

Item	Quantity	Reference	Part	Instal	MFG	Notes
1	3	C1,C3	C105KSR01475M	Y	TDK	CAP CER 4.7UF 6.3V 20% XSR 0402
2	10	C2,C4,C6,C8,C9,C10,C11,C14,C15,C121	C106KSR01106M0804B	Y	TDK	CAP CERAMIC 10UF 6.3V XSR 0603
3	4	C3,C4,C5,C6,C10,C11,C16,C17	C0603G61C104020BC	Y	TDK	CAP CER 1.1UF 16V X6S 0201
4	1	C7	GRM32E61J105M150	Y	Murata	CAP CER 1.0UF 25V X5R 0201
5	6	C8,C9,C11,C19,C32,C43	EMK3254B107MM-T	Y	Taiyo Yuden	CAP CER 100UF 16V 20% X5R 1210
6	4	C12,C16,C20,C21	EMK3254B107MM-T	DN1	Taiyo Yuden	CAP CER 100UF 16V 20% X5R 1210
7	20	C13,C100,C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C115,C116,C117,C118,C119,C120	C0603G61C104020BC	Y	TDK	CAP CER 1.1UF 16V X6S 0201
8	2	C14,C114	C0603K801105M020BC	Y	TDK	CAP CER 1.0UF 6.3V X5R 0201
9	12	C25,C27,C33,C41,C23,C126,C129,C130,C131,C132,C134	C1005KSR1V105M050BC	Y	TDK	CAP CER 1.1UF 16V X5R 0402
10	2	C36,C44	C1005KSR1V105M050BC	Y	TDK	CAP CER 1.0UF 10V X5R 0402
11	1	C37	GRM155R71C105M020	Y	Murata	CAP CER 30000PF 50V 75R 10% 0402
12	1	C38	C1005KSR01255M	Y	TDK	CAP CER 2.2UF 6.3V X5R 0402
13	1	C39	C1005KSR1V105M050BC	Y	TDK	CAP CER 1.0UF 16V X5R 0402
14	1	C40	GRM188F1E105M120	Y	Murata	CAP CER 1.0UF 25V 75R 0603
15	1	C42	EMK105B1224KV-F	Y	Taiyo Yuden	CAP CER 22UF 16V X5R 0402
16	2	C111,C122	GRM155S1C105M020	Y	Murata	CAP CER 180V 50V COS 5% 0402
17	3	C124,C125,C127	TMK105B1104KV-F	Y	Taiyo Yuden	CAP CER 10UF 25V X5R 0402
18	1	C128	C0603Z2463KAC7867	Y	HEMET	CAP CER 22UF 25V 10% 57R 0603
19	1	D1	PM1640ZL115	Y	NXP Semiconductors	SCHOTTKY RECT 40V 0.2A 500BZ
20	2	D2,D3	SML141206GC-TR	Y	Lumileds	LED 5650NM WTR CLR GREEN 1206 15MD
21	4	F100,F101	BLM15P000B01D0	Y	Murata	FERRITE CHIP 30 OHM 1000KHz 0402
22	1	J1,LED1,EX	MT46H32M16LFBF-5-IT-C	Y	Molex	LED FLEX CONNECTOR
23	1	J1	50028-02081-001	Y	ACES Electronics	DMD Connector
24	1	J2	PI-02A	Y	Interline	CONN POWERBACK 1mm
25	3	J3,J4,J5	TSW-102-07-G-5	Y	Santac	CONN HEADER 3POS. 100pin. SGL GOLD
26	2	L1,L2	IQM3VH7B23MAGL	Y	Murata	INDUCTOR 2.2UH 20% 1200MA 1008
27	1	L3	LP53015-222MAL	Y	Colcraft	Compact, low profile shielded power inductor
28	1	L4	CLB0127-100M	Y	Taiyo Yuden	INDUCTOR 10UH 20% 0805 SMD
29	1	LP2	SMC 325 0-58 87 LF	Y	Sumida	46-PIN MALE FEMALE HEADERS
30	1	RT1	NCF15WF104F3RC	Y	Murata	THERMISTOR 100K OHM NTC 0402 SMD
31	1	R1	ERJ-29E1202M	Y	Panasonic	RES SMD 120K OHM 1% 1/10W 0402
32	1	R2	RC0402FR-07E24K	Y	Yageo	RES 82K OHM 1/16W 1% 0402 SMD
33	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	ERJ-1GE180C	Y	Panasonic	RES 18K OHM 1/20W 1% 0201 SMD
34	1	R23,R71,R97	ERJ-1CRK100X	Y	Panasonic	RES 10K OHM 1% 1/10W 0402 SMD
35	1	R58	ERJ-1GF100C	DN1	Panasonic	RES 10K OHM 1/20W 1% 0201 SMD
36	1	R67	ERJ-1GF100C	Y	Panasonic	RES 10K OHM 1/20W 1% 0201 SMD
37	9	R68,R69,R90,R91,R96,R93,R107,R117,R128	ERJ-2GE800X	Y	Panasonic	RES 0.0 OHM 1/10W 0402 SMD
38	10	R70,R74,R89,R104,R108,R109,R110,R111,R112,R116	CRK04042100NF01D	Y	Vishay/Dale	RES 10K OHM 1/20W 1% 0402 SMD
39	3	R72,R75,R76,R77,R78	ERJ-1CRK100X	Y	Panasonic	RES 10.0 OHM 1/20W 1% 0402 SMD
40	1	R83	RC0402FR-07180K	Y	Yageo	RES 180K OHM 1/16W 1% 0402 SMD
41	1	R84	RC0402FR-07180K	Y	Yageo	RES 180K OHM 1/16W 1% 0402 SMD
42	4	R85,R86,R87,R125	ERJ-1CRK100X	Y	Panasonic	RES 1K OHM 1% 1/10W 0402 SMD
43	1	R89	ERJ-2RF100X	Y	Panasonic	RES 10.0K OHM 1/20W 1% 0402 SMD
44	1	R92	RUB05S-R18A	Y	Suolun	RES 10 OHM 1/10W 1% 0402 SMD
45	1	R94	ERJ-2RF8873X	Y	Panasonic	RES 887K OHM 1/16W 1% 0402 SMD
46	2	R95,R101	ERJ-2RF933X	Y	Panasonic	RES 933K OHM 1/20W 1% 0402 SMD
47	3	R102,R106,R129	ERJ-1CRK100X	Y	Panasonic	RES 10K OHM 1/20W 1% 0402 SMD
48	6	R105,R108,R113,R114,R115,R120	ERJ-2GE800X	DN1	Panasonic	RES 0.0 OHM 1/16W 0402 SMD
49	2	R118,R119	RC0402FR-0796K	Y	Yageo	RES 0.1K OHM 5% 1/16W 0402 SMD
50	3	R121,R122,R123	ERJ-2RF875X	Y	Panasonic	RES 875 OHM 1% 1/20W 0402 SMD
51	1	R124	ERJ-6GE1201V	Y	Panasonic	RES 200 OHM 1/8W 5% 0805 SMD
52	36	TRM0101,TP1,TP6N02,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19	- NOT A PART -	DN1	- NOT A PART -	Not a Part
53	2	U1,U2	TPS62402D0CT	Y	Texas Instruments	IC REG BUCK SYNC ADJ TS0723-5
54	1	U3	W25Q160WWSIG	Y	Winbond	Flash Memory
55	1	U4	CAT24C256W-4T3	Y	ON Semiconductor	Onboard EEPROM
56	1	U5	DLPS1000PT	Y	Texas Instruments	DLPA1000 PMAC LED DRIVER
57	1	U6	SN74VLC1G25DCK	Y	Texas Instruments	BUFFER
58	1	U7	TPS71501DCK	Y	Texas Instruments	REGULATOR
59	1	U8	SN74AUP1G00DCK	Y	Texas Instruments	INVERTER BUFFER
60	1	U9	TLV805000RET	Y	Texas Instruments	VOLTAGE SUPERVISOR
61	1	U10	SN74VLC1G20BCKCR	Y	Texas Instruments	OR-AND LOGIC IC
62	1	U11	TPS2292000VVT	Y	Texas Instruments	IC LOAD SWITCH SOT23-6
63	1	U12	DLPC2670V	Y	Texas Instruments	DLPC2670 CONTROLLER
64	1	U13	2510465-0001	Y	Texas Instruments	DLPC2607 CONTROLLER
65	1	U14	MT48K32M16LFBF-5-IT-C	Y	Micron Technology Inc.	1C5680M 32MBIT 200MHz 608GA
66	1	X0100	TM-16-66670MAAE-T	Y	NOX	16-667 7MPC CRYSTAL

ITEM NO.	PART NUMBER	DESCRIPTION	Manufacturer	QTY.	Notes
1	P2NHD ENGINE MOUNT	ENGINE MOUNT	Krypton	1	
2	DLPOLCR2000-ENG	Model F1E2 - Young Optics 0.2mHO Optical Engine	Young Optics	1	
3	P2NHD FLE2 HEATSINK	Heatsink Assembly	Krypton	1	
4	507699	M1.6-0.35 x 10mm Machine Screw/Phillips/Pan Head/Steel/Black Oxidize	Fastener Superstore	2	
5	507544	M1.6-0.35 x 3mm Machine Screw/Phillips/Pan Head/18-8 Stainless Steel	Fastener Superstore	2	
6	801121	4.5mm OD Hex Standoff, (Male Female)/M2.5-0.45 x 5mm	Fastener Superstore	7	See Note 1
7	801144	4.5mm OD Hex Standoff, (Female Female)/M2.5-0.45 x 12mm	Fastener Superstore	4	
8	801102	4.5mm OD Hex Standoff, (Female Female)/M2.5-0.45 x 5mm	Fastener Superstore	1	
9	FW0045A	WASHER FLAT M2 NYLON	Essentra Components	1	
10	TIDA01473-Board	DLPOLCR2000-EVM Board	Texas Instruments	1	
11	513005	M2.5-0.35 x 5mm Machine Screw/Phillips/Pan Head/18-8 Stainless Steel/DIN965	Fastener Superstore	3	
12	99842A101	Number 0 Screw Size, 0.072" ID, 0.17" OD 18-8 Stainless Steel Single-Wave Washer	McMaster-Carr	1	See Note 1
13	507653	M1.6-0.35 x 3mm Machine Screw/Phillips/Pan Head/18-8 Stainless Steel	Fastener Superstore	1	See Note 1
14	502355	M2.5-0.45 x 5mm Machine Screw/Phillips/Pan Head/18-8 Stainless Steel	Fastener Superstore	2	

ITEM NO.	PART NUMBER	DESCRIPTION	Manufacturer	QTY.	Notes
1	P2NHD FLE2 HEATSINK	Heatsink	Krypton	1	
2	P2NHD THERMAL PAD 2	Thermal Pad	i-GlobaL Technology	1	
3	H48-46Z-150-150-0.5-1A	Thermal Pad (-40mm x 40mm per EVM)	i-GlobaL Technology	4	
4	P2NHD THERMAL PAD 1	Thermal Pad	i-GlobaL Technology	2	

Note:
Items 12, 13 and quantity of 4 for item 6 should put in an ESD bag and labeled "TIDA01473 HW"
These should be shipped to Harte Hanks to be kitted with TIDA01473.

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (<https://www.ti.com/legal/termsofsale.html>) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2021, Texas Instruments Incorporated