k, 5%, 0.063 W	R9, R10, R17	CRCW04022K20JNED	3	Vishay-Dale	0402	2.2k
Fitted	RES, 4.7 k, 5%, 0.063 W	R11, R20, R24,	CRCW04024K70JNED	8	Vishay-Dale	0402	4.7k
Fitted	RES, 10 k, 5%, 0.063 W,	R12, R19	CRCW040210K0JNED	2	Vishay-Dale	0402	10k
Fitted	RES, 1.0 k, 5%, 0.1 W, 0	R14	CRCW06031K00JNEA	1	Vishay-Dale	0603	1.0k
Fitted	RES, 30 k, 5%, 0.063 W,	R15	CRCW040230K0JNED	1	Vishay-Dale	0402	30k
Fitted	RES, 1.0, 5%, 0.1 W, 06	R18	CRCW06031R00JNEA	1	Vishay-Dale	0603	1.0
Fitted	RES, 59.0, 1%, 0.1 W, 0	R28, R29, R42,	RC0603FR-0759RL	4	Yageo America	0603	59.0
Fitted	RES, 47, 5%, 0.063 W, 0	R35, R36, R50,	CRCW040247R0JNED	4	Vishay-Dale	0402	47
Fitted	2.7-18-V, 2-A, 79-mΩ (	U1	TPS22810DBVR	1	Texas Instruments	DBV0006A	
Fitted	3.5-MHz High Efficienc	U2	TPS61240YFFR	1	Texas Instruments	YFF0006AEAE	
Fitted	Buck Step Down Regul	U3	TPS62162DSGR	1	Texas Instruments	DSG0008A	
Fitted	5-V RS-485 Transceive	U4, U7	THVD1550DGKR	2	Texas Instruments	DGK0008A	
Fitted	2-Bit Dual Supply Tran	U5, U6, U8	SN74LVC2T45YZPR	3	Texas Instruments	YZP0008ADAD	
Not Fitt	CAP, CERM, 1000 pF, 2	C1	1812GC102KAT1A	0	AVX	1812	1000pF
Not Fitt	CAP, CERM, 1 µF, 10 V,	C10, C17	GRM155R61A105KE15	0	MuRata	0402	1uF
Not Fitt	CAP, CERM, 220 pF, 50	C12, C15, C19,	06035A221FAT2A	0	AVX	0603	220pF
Not Fitt	CAP, CERM, 470 pF, 50	C16, C25	885012206081	0	Wurth Elektronik	0603	470pF
Not Fitt	Diode, TVS, Bi, 7 V, SO	D1, D2	CDSOT23-SM712	0	Bourns	SOT-23	7V
Not Fitt	Jack, SMA, PCB, Gold, S	J7, J8	CONSMA001-SMD-G	0	Linx Technologies	SMA Jack	
Not Fitt	RES, 2.2 M, 5%, 0.25 W	R1	CRCW12062M20JNEA	0	Vishay-Dale	1206	2.2Meg

Not Fitt	RES, 22, 5%, 0.063 W, 0	R7	CRCW040222R0JNED	0	Vishay-Dale	0402	22
Not Fitt	RES, 0, 5%, 0.063 W, 04	R16, R33, R47	CRCW04020000Z0ED	0	Vishay-Dale	0402	0
Not Fitt	RES, 10 k, 5%, 0.063 W,	R21	CRCW040210K0JNED	0	Vishay-Dale	0402	10k
Not Fitt	RES, 10 k, 5%, 0.1 W, 0(	R22, R32, R38,	CRCW060310K0JNEA	0	Vishay-Dale	0603	10k
Not Fitt	Test Point, Miniature, B	TP1, TP2, TP3	5001	0	Keystone	Black Miniature Testpo	

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