Texas Instruments

Bill of Materials

TI DESIGNS

ITEM	QTY	REFERENCE DESIGNATOR	VALUE	DESCRPTION	SIZE	MANUFACTURER	MANUFACTURER PART NUMBER	COMMENTS
1	1	!PCB1	PCB	Printed Circuit Board	NA	Any	TIDLP-20277-01	
2	4	C1,C14,C20,C38	10 uF	CAP CER 10UF 25V 10% X5R 1210	1210	MuRata	GRM32DR61E106KA12L	
3	4	C2,C10,C11,C13	1 uF	CAP CER 1UF 25V 10% X5R 0603	603	Panasonic	ECJ-1VB1E105K	
4	1	C3	6.2 pF	CAP CER 6.2PF 50V NP0 0402	402	MuRata	GJM1555C1H6R2CB01D	
5	1	C4	22uF	CAP CER 22UF 16V 20% X5R 1210	1210	Taiyo Yuden	EMK325BJ226MM-T	
6	5	C7,C16,C22,C9,C12	0.1uF	CAP CER 0.1UF 50V 20% X7R 0805	805	AVX	08055C104MAT2A	
7	1	C8	1000pF	CAP CER 1000PF 50V 10% X7R 0805	805	Panasonic	ECJ-2VB1H102K	
8	1	C19	0.22 uF	CAP CER 0.22UF 25V 10% X8R 0805	805	TDK	C2012X8R1E224K	
9	55	C7,C9,C12,C16,C22,C29,C30,C31,C32,C33,C34,C35,C37,C39,C40,C41,C42,C43,C44,C45,C46,C47,C49,C50,C51,C52,C54,C55,C57,C58,C60,C61,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C80,C81,C82,C97,C98,C99,C100,C101,C102,C110	0.1uF	CAP CER 0.1UF 25V 10% X7R 0603	603	Panasonic	ECJ1VB1E104K	
10	0	C36,C53	DNI	CAP CERM	1210			
11	1	C111	2700pF	CAP CER 2700PF 50V 10% X7R 0402	402	Yageo	CC0402KRX7R9BB272	
12	2	DN1,DN2	BAT54SW	DIODE SCHOTTKY 30V 200MA SOT323	SOT323	Diode Inc.	BAT54SWT1G	
13	1	D1	STPS0540Z	DIODE SCHOTTKY 40V 0.5A SOD123	SOD123	STMicroelectronics	STPS0540Z	
14	1	D2	BZD27C10P	DIODE ZENER 800MW SMF DO219-M	BZD27C10P	Vishay	BZD27C10P-M-08	
15	1	D3	MAZ80330HL	DIODE ZENER 3.3V 150MW SMINI2	DIO-SMINI2F1-REV_PAN	Panasonic	MAZ80330HL	Part is EOL, suggested replacement is: Panasonic DZ2J03300L (DIODE ZENER 3.3V 200MW SMINI2)
16	1	J1	87224-2	CONN HEADER VERT .100 2POS 15AU	0.100" (2.54mm) x2	TE Connectivity	87224-2	
17	0	J2	DNI	CONN HEADER EH SIDE 4POS 2.5MM	2.5MM	JST	S4B-EH(LF)(SN)	
18	1	L1	22 uH	IND,22uH,SMT	1608	Coilcraft	DT1608C-223	
19	2	L2,L4	220 OHM	FERRITE CHIP 220 OHM 0805	805	MuRata	BLM21PG221SN1D	
20	1	P1	cSTACK FLEX CONN	CN150CUSTOM_REVB-MOD-NO-MH				
21	3	Q1,Q4,Q7	2N2907A	TRANS PNP 60V 300MW SMD SOT23-3	SOT23AVXD	Diode Inc.	MMBT2907A	
22	6	Q2,Q3,Q5,Q6,Q8,Q9	2N2222A	TRANS NPN 40V 350MW SMD SOT23-3	SOT23AVXD	Diode Inc.	MMBT2222A	
23	6	R1,R2,R3,R4,R6,R9	470	RES 470 OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GSYJ471	
24	0	R5,R20,R21,R22,R23,R43	DNI	RES	603			
25	7	R7,R11,R24,R25,R28,R31,R39	10k	RES 10K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GSYJ103	
26	2	R8,R18,R42	0	RES 0 OHM 1/10W 0603 SMD	603	Panasonic	ERJ-3GEY0R00V	
27	1	R10	360k	RES 360K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ364	
28	1	R12	15k	RES 15K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ153	
29	2	R13,R17	56k	RES 56K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ563	
30	1	R14	75k	RES 75K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ753	
31	1	R15	620k	RES 620K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ624	
32	1	R16	680k	RES 680K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ684	
33	0	R26,R27	DNI	RES	603			
34	1	R29	1k	RES 1K OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GSYJ102	
35	3	R30,R34,R38	12	RES 12 OHM 1/10W 5% 0603 SMD	603	Panasonic	ERJ-3GEYJ120V	
36	3	R32,R35,R36	3.3k	RES 3.3K OHM 1/10W 5% 04023 SMD	402	Panasonic	ERJ-2GEJ332X	
37	4	R29,R33,R37,R41	1k	RES 1K OHM 1/10W 5% 0402 SMD	402	Panasonic	ERJ-2GEJ102X	
38	1	R40	2.2k	RES 2.2K OHM 1/10W 5% 0402 SMD	402	Panasonic	ERJ-2GEJ222X	
39	1	R45	33	RES 33 OHM 1/10W 5% 0603 SMD	402	Panasonic	ERJ-3GEYJ33V	
40	0	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP22,TP34,TP35,TP36,TP37,TP0	Testpoint	Testpoint, Not Purchased	NA	NA		
41	0	TP16,TP18,TP19,TP38	Testpoint	Testpoint, Not Purchased	NA	NA		
42	0	TP20,TP21,TP23,TP24,TP25,TP26,TP27,TP28,TP29,TP30,TP31,TP32,TP33	Testpoint	Testpoint, Not Purchased	NA	NA		
43	1	U1	TPS65145	IC LCD SUPPLY TFT QUAD 24HTSSOP	24-HTSSOP	Texas Instruments	TPS65145PWP	
44	1	U2	DLP6500FYE	IC, 0.65 1080p DMD	DMD_B_LVDS	Texas Instruments	DLP6500FYE	