

Bill of Materials

TI DESIGNS

TIDA-01365 24V Bidirectional rs-485 Fan-Out Hub

Item	Quantity	Reference	Value	Part Number	Manufacturer	PCB Footprint	Notes
1	8	C1,C3,C5,C7,C10,C12,C13,C17	0.1uF	Kemet	C0805C104J5RACTU	0603	
2	6	C2,C4,C6,C11,C16,C23	DNI	-	DNI	0603	
3	12	R2, R4, R5, R9, R11, R14, R16, R18, R20, R23, R24, R28	DNI	-	DNI	0603	
4	2	C8,C14	0.47uF	Murata Electronics	GCM188R71C474KA55D	0603	
5	3	C9,C15,C21	10nF	AVX	MM031C103KCZ2A	0603	
6	1	C18	10uF	Murata Electronics	GRM188R6YA106MA73D	0603	
7	2	C19,C20	100nF	AVX	MM035C104KCZ2A	0603	
8	1	C22	47uF	Murata Electronics	GRM188C80E476ME05D	0603	
9	1	C24	120pF	Kemet	C0603C121F5GACTU	0603	
10	1	C25	12nF	Kemet	C0603C123J3GACTU	0603	
11	1	D1	Red	150080RS75000	Wurth Electronics	0805	
12	1	D2	GREEN	LG R971-KN-1	OSRAM	0805	
13	1	D3	BLUE	150080BS75000	Wurth Electronics	0805	
14	1	L1	15uF	BRL3225T150K	Taiyo Yuden	1210	
15	5	R1,R6,R8,R17,R25	10k	Vishay Dale	CRCW080510K0FKEA-	0603	
16	12	R2,R4,R5,R9,R11,R14,R16,R18,R20,R23,R24,R28	DNI	-	DNI	R0603	
17	5	R3,R7,R13,R19,R26	120	Vishay Dale	CRCW2512120RFKEG	0603	
18	1	R10	550	Panasonic	ERJ-3EKF5490V	0603	
19	2	R12,R21	12k	ROHM Semiconductor	ESR03EZPF1202	0603	
20	2	R15,R22	6.19k	Vishay Dale	TNPW06036K19BEEA	0603	
21	1	R27	499	Vishay Dale	CRCW0603499RFKEA	0603	
22	1	R29	100k	ROHM Semiconductor	ESR03EZPF1003	0603	
23	1	R30	1k	Vishay Dale	CRCW06031K00FKEA	0603	
24	1	R31	3.74k	Vishay Dale	CRCW06033K74FKEA	0603	
25	1	R32	19.1k	Vishay Dale	CRCW060319K1FKEA	0603	
26	5	U1,U2,U3,U5,U7	SN65HVD3082	SN65HVD3082	Texas Instruments	SOIC	
27	2	U4,U6	NA555	NA555	Texas Instruments	SOIC	
28	1	U8	SN74LV08A	SN74LV08A	Texas Instruments	VQFN_14_PIN	
29	1	U9	TPS54336A	TPS54336A	Texas Instruments	VSON	

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