























Component list

Bill of Materials for Variant [PWRADJ-High] of BOM Document [fader2_pcb.BomDoc]

Source Data From: Project: Variant:

fader2_pcb.BomDoc fader2_pcb.PrjPcb PWRADJ-High

Altium,
Think it, Design it, Build it

		Report Date: Print Date:		6/12/2020 12-Jun-20	9:35 AM 9:35:16 AM		=				Thi	nk it, Design it, Bu	ild it™	
Description	Footprint	Quantity	Designator	Supplier Order Qty 1	Manufacturer 1	Manufacturer Part Number 1	Supplier Unit Price 1	Supplier Subtotal per Board 1	n Name Error: Supplier Ord	n Name Error:' Manufa	Manufacturer Part Number 2	n Name Error: Supplier Unit	Supplier Currency 1	Total Price
Balun, 1:1.5 CORE & WIRE Transformer, 0.5 - 550 MHz, 50Ω	AT224-3	1	BL2	20	Mini-Circuits	TC1.5-52TG2+	2.95	2.95					USD	2.95
CAPCER 3.3uF 10% 10V XSR 0402	CAP_0402	24	C1, C4, C13, C14, C18, C19, C25, C29, C32, C34, C46, C48, C52, C64, C65, C66, C70, C72, C78, C86, C99, C105, C113, C115	24	ток	C1005X5R1A335K050BC	0.342	8.21					USD	8.21
CAPCER 1uF 20% 16V X5R 0402	CAP_0402	12	C2, C23, C31, C33, C37, C38, C40, C90, C92, C95, C104, C114	12	Samsung	CL05A105MO5NNNC	0.049	0.588					USD	0.588
CAPCER 0.1uF 10% 16V X7R 0402	CAP_0402	10	C3, C17, C26, C47, C63, C69, C71, C73, C75, C77	10	Samsung	CL05B104KOSNNNC	0.029	0.29					USD	0.29
CAPCER 10nF 10% 50V X7R 0402	CAP_0402	15	C5, C21, C36, C39, C43, C50, C62, C84, C85, C88, C91, C96, C98, C102, C117	15	Murata	GCM155R71H103KA55D	0.044	0.66					USD	0.66
CAPCER 100pF 5% 50V C0G/NP0 0402	CAP_0402	7	C6, C22, C51, C89, C100, C103, C118	10	KBMET	C0402C101J5GACTU	0.039	0.273					USD	0.273
CAPCER 22uF 10% 16V X7R 1210 CAPCER 1uF 10% 10V X5R 0803	1210 CAP 0603	3 2	C8, C10, C67 C11, C12	3	Murata	GRM32ER71C226KE18L GRM188R61A 105KA61D	0.8507 0.13	2.55 0.26					USD	2.55 0.26
		-	C20, C30, C35, C49,											
CAPCER 0.22uF 10% 16V X7R 0402	CAP_0402	7	C53, C87, C116	10	Samsung	CL05B224KO5NNNC	0.054	0.378					USD	0.378
CA PCER 680;F 5% 25V CXGANFO 0603 Connector Header Vertical, SMD, 3 position 0.100" (2.54mm)	CAP_0603 HDR1X3_SMD	10	C76 BN_DVDD, BN_VDD_INC, BN_VDD_LINC,CM0 , BN_VDD_LINC,CM1 ,EN_VDDA, HS, H7, H16, H18, H19	1	KEMET	C0603O881J9GACTU	0.33	0.33					USD	0.33
Ferrite Bead 300 Ohms @ 100MHz 1 Signal Line 0603 (1608 Metric) 2A 150mOhm	FER_0603	6	FB1, FB3, FB4, FB5, FB7, FB10	6	Wurth Electronics	74279264	1 0.17	1.02					USD	1.02
Connector Header Vertical Dual Row, SMD, 12 position 0.100" (2.54mm) Connector Header Vertical, SMD, 2 position 0.100" (2.54mm)	HDR2X6_SMD HDR1X2_SMD	10	H9 H13, H15, H17, H20, H25, H_DVDD, H_VDD_IO, H_VDD_LINK_CM0, H_VDD_LINK_CM1, H_VDDA											0
Connector Header Vertical Dual Row, SMD, 20 position 0.100* (2.54mm) RES SMD 1.5K OHM 0.1% 1/10W 0603	HDR2X10_SMD	1	J1			ERA-3AEB153V	0.34	0.68					USD	0
RES SMD 4.32kOHM 0.1% 1/10W 0603	RES_0603 RES_0603	1	R1, R72 R2	1	Panasonic Panasonic	ERA-3AEB4321V	0.34	0.68					USD	0.68
RES SMD 931 OHM 0.5% 1/10W 0603	RES_0603	1	R3 R4, R24, R38, R39,		Yageo	RT0603DRD07931RL								0
RES 0.11 OHM 1% 1/2W 1206	RES_1206	5	R41	5	Susumu	RL1632R-R110-F	0.68	3.4					USD	3.4
RES SMD 3k OHM 0.1% 1/10W 0603 RES SMD 2.67kOHM 0.1% 1/10W 0603	RES_0603 RES_0603	2	R5 R6, R40	2	Panasonic Panasonic	ERA-3AEB302V ERA3AEB2671V	0.34	0.34					USD	0.34 0.68
RES SMD 3.48kOHM 0.1% 1/10W 0603 RES SMD 0 OHM JUMPER 1/10W 0603	RES_0603 RES_0603	1 3	R8 R9, R30, R52	1 3	Panasonic Panasonic	ERA-3AEB3481V ERJ-3GEY0R00V	0.34	0.34					USD	0.34
			R11, R12, R13, R14,											
RES SMD 10k OHM 0.1% 1/10W 0603 RES SMD 1K OHM 1% 1/10W 0603	RES_0603 RES_0603	10	R15, R16, R17, R18, R19, R20 R21, R22, R23, R31,	10 5000	Panasonic Panasonic	ERA-3AEB103V ERJ3EKF1001V	0.3	0.126					USD	0.126
RES SMD 13k OHM 0.1% 1/10W 0803	RES 0603	1	R32, R33 R36	1	Panasonic	ERA-3AEB133V	0.35	0.35					USD	0.35
RES SMD 50 OHM 0.1% 1/20W 0402 RES SMD 20k OHM 1% 1/10W 0402	RES_0402 RES_0402	1 2	R44 R46, R47	1	Vishay Dale Thin Film Panasonic	FC0402E50R0BST1 ERJ-2RKF2002X	2.39	2.39 0.2					USD	2.39 0.2
RES SMD 20X OHM 116 1/10W 0402 RES SMD 300 OHM 0.1% 1/10W 0603	RES_0603	1	R73 SMA_ARA_R	2	Panasonic Panasonic	ERA-3AEB301V	0.34	0.2					USD	0.2
SMD SMA CONNECTOR	CON-SMA-SMO	32	SMA, AND, F. SMA, ANT, I. N. S	32	Linx	CONSMAION-SIID-G	2.89	92.48			CONSIMACOZ SMID		USD	92.48
Test Point, through-hole, 40mil pad diameter, 20mil hole diameter Linear Positive Voltage Regulator IC, Adjustable Voltage, 1 Output 1.5A 20 VORI (6:65)	11-374201	8	TP_ANA_N, TP_ANA_P, TP_DVDD, TP_VDD_BUFFER, TP_VDD_LINK_CM0, TP_VDD_LINK_CM1, TP_VDDAM TP_VDDAM U1, U3, U12, U16, U21	5	Texas Instruments	TPS74201RGWR	5.3	26.5					USD	0 26.5
Flexible Array of Digital Efficient Radios (FADER2) chip, 26 x 26 BGA	FADER2 948G-01	1	U2 U4, U7	2	ON Semiconductor	NLSV4T244DTR2G	1.94	3.88					USD	0
Voltage Level Translator Unidirectional 1 Circuit 4 Channel 14-TSSOP I2C Repeater, Buffer, ReDriver 2 Channel 400kHz 8-VSSOP	948G-01 PCA9517	2 2	U5, U6	2 2	ON Semiconductor Texas Instruments	NLSV4T244DTR2G PCA9517DGKR	1.94	3.88 5.6					USD	3.88 5.6
OpAmp ADC	MAX9612	5	U8, U9, U10, U32, U33	5	Maxim	MAX9612AUB+	2.51	12.55					USD	12.55
Digital Potentiometer 1k Ohm 4 Circuit 256 Taps PC Interface 20-TSSOP Single Channel, Low Noise, High Linearity Differential Buffer / 16-Bit ADC Driver with Fast Clamp, 1600 MHz Typical GBW, 10000 V/us Typical SR,	LT-UDC-20 N	1	U11, U22 U19	1	Analog Devices Analog Devices / Linear Technology	AD5254BRUZ1 LTC6417CUDC#PBF	9.71	9.71					USD	9.71
4.75 to 5.25 V, 20-Pin QFN (UDC20), Commercial, Pb-Free Single Output High PSRR LDO, 1 A, Fixed 5 V Output, 2.7 to 5.5 V Input, 8-	TI-DRB8-	1	U20	1	Texas Instruments	TPS79650DRBR	3	3					USD	
pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)	2400X1650TP_V	1	020	1	rexas instruments	1F3/900ULKBK	3	3					090	3