

Bill of Materials

TI DESIGNS

TIDA-080001-DisplayBoard

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	2	C1,C2	3pF	CAP CER 9PF 50V NP0 0402	TDK	CGJ2B2C0G1H090D050BA		402	
2	3	C3,C4,C7	10uF	CAP CER 10UF 10V 20% X5R 0603	TDK	C1608X5R1A106M080AC		603	
3	3	C5,C9,C10	0.22uF	CAP CER 0.22UF 25V 10% X5R 0402	TDK	C1005X5R1E224K050BC		402	
4	1	C6	22uF	CAP CER 22UF 10V 20% X5R 0603	Samsung	CL10A226MP8NUNE		603	
5	5	C8,C16,C24,C39,C52	1uF	CAP CER 1.0UF 25V X5R 0402	Taiyo Yuden	TMK105BJ1C104K050MV-F		402	
6	28	C11,C18,C19,C20,C23,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C40,C41,C42,C43,C44,C45,C46,C47,C48	0.1uF	CAP CER .1UF 16V X7R 0402	TDK	C1005X7R1C104K050BC		0402_AVXA	
7	4	C12,C13,C15,C54	22uF	CAP CER 22UF 6.3V 20% X5R 0603	TDK	C1608X5R0J226M		603	
8	1	C14	2.2uF	CAP CER 2.2UF 6.3V X5R 0402	TDK	C1005X5R0J225M		402	
9	1	C17	4.7uF	CAP CER 4.7UF 6.3V 20% X5R 0402	TDK	C1005X5R0J475M050BC		402	
10	2	C21,C22	0.01uF	CAP CER 10000PF 16V X7R 10% 0402	TDK	C1005X7R1C103K		402	
11	3	C49,C50,C51	0.1uF	0.1uF 50V Ceramic Capacitor X7R 0402	TDK	CGA2B3X7R1H104K050BB		402	
12	1	C53	4.7uF	CAP CER 4.7UF 6.3V X5R 0402	TDK	C1005X5R0J475M050BC		402	
13	1	D1	PMEG4002EL	SCHOTTKY RECT 40V 0.2A SOD882	NXP Semiconductors	PMEG4002EL,315		SOD882	
14	2	F1,F2	BLM15PD800SN1D	FERRITE CHIP 80 OHM 1500MA 0402	Murata	BLM15PD800SN1D		BLM15P	
15	1	J1	AXTS50124	CONN SOCKET F4S .4MM 50POS SMD	Panasonic	AXTS50124		Panasonic_AXTS50124_counter_clkwise_pi nout	
16	1	J2	S4B-EH	CONN HEADER EH SIDE 4POS 2.5MM	JST	S4B-EH(LF)(SN)		JST_S4B-EH	
17	1	J3	HDR_3P_1R	PLUG	Samtec	TSW-103-07-G-S		TSW-103-07-G-S	
18	1	J4	EM,HDR,8P,1R, 2.54	CONN HEADER 8 POS 2.54	Wurth Electronics Inc.	6130081121		HDR8x1	
19	1	J5	QSH-030-01-L-D-A	CONN RCPT HI-SHIELD .5MM 60POS DL (stacking ht 5mm)	Samtec	QSH-030-01-L-D-A		Samtec_QSH-030-xx-x-D-A	
20	1	L1	2.2uH	INDUCTOR SHIELD PWVR 2.2UH SMD Irms-4.76A Isat-7.06A	Cooper Bussmann	DR74-2R2-R		CooperBussmann_DR74	
21	1	L2	10uH	INDUCTOR 10UH 20% 0805 SMD	Taiyo Yuden	CBL2012T100M		805	
22	1	L3	2.2uH	INDUCTOR 2.2UH 20% 1300MA 1008	Murata	LQM2HPN2R2MG0L		1008_2p5mmx2mm	
23	1	RT1	100k	THERMISTOR 100K OHM NTC 0402 SMD	Murata	NCP15W1F104F03RC		402	
24	1	R1	100	RES 100 OHM 1/10W 1% 0402 SMD	Vishay Beyschlag	MCS0402C1000FE000		402	
25	1	R2	953k	RES 953K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF9533X		402	
26	2	R3,R4	43	RES 43 OHM 1/20W 5% 0201 SMD	Panasonic	ERJ-1GEJ430C		201	
27	2	R5,R26	7.87k	RES 7.87K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF7871X		402	
28	0	R6	7.87k	RES 7.87K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF7871X		402	
29	6	R7,R10,R11,R27,R29,R32	100k	RES 100K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-07100KL		402	
30	8	R8,R9,R12,R13,R14,R15,R30,R31	30.1	RES 30.1 OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-0730R1L		402	
31	0	R16	100k	RES 100K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-07100KL		402	
32	1	R17	0.039	RES 0.039 OHM 1/4W 1% 0603	Rohm	UCR03EWPFSR039		603	
33	9	R18,R20,R25,R28,R33,R34,R35,R36,R37	10k	RES SMD 10K OHM 1% 1/10W 0402	Panasonic	ERJ-2RKF1002X		402	
34	1	R19	300	RES 300 OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF3000X		402	
35	3	R21,R23,R24	30.0k	RES 30.0K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF3002X		402	
36	1	R22	0	RES 0.0 OHM 1/16W 0402 SMD	Panasonic	ERJ-2GEOR00X		402	
37	3	TPGND1,TPGND2,TPGND4	TP_BLK	TEST POINT PC MINI .040inD BLACK	Keystone	5001		KEYSTONE_TP_MINIATURE	
38	0	TPGND3	TP_BLK	TEST POINT PC MINI .040inD BLACK	Keystone	5001		KEYSTONE_TP_MINIATURE	
39	1	U1	DLPC3470	DLP-PICO Processor	Texas Instruments	DLPC3470CZEZ		DPP3438_13mmx13mm_VFBGA_201balls	
40	0	U2	W25Q32JVSSIQ	IC FLASH SPI 32MBIT 8SOIC	Winbond	W25Q32JVSSIQ		SOIC-8_208mil	
41	1	U3	DLPA2005	Power & LED Driver IC for DLP PICO Projector	Texas Instruments	DLPA2005ERSLR		PAD2005_RSL_S-POFP-N48_QFN48	
42	2	U4,U6	SN74AUP2G07DCK	IC BUFF/DRIVER DUAL LP SC70-6	Texas Instruments	SN74AUP2G07DCK		U_6_DCK	
43	1	U5	SN74AUP1G07DCK	IC BUFF/DVR LOW PWIR N-INV SC705, open drain	Texas Instruments	SN74AUP1G07DCKR		U_5_DCK	
44	1	X1	24MHz	Type NX2016SA, 24MHz	NDK	1ZZCAA24000EE0C		NDK_EXS00A-CS05733	