

Bill Of Materials November 13,2017 10:19:46

Item	Quantity	Reference	Part	Footprint	Manufacturer	Manufacture Part Number	Description
		C1,C5,C7,C9,C10,C12,C14,C16,C18,					
1	10	C20	100nF	c0201	Murata	GRM033R61A104KE15D	CAP CER 0.1UF 10V X5R 0201
2	6	C2,C3,C8,C11,C13,C15	470nF	c0201	Murata	GRM033R60J474KE90D	CAP CER 0.47UF 6.3V X5R 0201
3	4	C4,C6,C17,C19	220nF	c0201	Murata	GRM033R60G224ME15D	CAP CER 0.22UF 4V X5R 0201
		C21,C22,C23,C31,C32,C33,C34,C35					
4	9	C36	1uF	c0402	Murata	GRM155R60J105ME19D	CAP CER 1UF 6.3V X5R 0402
5	2	C24,C25	100nF	c0402	Murata	GRM155R61A104KA01D	CAP CER 0.1UF 10V X5R 0402
6	5	C26,C45,C46,C47,C48	10nF	c0402	Murata	GRM155R71C103KA01D	CAP CER 10000PF 16V X7R 0402
7	1	C27	0.22uF	c0402	Murata	GRM152R61A224KE19D	CAP CER 0.22UF 10V X5R 0402
8	2	C28,C29	330pF	c0402	Murata	GRM1555C1E331JA01D	CAP CER 330PF 25V COG/NPO 0402
9	5	C30,C43,C44,C49,C50	10uF	c0603	Murata	GRM188R61E106MA73D	CAP CER 10UF 25V X5R 0603
10	2	C37,C38	0.1uF	c0402	Murata	GRM155R61A104KA01D	CAP CER 0.1UF 10V X5R 0402
11	1	C39	0.01uF	c0402	Murata	GRM155R71C103KA01D	CAP CER 10000PF 16V X7R 0402
12	1	C40	22uF	c1206	Murata	GRT31CR61E226ME01L	CAP CER 22UF 25V X5R 1206
13	2	C41,C42	10uF	c1206	Murata	GRM319R61E106KA12D	CAP CER 10UF 25V X5R 1206
14	1	C51	1uF 25V	c0603	Murata	GRM185R61E105KA12D	CAP CER 1UF 25V X5R 0603
15	1	D1	SCHOTTKY	DO-214AA	NXP	PMEG3050EP.115	DIODE SCHOTTKY 30V 5A SOD128
16	1	D2	LED Green	805	Lumex	LTST-C170KGKT	LED GREEN CLEAR 0805 SMD
17	1	D3	TPD1E10B06	DPY0002AA	Texas Instruments	TPD1E10B06DPYR	Schottky
18	1	D4	LED Green 0805	805	Lumex	LTST-C170KGKT	LED GREEN CLEAR 0805 SMD
19	2	FB1,FB2	26 @ 100MHZ	603	Murata	BLM185G260TN1D	ERRITE BEAD 26 OHM 0603 1LN DIL VERTICAL PC TAIL PIN
20	7	JMP6,JMP7	HDR3X2 .1X.1	HDR_THVT_2x3_100_M	Harwin	M20-9980345	HEADER
21	1	JMP8	Header 5x2	HDR_THVT_2x5_100	AMP	67997-410HLF	CONN HEADER 10POS .100 R/A 15AU
22	4	J1,J2,J3,J4	HDR3X1 M .1	HDR_THVT_1x3_100_M	3M	961103-6404-AR	CONN HEADER 10POS DL R/A GOLD
23	1	J5	HDR3X2 .1X.1	HDR_THVT_2x3_100_M	Harwin	M20-9980345	DIL VERTICAL PC TAIL PIN HEADER
24	1	J6	HDR2X2 M .1X.1	HDR_THVT_2x2_100	Amphenol FCI	67997-404HLF	CONN HEADER 4POS .100 STR TIN
25	1	J7	Header 5x2 0.1" Shroud RA thru-hole	HDR_THRT_2X5_100	3M	30310-5002HB	CONN HEADER 10POS .100 STR TIN
26	1	J8	2.1mm x 5.5mm	PJ-202AH	CUI Inc.	PJ-202AH	CONN PWR JACK 2X5.5MM KINKED PIN
27	1	LB2	THD-47-478-10	rectangle	Brady	THD-47-478-10	LB2 = "TUSB564RNQEVMM"
28	1	PCB1	HSDC025	n/a	Any	HSDC025 PCB	PCB
29	1	P1	JAE DX07S024JJ2	USB-C_SMRT_DX07S024JJ2	JAE	DX07S024JJ2R1300	CONN RCPT USB3.1 TYPEC BRD EDGE
30	1	P2	USB3 Type A Receptacle	USB3_TYPEA	AMP	GSB4111312HR	USB3.1 Type-A Connector
31	1	P3	Display_Port_Connector_Source	CON_DP_SD-47272-001	Molex Inc	472720001	CONN RCPT 20POS UDI R/A SMD
32	0	R1	10k DNI	r0402	Panasonic Electronic Components	ERJ-2GEJ103X	RES SMD 10K OHM 5% 1/10W 0402
		R2,R6,R7,R8,R11,R41,R43,R44,R66,					
33	11	R70,R85	0	r0402	Panasonic Electronic Components	ERJ-2GE0R00X	RES SMD 0 OHM JUMPER 1/10W 0402
34	0	R3,R5,R15,R16,R17,R18,R46,R86	0 DNI	r0402	Panasonic Electronic Components	ERJ-2GE0R00X	RES SMD 0 OHM JUMPER 1/10W 0402
35	0	R4,R14,R52	100k DNI	r0402	Panasonic Electronic Components	ERJ-2GEJ104X	RES SMD 100K OHM 5% 1/10W 0402
36	7	R9,R45,R47,R48,R49,R50,R51	1M	r0402	Panasonic Electronic Components	ERJ-2GEJ105X	RES SMD 1M OHM 5% 1/10W 0402
37	1	R10	5M	r0402	Ohmite	HVC0402T5004JET	RES SMD 5M OHM 5% 1/20W 0402
38	0	R12,R13	1M DNI	r0402	Panasonic Electronic Components	ERJ-2GEJ105X	RES SMD 1M OHM 5% 1/10W 0402
		R19,R20,R22,R24,R25,R28,R29,R30					
39	15	R33,R34,R35,R61,R62,R63,R64	1k	r0402	Panasonic Electronic Components	ERJ-2GEJ102X	RES SMD 1K OHM 5% 1/10W 0402
40	7	R21,R23,R26,R27,R31,R32,R36	20K	r0402	Panasonic Electronic Components	ERJ-2RKF2002X	RES SMD 20K OHM 1% 1/10W 0402

41	2 R37,R38	0	r0201	Panasonic Electronic Components	ERJ-1GN0R00C	RES SMD 0 OHM JUMPER 1/20W 0201
42	1 R39	15k 0.1%	r0402	Panasonic Electronic Components	ERA-2AEB153X	RES SMD 15K OHM 0.1% 1/16W 0402
43	2 R40,R42	0	r0402	Panasonic Electronic Components	ERJ-2GE0R00X	RES SMD 0 OHM JUMPER 1/10W 0402
44	3 R53,R60,R87	100k	r0402	Panasonic Electronic Components	ERJ-2GEJ104X	RES SMD 100K OHM 5% 1/10W 0402
45	1 R57	10k	r0402	Panasonic Electronic Components	ERJ-2GEJ103X	RES SMD 10K OHM 5% 1/10W 0402
46	7 R58,R59,R67,R68,R72,R73,R74	3.3k	r0402	Panasonic Electronic Components	ERJ-2GEJ332X	RES SMD 3.3K OHM 5% 1/10W 0402
47	0 R71	3.3k DNI	r0402	Panasonic Electronic Components	ERJ-2GEJ332X	RES SMD 3.3K OHM 5% 1/10W 0402
48	2 R75,R76	0	r1206	Panasonic Electronic Components	ERJ-8GEY0R00V	RES SMD 0 OHM JUMPER 1/4W 1206
49	2 R77,R78	330	r0402	Panasonic Electronic Components	ERJ-2GEJ331X	RES SMD 330 OHM 5% 1/10W 0402
50	0 R79,R82	0 DNI	r0805	Panasonic Electronic Components	ERJ-6GEY0R00V	RES SMD 0 OHM JUMPER 1/8W 0805
51	1 R80	3.9K	r0402	Panasonic Electronic Components	ERA-2AEB392X	RES SMD 3.9K OHM 0.1% 1/16W 0402
52	1 R81	1.2K	r0402	Panasonic Electronic Components	ERA-2AEB122X	RES SMD 1.2K OHM 0.1% 1/16W 0402
53	2 R83,R84	2M	r0402	Panasonic Electronic Components	ERJ-2GEJ205X	RES SMD 2M OHM 5% 1/10W 0402
54	4 SCRW1,SCRW2,SCRW3,SCRW4 SHNT1,SHNT2,SHNT3,SHNT4,SHNT	NY PMS 440 005 PH	screw	B&F Fastener	NY PMS 440 0050 PH	40x.5 inch nylon
55	8 5,SHNT6,SHNT7,SHNT8 STDOFF1,STDOFF2,STDOFF3,STDO	QPC02SXGN-RC	0.1	Sullins Connector Solutions	QPC02SXGN-RC	CONN JUMPER SHORTING .100" GOLD
56	4 FF4	1902E	Standoff	Keystone	1902E	1 inch nylon
57	1 SW1	4-POS 50-MIL SMT	sw_smt_dip_4pos_8	C&K(ITT-CANNON)	TDA04H05B1R	SWITCH SLIDE DIP SPST 25MA 24V
58	1 U1	TUSB564	RNQ0040A	Texas Instruments	TUSB564RNQ	
59	4 U2,U3,U4,U5	TPD4E05U06	DQA	Texas Instruments	TPD4E05U06DQAR	TVS DIODE 5.5VVM 14VC 10SON
60	1 U6	TPS65986	ZQZ_BGA_96	Texas Instruments	TPS65986ABZQZR	IC PD CTR USB TYPE-C 96BGA
61	1 U7	W25Q80	SOIC_8_197x157_50	WINBOND	W25Q80DVSNIQ	IC FLASH 8MBIT 104MHZ 8SOIC
62	1 U8	TPS7A4533	DCQ_PDSO_6	Texas Instruments	TPS7A4533DCQR	IC REG LINEAR 3.3V 1.5A SOT223-6
63	1 U9	TPS7A4501	DCQ_PDSO_6	Texas Instruments	TPS7A4501DCQT	IC REG LINEAR ADJ SOT223-6

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