

DS90UR908Q-EVK (TIDA-00135) BOM

Item	Quantity	Reference	Part	Comments	Digi-Key P/N	Part Number	Critical
1	2	C3,C4	0.1uF	CAP CERAMIC .1UF25V X5R 0402	445-4964-1-ND	C1005X5R1E104K	0.1uF, X7R, 50V
2	1	C5	4.7uF	CAP .1UF 16V CERAMIC Y5V 0402.	PCC1731CT-ND	ECJ-0EF1C104Z	
3	9	C6,C18,C20,C22,C25,C26,C27,C28,C29	0.01uF	CAP CERAMIC .01UF 100V X7R 0603	399-3189-1-ND	C0603C103K1RACTU	
4	10	C7,C17,C19,C21,C23,C24,C30,C31,C32,C35	0.1uF	CAP .1UF 20% 25V CERAMIC X7R 0603	PCC2277CT-ND	ECJ-1VB1E104K	
5	2	C10,C13	22uF	CAP TANTALUM 22UF 25V 20% SMD	493-2391-1-ND	F931E226MNC	
6	2	C11,C14	2.2uF	CAPACITOR TANT 2.2UF 20V 10% SMD	399-3714-1-ND	T491B225K020AT	
7	2	C12,C15	0.1uF	CAP .10UF 50V CERAMIC X7R 1206	399-1249-1-ND	C1206C104K5RACTU	
8	3	C16,C33,C34	22uF	CAPACITOR TANT 22UF 16V 20% SMD	399-3835-1-ND	T494B226M016AT	
9	2	JP1,JP23	2-Pin Header	CONN HEADER VERT .100 2POS 30AU	A26542-ND	87220-2	
10	24	JP2,JP3,JP4,JP5,JP6,JP7,JP8,JP9,JP10,JP12,JP13,JP14,JP15,JP16,JP17,JP18,JP19,JP20,JP21,JP22,JP24	3-Pin Header	CONN HEADER VERT .100 3POS 15AU	A26545-ND	87224-3	
11	1	J2	mini USB 5pin	CONN RECEPT MINI USB2.0 5POS.	H2959CT-ND	UX60-MB-5ST	
12	1	J3	IDC1X4	CONN HEADER 4POS .100 VERT GOLD	WM2702-ND	22-11-2042	
13	2	J4,J5	BANANA	BANANA-female (non-insulated)	J147-ND	108-0740-001	
14	1	J8	2X10-Pin Header	CONN HEADER 20 POS STRGHT GOLD.	MHC20K-ND	N2520-6002RB	
15	2	J9,J10	SMA	End Launch Jack Receptacle - Tab Contact.	J658-ND	142-0701-851	
16	1	LED1	0402_orange_LED	LED ORN/CLEAR 610NM 0402 SMD	67-1879-1-ND	SML-LX0402SOC-TR	
17	1	LED2	0603_green_LED	LED GREEN CLEAR THIN 0603 SMD	160-1446-1-ND	LTST-C191KGKT	
18	2	R1,R2	0 Ohm,0402	RES ZERO OHM 1/16W 5% 0402 SMD.	P0.0JTR-ND	ERJ-2GEJ0R00X	
19	9	R6,R20,R21,R22,R23,R26,R27,R28,R29	0 Ohm,0402	RES ZERO OHM 1/16W 5% 0402 SMD	P0.0JTR-ND	ERJ-2GEJ0R00X	
20	1	R7	10K	RES 10.0K OHM 1/10W 1% 0402 SMD	P10.0KHCT-ND	ERJ-3EKF1002V	
21	2	R10,R11	82.5ohm	RES 82.5 OHM 1/10W 1% 0603 SMD	P82.5HCT-ND	ERJ-3EKF82R5V	
22	5	R13,R14,R15,R16,R17	100	RES 100 OHM 0201 SMD. 1/20W .5%	RR03P100DCT-ND	RR0306P-101-D	
23	2	R31,R32	4.7K	RES 4.7K OHM 1/10W 5% 0603 SMD	P4.7KGCT-ND	ERJ-3GEYJ472V	
24	1	U1	DS90UR908	IC DESERIALIZER	DS90UR908QSQE	DS90UR908	
25	1	VR3	SVR100K	11-Turn Trimming Potentiometer; Top Adjust	3224W-1-104ECT-ND	3224W-1-104E	
16	1	LED1	0402_orange_LED	LED ORN/CLEAR 610NM 0402 SMD	67-1879-1-ND	SML-LX0402SOC-TR	
17	1	LED2	0603_green_LED	LED GREEN CLEAR THIN 0603 SMD	160-1446-1-ND	LTST-C191KGKT	
18	2	R1,R2	0 Ohm,0402	RES ZERO OHM 1/16W 5% 0402 SMD.	P0.0JTR-ND	ERJ-2GEJ0R00X	
19	9	R6,R20,R21,R22,R23,R26,R27,R28,R29	0 Ohm,0402	RES ZERO OHM 1/16W 5% 0402 SMD	P0.0JTR-ND	ERJ-2GEJ0R00X	
20	1	R7	10K	RES 10.0K OHM 1/10W 1% 0402 SMD	P10.0KHCT-ND	ERJ-3EKF1002V	
21	2	R10,R11	82.5ohm	RES 82.5 OHM 1/10W 1% 0603 SMD	P82.5HCT-ND	ERJ-3EKF82R5V	
22	5	R13,R14,R15,R16,R17	100	RES 100 OHM 0201 SMD. 1/20W .5%	RR03P100DCT-ND	RR0306P-101-D	
23	2	R31,R32	4.7K	RES 4.7K OHM 1/10W 5% 0603 SMD	P4.7KGCT-ND	ERJ-3GEYJ472V	
24	1	U1	DS90UR908	IC DESERIALIZER	DS90UR908QSQE	DS90UR908	
25	1	VR3	SVR100K	11-Turn Trimming Potentiometer; Top Adjust	3224W-1-104ECT-ND	3224W-1-104E	

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