

Revised: Tuesday, June 13, 2017
Revision: A
DLPDLCR2000EVM

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Item	Quantity	Reference	Part Number	MFG	Part Specific	RoHS	REACH
0	1	N/A	DLPDLCR2000EVM	N/A	PCB	OK	OK
1	2	C1,C23	C1005XSR0475M	TDK	CAP CER 4.7UF 6.3V 20% XSR 0402	OK	OK
2	10	C2,C24,C26,C28,C29,C30,C31,C34,C35,C121	C1608XR01106M080AB	TDK	CAP CERAMIC 10UF 6.3V XSR 0603	OK	OK
3	8	C3,C4,C5,C6,C10,C15,C16,C17	C0603X6S1C104K030BC	TDK	CAP CER 1UF 16V X6S 0201	OK	OK
4	1	C7	GRM033R61A105ME15D	Murata	CAP CER 1.0UF 10V XSR 0201	OK	OK
5	6	C8,C9,C11,C12,C18,C19,C20,C21,C32,C43	EMK325AB107MM-T	Taiyo Yuden	CAP CER 100UF 16V 20% XSR 1210	OK	OK
6	20	C13,C100,C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C112,C113,C115,C116,C117,C118,C119,C120	C0603X6S1C104K030BC	TDK	CAP CER 1UF 16V X7R 0201	OK	OK
7	2	C14,C114	C0603XSR0105M030BC	TDK	CAP CER 1.0UF 6.3V XSR 0201	OK	OK
8	12	C25,C27,C33,C41,C123,C126,C129,C130,C131,C132,C133,C134	C1005X7R1C104K050BC	TDK	CAP CER 1UF 16V X7R 0402	OK	OK
9	2	C36,C44	C1005XSR1V105M050BC	TDK	CAP CER 1.0UF 10V XSR 0402	OK	OK
10	1	C37	GRM155R71C103KA01D	Murata	CAP CER 10000PF 16V X7R 10% 0402	OK	OK
11	1	C38	C1005XSR0J225M	TDK	CAP CER 2.2UF 6.3V XSR 0402	OK	OK
12	1	C39	C1005XSR1V105K050BC	TDK	CAP CER 1.0UF 16V XSR 0402	OK	OK
13	1	C40	GRM188F5E1052A12D	Murata	CAP CER 1.0UF 25V Y5V 0603	OK	OK
14	1	C42	EMK105B1224KV-F	Taiyo Yuden	CAP CER .22UF 16V XSR 0402	OK	OK
15	2	C111,C122	GRM1555C1H180JA01D	Murata	CAP CER 18PF 50V COG 5% 0402	OK	OK
16	3	C124,C125,C127	TMK105B1104KV-F	Taiyo Yuden	CAP CER .10UF 25V XSR 0402	OK	OK
17	1	C128	C0603Z24K3RAC7867	KEMET	CAP CER 0.22UF 25V 10% X7R 0603	OK	OK
18	1	D1	PMEG4002EL_315	NXP Semiconductors	SCHOTTKY RECT 40V 0.2A SOD882	OK	OK
19	2	D2,D3	SML-LX1206GC-TR	Lumex	LED 565NM WTR CLR GREEN 1206 SMD	OK	OK
20	2	F100,F101	BLM15PD800SN1D	Murata	FERRITE CHIP 80 OHM 1500MA 0402	OK	OK
21	1	JLEDFLEX	MT46H32M16LFBF-5 IT-C	Molex	LED FLEX CONNECTOR	OK	OK
22	1	J1	50028-05081-001	ACES Electronics	DMD_Connector	OK	OK
23	1	J2	PI-002A	CUI Inc.	CONN POWERJACK 2.1mm	OK	OK
24	3	J3,J4,J5	TSW-102-07-G-S	Samtec	CONN HEADER 2POS .100in. SGL GOLD	OK	OK
25	2	L1,L2	LQM2HPN2R2MG0L	Murata	INDUCTOR 2.2UH 20% 1300MA 1008	OK	OK
26	1	L3	LFS3015-222M	Coilcraft	Compact, low profile shielded power inductor	OK	OK
27	1	L4	CDL2012T100M	Taiyo Yuden	INDUCTOR 10UH 20% 0805 SMD	OK	OK
28	2	P1,P2	SSHQ-123-D-08-67-LF	Major League Electronics	46-Pin Male-female Headers	OK	OK
29	1	R11	NCP15W104F03RC	Murata	THERMISTOR 100K OHM NTC 0402 SMD	OK	OK
30	1	R1	ERJ-2RKF1203X	Panasonic	RES SMD 120K OHM 1% 1/10W 0402	OK	OK
31	1	R2	RC0402FR-0782KL	Yageo	RES 82K OHM 1/16W 1% 0402 SMD	OK	OK
32	66	R3,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20,R21,R22,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R3	ERJ-1GEI300C	Panasonic	RES 30 OHM 1/20W 5% 0201 SMD	OK	OK
33	3	R23,R71,R97	ERJ-2RKF1002X	Panasonic	RES 10K OHM 1% 1/10W 0402 SMD	OK	OK
34	0	R58	ERJ-1GEF1002C	Panasonic	RES 10K OHM 1/20W 1% 0201 SMD	OK	OK
35	1	R67	ERJ-1GEF1000C	Panasonic	RES 100 OHM 1/20W 1% 0201 SMD	OK	OK
36	9	R68,R69,R90,R91,R96,R103,R105,R106,R107,R113,R114,R115,R117,R120,R128	ERJ-2GEOR00X	Panasonic	RES 0.0 OHM 1/16W 0402 SMD	OK	OK
37	10	R70,R74,R93,R104,R108,R109,R110,R111,R112,R116	CRCW0402100KFED	Vishay/Dale	RES 100K OHM 1/10W 1% 0402 SMD	OK	OK
38	5	R72,R75,R76,R77,R78	ERJ-2RKF30R1X	Panasonic	RES 30.1 OHM 1/16W 1% 0402 SMD	OK	OK
39	1	R83	RC0402FR-07180KL	Yageo	RES 180K OHM 1/16W 1% 0402 SMD	OK	OK
40	1	R84	RC0402FR-07360KL	Yageo	RES 360K OHM 1/16W 1% 0402 SMD	OK	OK
41	3	R85,R86,R87	ERJ-2RKF1001X	Panasonic	RES 1k OHM 1% 1/10W 0402 SMD	OK	OK
42	1	R89	ERJ-2RKF3002X	Panasonic	RES 30.0K OHM 1/10W 1% 0402 SMD	OK	OK
43	1	R92	RL0816S-R10-F	Susumu	RES HP .10 OHM 1/5W 1% 0603 SMD	OK	OK
44	1	R94	ERJ-2RKF8873X	Panasonic	RES 887K OHM 1/16W 1% 0402 SMD	OK	OK
45	2	R95,R101	ERJ-2RKF9533X	Panasonic	RES 953K OHM 1/10W 1% 0402 SMD	OK	OK
46	3	R102,R126,R129	ERJ-2RKF1000X	Panasonic	RES 100 OHM 1/10W 1% 0402 SMD	OK	OK
47	2	R118,R119	RC0402JR-075K6L	Yageo	RES 5.6K OHM 5% 1/16W 0402 SMD	OK	OK
48	4	R121,R122,R123,R125	ERJ-2RKF4751X	Panasonic	RES 4.75K OHM 1% 1/10W 0402 SMD	OK	OK
49	1	R124	ERJ-6GEY1201V	Panasonic	RES 200 OHM 1/8W 5% 0805 SMD	OK	OK
50	36	TPGND1,TP1,TPGND2,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21, --	NOT A PART --	-- NOT A PART --	NOT A PART - Test Point	OK	OK
51	2	U1,U2	TPS522600DCT	Texas Instruments	IC REG BUCK SYNC ADJ TSOT23-5	OK	OK
52	1	U3	W25C16DWSSIG	Winbond	Flash Memory	OK	OK
53	1	U4	CAT24C256WI-GT3	ON Semiconductor	Onboard EEPROM	OK	OK
54	1	U5	DLP5100OPT	Texas Instruments	DLP A1000 PMIC LED DRIVER	OK	OK
55	1	U6	SN74LVC1G125DCK	Texas Instruments	BUFFER	OK	OK
56	1	U7	TPS71501DCK	Texas Instruments	REGULATOR	OK	OK
57	1	U8	SN74ALP1G06DCK	Texas Instruments	INVERTER BUFFER	OK	OK
58	1	U9	TLV809I50DBZT	Texas Instruments	VOLTAGE SUPERVISOR	OK	OK
59	1	U10	SN74LVC1G3208DCKR	Texas Instruments	OR-AND LOGIC-IC	OK	OK
60	1	U11	TPS229D0BVT	Texas Instruments	IC LOAD SWITCH SOT23-6	OK	OK
61	1	U12	DLP2607ZVB	Texas Instruments	DLP2607 CONTROLLER	OK	OK
62	1	U13	MT46H32M16LFBF-5 IT-C	Micron Technology Inc.	IC SDRAM 512MBIT 200MHZ 60BGA	OK	OK
63	1	XD100	7M-16.666670MAAE-T	TXC CORPORATION	16.6667 MHZ CRYSTAL	OK	OK

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ITEM NO.	PART NUMBER	DESCRIPTION	SOURCE	QTY.	COST EACH	TOTAL COST
1	P2NHD ENGINE MOUNT	ENGINE MOUNT	Krypton	1		
					\$	1.21 \$ 1.21
2	HEATSI NK	HEATSINK ASSEMBLY	Krypton	1		
					\$	1.98 \$ 1.98
3	507701	M1.6-0.35 x 12 mm Machine Screws / Phillips / Pan Head / 18-8 Stainless Steel	Fastener Superstore	1	\$	0.03 \$ 0.03
4	502355	M2.5-0.45 x 5 mm Machine Screws / Phillips / Pan Head / Steel / Black Oxide	Fastener Superstore	5	\$	0.01 \$ 0.04
5	801702	4.5 mm OD Hex Standoffs (Female-Female) / M2.5-0.45 x 5 mm	Fastener Superstore	1	\$	0.11 \$ 0.11
6	801744	4.5 mm OD Hex Standoffs (Female-Female) / M2.5-0.45 x 12 mm	Fastener Superstore	4	\$	0.13 \$ 0.52
7	801121	4.5 mm OD Hex Standoffs (Male-Female) / M2.5-0.45 x 5 mm	Fastener Superstore	7	\$	0.14 \$ 0.98
8	507644	M1.6-0.35 x 3 mm Machine Screws / Phillips / Pan Head / 18-8 Stainless Steel	Fastener Superstore	1	\$	0.12 \$ 0.12
9	H48-6G-1	Thermal Pad (-40mm x 40mm per EVM)	t-Global Technology	1	\$	1.35 \$ 1.35
10	507699	M1.6-0.35 x 10 mm Machine Screws / Phillips / Pan Head / 18-8 Stainless Steel / DIN7985A	Fastener Superstore	2	\$	0.02 \$ 0.04
11	FW0045A	WASHER FLAT M2 NYLON	Essentra Components	1	\$	0.03 \$ 0.03
				TOTAL		\$ 6.40

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