

DP149RSBEVM INT023

Item	Quantity	Reference	Part	PCB Footprint	Manufacturer	Part Number	Pkg	Click to Order	Description
1	2	C1,C52	1 uF	603	Taiyo Yuden	LMK107B7105KA-T	603	587-1242-1-ND	CAP CER 1UF 10V 10% X7R 0603
2	12	C9,C10,C17,C18,C19,C21,C23,C29,C40,C46,C59,C60	0.1uF	402	Yageo	CC0402KXSR6B8104	402	311-1336-1-ND	CAP CER 0.1UF 10V 10% X5R 0402
3	5	C8,C20,C35,C36,C57	10uF	805	TDK	C2012X5R1A106K125AB	805	445-7660-1-ND	CAP CER 10UF 10V 10% X5R 0805
4	8	C11,C12,C13,C14,C15,C16,C24,C25	0.1uF	201	TDK	CO603X5R0104M030BC	201	445-4711-1-ND	CAP CER .10UF 6.3V X5R 0201
5	5	C22,C37,C41,C42,C47	0.01uF	402	Murata	GRM155R71H103KA88D	402	490-4516-1-ND	CAP CER 10000PF 50V 10% X7R 0402
6	0	C26 - DNI	DNI - 200nF	402	Taiyo Yuden	LMK105BJ224KV-F	402	587-1228-2-ND	CAP CER 0.22UF 10V 10% X5R 0402
7	1	C27	18pF	402	AVX	04025A180JAT2A	402	478-1073-1-ND	CAP CERM 18PF 5% 50V NPO 0402
8	1	C28	220pF	402	Taiyo Yuden	UMK105B7221KV-F	402	587-1218-1-ND	CAP CER 220PF 50V 10% X7R 0402
9	1	C30	220uF	7343	Kemet	T491D227K016AT	7343	399-10429-1-ND	CAP TANT 220UF 16V 10% 2917
10	1	C34	3.3 nF	402	Samsung	CL05B332KB5NNNC	402	1276-1552-1-ND	CAP CER 3300PF 50V 10% X7R 0402
11	1	C32	22uF	805	Murata	GRM218R60J226ME39L	805	490-1719-2-ND	CAP CER 22UF 6.3V 20% X5R 0805
12	2	C39,C58	2.2uF	805	Taiyo Yuden	EMK212BJ225KG-T	805	587-1293-2-ND	CAP CER 2.2UF 16V 10% X5R 0805
13	0	C38 - DNI	1 nF - DNI	402	Murata	GRM155R71H102KA01D	402	490-1303-2-ND	CAP CER 1000PF 50V X7R 0402
14	2	C45,C49	22pF	402	Murata	GRM1555C1H220JA01D	402	490-5868-1-ND	CAP CER 22PF 50V 5% NPO 0402
15	2	C50,C51	33pF	402	Murata	GRM1555C1H330JA01D	402	490-5936-2-ND	CAP CER 33PF 50V 5% NPO 0402
16	1	D1	Zener 6V	SOT23	Diodes Inc.	MMBZ5233B-FDICT-ND	SOT23	MMBZ5233B-FDICT-ND	DIODE ZENER 6V 350MW SOT23-3
17	1	D2	LED Green 0805	805	Lite On	LTST-C171GKT	805	160-1423-1-ND	LED GREEN CLEAR THIN 0805 SMD
18	1	JP1	JUMPER	HDR_THVT_1x2_100	3M	961102-6404-AR	HDR2X1	3M9447-ND	CONN HEADER VERT SGL 2POS GOLD
19	9	J1,J3,J4,J6,J7,J8,J10,J12,J15	HDR3X1 M. 1	HDR_THVT_1x3_100	3M	961103-6404-AR	HDR3X1	3M9448-ND	CONN HEADER VERT SGL 3POS GOLD
20	1	J2	Display_Port_Connector_Sink_0	DISPLAYPORT	Molex	WM192711CT-ND	DISPLAYPORT	WM192711R-ND	CONN RCPT 20POS UDI R/A SMD
21	1	J5	Header 5x2 0.1" thru-hole	con_thvt_shrd_2x5_100_m	3M	N2510-6002-RB	hvt_shrd_2x5_100	MHCI0K-ND	CONN HEADER 10 POS STRGHT GOLD
22	1	J9	2.1mm x 5.5mm	CP-202AH-ND	CUI Inc.	CP-202AH-ND	2.1mm x 5.5mm	CP-202AH-ND	CONN PWR JACK 2.1X5.5MM HIGH CUR
23	1	J13	USB Micro B	USB Micro B	FCI	10103592-00011F	USB MICRO	609-4048-2-ND	CONN RCPT REV MICRO USB B R/A
24	12	LP5,LP6,LP7,LP8,LP9,LP10,LP11,LP12,LP13,LP15,LP16,LP17	TESTLOOP	TESTLOOP	Keystone Electronics	5006	THRU	36-5006-ND	TEST POINT PC COMPACT .063"Ø BLK
25	1	L1	2.2 uH	1008	TDK	VL5252010ET-2R2M	1008	445-6629-1-ND	INDUCTOR POWER 2.2UH 1.3A SMD
26	1	L2	1 uH	1008	TDK	NLCV25T-1R0M-EFR	1008	445-17086-1-ND	INDUCTOR POWER 1.0UH 1008
27	4	L3, L4, L5, L6	CHOKE	805	Murata	DLW215SN900HQ2L	805	490-5134-1-ND	CHOKE COIL COMMON MOTE 280MA SMD
28	0	HP1 - DNI	HDMI_IN - DNI	CON_HDMI_RT_19_0p50mm	Molex	WM19086CT-ND	HDMI_RT_19_0p	WM19086CT-ND	CONN RCPT 19POS HDMI RT ANG SMD
29	1	P2	HDMI_OUT	CON_HDMI_RT_19_0p50mm	Molex	WM19086CT-ND	HDMI_RT_19_0p	WM19086CT-ND	CONN RCPT 19POS HDMI RT ANG SMD
30	2	Q1,Q2	FDV301N_NFET_8V	SOT23	Fairchild Semiconductor	FDV301N	SOT23	FDV301NCT-ND	MOSFET N-CH 25V 220MA SOT-23
31	8	R1,R2,R3,R4,R6,R7,R8,R9	50	201	Panasonic	ERJ-1GEF49R9C	201	P49.9ABTR-ND	RES SMD 49.9 OHM 1% 1/20W 0201
32	1	R5	100	402	Yageo	RC0402FR-07100RL	402	311-100LRCT-ND	RES SMD 100 OHM 5% 1/16W 0402
33	6	R10,R11,R99,R100,R101,R121	1K	402	Yageo	RC0402JR-071KL	402	311-1.0KJRCT-ND	RES SMD 1K OHM 5% 1/16W 0402
34	3	R12,R27,R81	100K	402	Yageo	RC0402JR-07100KL	402	311-100KJRCT-ND	RES SMD 100K OHM 5% 1/16W 0402
35	1	R13	10	402	Yageo	RC0402JR-0710RL	402	311-10RJRCT-ND	RES SMD 10 OHM 5% 1/16W 0402
36	12	R31,R32,R33,R105,R106,R107,R108,R109,R110,R111,R112,R124	0	201	Panasonic	ERJ-1GNR00C	201	P15979CT-ND	RES SMD 0.0 OHM JUMPER 1/20W
37	6	R28,R29,R45,R46,R58,R59	2K	402	Yageo	RC0402JR-072KL	402	311-2.0KJRCT-ND	RES SMD 2K OHM 5% 1/16W 0402
38	7	R77,R80,R83,R84,R89,R122,R131	0	402	Panasonic	ERJ-2GE0R00X	402	P0.0JTR-ND	RES SMD 0.0 OHM JUMPER 1/10W
39	1	R30	1M	402	Yageo	RC0402JR-071ML	402	311-1.0MJRCT-ND	RES SMD 1M OHM 5% 1/16W 0402
40	10	R57,R60,R63,R64,R65,R66,R67,R68,R69,R70	65K	402	Yageo	RC0402FR-0764K9L	402	311-64.9KJRCT-ND	RES SMD 64.9K OHM 1% 1/16W 0402
41	1	R75	6.49K	402	Panasonic	ERJ-2RK6491X	402	P6.49KJRCT-ND	RES SMD 6.49K OHM 1% 1/10W 0402
42	1	R76	PTV09A 10K POT	THRUHOLE	Bourns	PTV09A-4015F-B103	THRUHOLE	PTV09A-4015F-B103-ND	POT 10K OHM 9MM SQ. 05W CARB
43	3	R78,R98,R102	10K	402	Yageo	RC0402JR-0710KL	402	311-10KJRCT-ND	RES SMD 10K OHM 5% 1/16W 0402
44	2	R79,R88	4.7K	402	Yageo	RC0402JR-074K7L	402	311-4.7KJRCT-ND	RES SMD 4.7K OHM 5% 1/16W 0402
45	1	R82	499	402	Vishay Dale	CRCW0402499RDHEDP	402	541-499AVTR-ND	RES SMD 499 OHM 0.5% 1/16W 0402
46	1	R85	750K	402	Vishay Dale	CRCW0402750KJNED	402	541-750KJTR-ND	RES SMD 750K OHM 5% 1/16W 0402
47	1	R86	240K	402	Vishay Dale	CRCW0402240KJNED	402	541-240KJTR-ND	RES SMD 240K OHM 5% 1/16W 0402
48	1	R90	1.87K	402	Stackpole	RMCF0402FT1K87R	402	RMCF0402FT1K87R-ND	RES SMD 1.87K OHM 1% 1/16W 0402
49	1	R91	4.99K	402	Yageo	RC0402FR-074K99L	402	311-4.99KJRCT-ND	RES SMD 4.99K OHM 1% 1/16W 0402
50	1	R94	1.5K	402	Yageo	RC0402JR-071K5L	402	311-1.5KJRCT-ND	RES SMD 1.5K OHM 5% 1/16W 0402
51	2	R95,R96	33	201	Yageo	RC0201JR-0733RL	201	311-33NTR-ND	RES SMD 33 OHM 5% 1/20W 0201
52	1	R103	15K	402	Yageo	RC0402JR-0715KL	402	311-15KJRCT-ND	RES SMD 15K OHM 5% 1/16W 0402
53	1	R115	47K	402	Rohm	MCR01MRTJ473	402	RHM47KJCT-ND	RES SMD 47K OHM 5% 1/16W 0402
54	0	R16,R17 - DNI	2K - DNI	402	Yageo	RC0402JR-072KL	402	311-2.0KJRCT-ND	RES SMD 2K OHM 5% 1/16W 0402
55	0	R87 - DNI	10K - DNI	402	Yageo	RC0402JR-0710KL	402	311-10KJRCT-ND	RES SMD 10K OHM 5% 1/16W 0402
56	0	R92 - DNI	90.9K - DNI	402	Yageo	RC0402FR-0790K9L	402	311-90.9KJRCT-ND	RES SMD 90.9K OHM 1% 1/16W 0402
57	0	R93 - DNI	100K - DNI	402	Yageo	RC0402FR-07100KL	402	311-100KJRCT-ND	RES SMD 100K OHM 1% 1/16W 0402
58	0	R130 - DNI	1K - DNI	402	Yageo	RC0402JR-071KL	402	311-1.0KJRCT-ND	RES SMD 1K OHM 5% 1/16W 0402
59	0	R14,R15,R18,R19,R20,R21,R22,R23,R24,R25,R34,R123,R126,R136,R134,R135,139,R140,R141	0 - DNI	201	Panasonic	ERJ-1GNR00C	201	P15979CT-ND	RES SMD 0.0 OHM JUMPER 1/20W
60	0	R104,R120,R125,R129 - DNI	0 - DNI	402	Panasonic	ERJ-2GE0R00X	402	P0.0JTR-ND	RES SMD 0.0 OHM JUMPER 1/10W
61	1	SW1	PB_SWITC	SW_MOM_2NO	OMRON	B3SN-3012P	SW_MOM_2NO	SW261CT-ND	SWITCH TACTILE SPST-NO 0.05A 24V
62	1	SW2	3POS_SPDT	THRUHOLE_3POS	NKK Switches	MS13ANW03	THRUHOLE_3POS	360-2386-ND	SW SLIDE SPDT 6A SILVER STR 125V
63	1	U10	DP149RSB	40_RS8	TI	SN75DP149RSB	40_RS8		IC
64	1	U3	TPS3808G30DBVT	6DBV	TI	TPS3808G30DBVT	6DBV	296-26944-1-ND	IC VOLT SUPERVISOR 3.0V SOT23-6
65	1	U4	TPS62150ARGTT	RGT16	TI	TPS62150ARGTT	RGT16	296-36472-1-ND	IC REG BUCK SYNC ADJ 1A 16QFN
66	1	U6	TPS61240DRVT	6DRV	TI	TPS61240DRVT	6DRV	296-24519-1-ND	IC REG BOOST SYNC 5V 0.45A 6SON
67	1	U5	TPS74201RGWT	RGW20	TI	TPS74201RGWT	RGW20	296-19891-1-ND	IC REG LDO ADJ 1.5A 20VQFN
68	1	U7	TUSB3410VF	LQFP32	TI	TUSB3410VF	LQFP-32	296-12699-ND	IC CONV SERIAL-TO-USB 32-LQFP
69	1	U8	CAT24C256WI-GT3	8SOIC	ON Semiconductor	CAT24C256WI-GT3	8SOIC	CAT24C256WI-GT30SCT-ND	IC EEPROM 256KBIT 400KHZ 8SOIC
70	1	C31	10uF	805	TDK	C2012X5R1C106K085AC	805	445-7644-1-ND	CAP CER 10UF 16V 10% X5R 0805
71	1	U16	TPD2E001DLRL	drl_5pin	TI	TPD2E001DLRL	drl_5pin	296-21883-2-ND	TVS DIODE 5.5VWM 100VCT S0T5
72	1	Y1	12 MHz Crystal	ECX-32	ECS Inc.	ECS-120-20-33-TR	4-SMD	XC1808CT-ND	CRYSTAL 12MHZ 20PF SMD

73	4	EVM Assembly	0.75" Standoff	4-40 - F/F	Keystone Electronics	2029	OD 0.187"	36-2029-ND	ROUND STANDOFF 4-40 ALUM 3/4"
74	4	EVM Assembly	0.25" Stainless Steel Screws	4-40 Phillips Panhead	Building Fasteners	PMSSS 440 0025 PH	OD 0.187"	H703-ND	MACHINE SCREW PAN PHILLIPS 4-40
75	4	Shunts	Shunt	SHUNT	3M	969102-0000-DA	SHUNT	3M9580-ND	SHUNT JUMPER .1" BLACK GOLD
76	1	PCB	DP149RS8EVM						

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