

Bill of Materials

TI DESIGNS

TIDA-00423

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint	Note
1	20	C1,C2,C3,C4,C5,C6,C7,C8	0.1uF	CAP CER 0.1UF 6.3V 20% X5R 0201	TDK	C0603X5R0J104M030BC	201	
2	4	C21,C22,C27,C28	10uF	CAP CER 10UF 6.3V Y5V 0603	TDK	C1608Y5V0J106Z	603	
3	2	C23,C24	4.7uF	CAP CER 4.7UF 4V 20% X5R 0402	Taiyo Yuden	AMK105BJ475MV-F	402	
4	2	C25,C26	0.01uF	CAP CER 0.01UF 6.3V X5R 01005	TDK	C0402X5R0J103K	1005	
5	2	C29,C30	1nF	CAP CER 1000PF 16V 10% X7R 0201	Murata	GRM033R71C102KD01D	201	
6	128	C31,C32,C33,C34,C35,C36	0.22uF	CAP CER 0.22UF 10V 20% X5R 0201	Taiyo Yuden	LMK063BJ224MP-F	201	
7	2	C160,C161	1uF	CAP CER 1UF 6.3V 10% X5R 0402	TDK	C1005X5R0J105K050BB	402	
8	4	D1,D2,D3,D4	SML-P12PTT86	LED GREEN 0.2MM 13MCD 0402 SMD	Rohm Semiconducto	SML-P12PTT86	402	
10	1	J2	NWE82DHRN-T9410	CONN PCI EXPRESS 164POS VERT PCB	Sullins	NWE82DHRN-T9410	NWE82DHRN-T9410	
11	2	J3,J5	2 HEADER	CONN HEADER 2POS .100 VERT GOLD	Molex	22-28-4023	2_HEADER	
12	3	J4,J6,J8	4 HEADER	CONN HEADER 4POS .100 VERT GOLD	Molex	22-28-4043	4_HEADER	
13	1	J7	3 HEADER	CONN HEADER 3POS .100 VERT GOLD	Molex	22-28-4033	3_HEADER	
14	1	J9	4808-3004-CP	SOCKET IC OPEN FRAME 8POS .3"	3M	4808-3004-CP	DIP8	
15	2	R1,R4	1.5k	RES 1.50K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF1501X	402	
16	7	R2,R5,R50,R51,R52,R53	1k	RES 1.00K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF1001X	402	
17	2	R3,R6	51k	RES 51.0K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF5102X	402	
18	4	R7,R8,R9,R10	220	RES 220 OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF2200X	402	
19	26	R11,R13,R14,R16,R17,R18	249	RES 249 OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF2490X	402	
20	13	R12,R15,R18,R21,R24,R25	4.99k	RES 4.99K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF4991X	402	
21	2	R55,R56	2k	RES 2.00K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF2001X	402	
22	6	SW1,SW3,SW5,SW6,SW10,SW11	219-6MST	SWITCH TAPE SEAL 6 POS SMD	CTS Electrocompon	219-6MST	219-6MST	
23	1	SW2	219-3MST	SWITCH TAPE SEAL 3 POS SMD	CTS Electrocompon	219-3MST	219-3MST	
24	6	SW4,SW7,SW12,SW15,SW16	219-2MST	SWITCH TAPE SEAL 2 POS SMD	CTS Electrocompon	219-2MST	219-2MST	
25	3	SW8,SW9,SW14	219-4MST	SWITCH TAPE SEAL 4 POS SMD	CTS Electrocompon	219-4MST	219-4MST	
26	1	SW13	EVQ-21505R	SWITCH TACTILE SPST-NO 0.02A 15V	Panasonic	EVQ-21505R	EVQ-21505R	
27	4	U1,U2,U3,U4	DS80PCI810	IC REPEATER 8.0Gbps 8CH 54LLP	TI	DS80PCI810NJY	54_LL	
28	2	U5,U6	LP3878-ADJ	IC REG LDO ADJ .8A 8-PSOP	TI	LP3878MR-ADJ	PSOP-8	
29		TIDA00423 BRD PCB						

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