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## Bill of Material

Parent part: 8000-0012-00 PCA,TX630 POWER AMP BD,  
Type : A REV B

Level	Component	Description	Qty Required	UM	T	Scrap	Seq	RtNum	Reference	Lin
.1	6000-0012-00	PCB,POWER AMP BOARD,TX630 REV B	1.00000000	EA	R	0.00	0	0	PCB	1
	Vends:	AVALONRF Avalon RF								
.1	7200-0075-00	IC,MAX1776,STEP DN CVTR,600MA, SO8-UMAX	1.00000000	EA	R	0.00	0	0	U1	2
	Mfgrs:	MAXIM MAX1776EUA								
.1	7200-0076-00	IC,LM2937IMP-3.3,VREG,LDO,3.3V 500MA,SOT-223	1.00000000	EA	R	0.00	0	0	U2	3
	Vends:	DIGIKEY Digi-Key LM2937IMP-3.3CT-ND								
	Mfgrs:	NATIONAL SEMICONDUCTOR LM2937IMP-3.3								
.1	7200-0074-00	IC,RF2172,MED PWR RF AMP,LLC	1.00000000	EA	R	0.00	0	0	U4	4
	Mfgrs:	RF MICRO-DEVICES RF2172								
.1	7200-0073-00	IC,RF2126,HIGH PWR RF AMP,SO-8	1.00000000	EA	R	0.00	0	0	U3	5
	Mfgrs:	RF MICRO-DEVICES RF2126								
.1	7000-0001-00	RECT,SK16,SCHTKY,60V,1A,SMD D0-214AA	1.00000000	EA	R	0.00	0	0	CR1	6
	Vends:	DIGIKEY Digi-Key SMBSR106								
	Mfgrs:	DIODES INC. SK16-13 SMBSR106								
.1	7900-0053-00	MICRO COMMERCIAL CO. ISOLATOR 2.4GHz,5mm SQUARE	1.00000000	EA	R	0.00	0	0	IS1	7
	Mfgrs:	HITACHI METALS SI-5L2.400G RADITEK RLEI-2400-2500M-5MM-1WL								
.1	6504-0001-00	FERRITE,100 OHMS @ 100MHZ,3A, C1206, HI1206N101R-00	1.00000000	EA	R	0.00	0	0	L2	8
	Vends:	DIGIKEY Digi-Key 240-1008-2-ND								
	Mfgrs:	STEWART HI1206N101R-00								
.1	6902-0017-00	FILTER,2.4-2.48GHz,LP,JOHANSON P/N:2442LP18A083	1.00000000	EA	R	0.00	0	0	FL1	8
	Vends:	JACO JACO								
.1	6805-500R-00	RES, 500, TOPADJ, 3MM SMD 652-3313J-1-501E MOUSER	1.00000000	EA	R	0.00	0	0	R10	9
.1	6702-TBD-00	CAP,TBD,16V,C0402 To-Be-Determined	1.00000000	EA	R	0.00	0	0	C26	11
.1	6702-15P0-00	CAP,15PF,50V,5%,COH,C0402	1.00000000	EA	R	0.00	0	0	C14	12
	Mfgrs:	TAIYO YUDEN UMK105CH150JW								
.1	6702-1N00-00	CAP,1000PF,50V,10%,X7R,C0402	2.00000000	EA	R	0.00	0	0	C15,C19	13
	Mfgrs:	KEMET C0402C102K5RAC TAIYO YUDEN UMK105BJ102KV								
.1	6702-1P50-01	CAP,1.5PF,16V,+/-0.1PF,COH, C0402	2.00000000	EA	R	0.00	0	0	C10,C18	14
	Mfgrs:	TAIYO YUDEN EVK105CH1R6BW								
.1	6705-U100-00	CAP,.1UF,25V,10%,X7R,C0805	1.00000000	EA	R	0.00	0	0	C29	15
	Vends:	DIGIKEY Digi-Key 311-1141-1-ND								
	Mfgrs:	TAIYO YUDEN UMK212BJ104KG YAGEO 08052R104K8B20D								
.1	6706-10U0-00	CAP,10UF,10V,Y5V,C1206 +80/-20%	2.00000000	EA	R	0.00	0	0	C5,C24	16
	Vends:	DIGIKEY Digi-Key PCC1894CT-ND								
	Mfgrs:	PANASONIC ECJ-3YF1A106Z TAIYO YUDEN GMK325F106ZH								
.1	6702-33P0-00	CAP,33PF,50V,5%,COH,C0402	1.00000000	EA	R	0.00	0	0	C13	17
	Mfgrs:	TAIYO YUDEN UMK105CH330GJW								

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.1	6702-3P30-01	CAP,3.3PF,16V,+/-0.1PF,COH,C0402	1.00000000	EA	R	0.00	0	0	C9	18
	Mfgrs:	TAIYO YUDEN EVK105CH3R3JW								
.1	6702-4P70-00	CAP,4.7PF,16V,5%,COH,C0402	3.00000000	EA	R	0.00	0	0	C22,C23,C28	19
	Mfgrs:	TAIYO YUDEN EVK105CH4R7JW								
.1	67A4-22U0-00	CAP,22UF,35V,10%,TANT-E,SMD	3.00000000	EA	R	0.00	0	0	C2,C3,C4	20
	Vends:	MOUSER Mouser Electronics, Inc. 74-293D35V22								
	Mfgrs:	VISHAY/DALE 293D226X9035E2T								
.1	6702-100P-01	CAP,100PF,25V,5%,NP0,C0402	3.00000000	EA	R	0.00	0	0	C17,C25,C27	21
	Mfgrs:	KEMET C0402C101J3GAC								
.1	6702-U100-01	CAP,0.1UF,10V,10%,X5R,C0402	1.00000000	EA	R	0.00	0	0	C20	22
	Vends:	JACO JACO LMK105BJ104KV-F								
	Mfgrs:	TAIYO YUDEN RM LMK105 BJ104KV-F								
.1	6702-U022-00	CAP,.022UF,25V,+80/-20,Y5V,C0402	1.00000000	EA	R	0.00	0	0	C21	23
	Mfgrs:	TAIYO YUDEN RM TMK105 F223ZV-F								
.1	6706-U100-00	CAP,.1UF,50V,10%,X7R,C1206	1.00000000	EA	R	0.00	0	0	C5A	24
	Vends:	CAP ASSOC Capacitor Associates MA1206XR104K500								
	Mfgrs:	DIGIKEY Digi-Key 311-1179-1-ND								
.1	6702-P700-00	CAP,0.7PF,16V,+/-0.1PF,COH,0402	1.00000000	EA	R	0.00	0	0	C35	25
	Mfgrs:	TAIYO YUDEN RV EVK105 CH0R7BW-F								
.1	6703-1U00-00	CAP,1UF,16V,10%,X5R,C0603	1.00000000	EA	R	0.00	0	0	C7	26
	Mfgrs:	TAIYO YUDEN EMK212BJ105KG								
.1	6702-1P00-00	CAP,1.0PF,16V,+/-0.1PF,COH,0402	1.00000000	EA	R	0.00	0	0	C16	27
	Mfgrs:	TAIYO YUDEN RV EVK105 CH010BW-F								
.1	67D4-150U-00	CAP,150UF,10V,20%,POLY TAN,SMD	3.00000000	EA	R	0.00	0	0	C1,C6,C12	28
	Vends:	MOUSER Mouser Electronics, Inc. 581-TPSD157M010R0050								
	Mfgrs:	AVX TPSD157M010R0050								
	KEMET	T520D157M010AS								
.1	68A1-100R-00	RES,100,1/16W,1%,TF,C0402	1.00000000	EA	R	0.00	0	0	R5	29
	Vends:	MOUSER Mouser Electronics, Inc. 71-CRCW0402-100								
	Mfgrs:	VISHAY/DALE CRCW0402100RFKTD								
.1	68A2-10R0-00	RES,10.0,1/16W,1%,TF,C0603	1.00000000	EA	R	0.00	0	0	R7	30
	Vends:	MOUSER Mouser Electronics, Inc. 71-CRCW0603-10								
	Mfgrs:	VISHAY/DALE CRCW060310R0FKTA								
.1	68A1-221R-00	RES,221,1/16W,1%,TF,C0402	1.00000000	EA	R	0.00	0	0	R4	31
	Vends:	MOUSER Mouser Electronics, Inc. 71-CRCW0402-221								
	Mfgrs:	VISHAY/DALE CRCW0402221RFKTD								
.1	68A1-22K1-00	RES,22.1K,1/16W,1%,TF,C0402	1.00000000	EA	R	0.00	0	0	R2	32
	Vends:	MOUSER Mouser Electronics, Inc. 71-CRCW0402-22.1K								
	Mfgrs:	VISHAY/DALE CRCW040222K1FKTD								
.1	68A1-82K0-00	RES,82.0K,1/16W,1%,TF,C0402	1.00000000	EA	R	0.00	0	0	R3	33
	Vends:	MOUSER Mouser Electronics, Inc. 71-CRCW0402-82K								
	Mfgrs:	VISHAY/DALE CRCW040282K0FKTD								
.1	68A1-10R0-00	RES,10.0,1/16W,1%,TF,C0402	2.00000000	EA	R	0.00	0	0	R6,R8	34
	Vends:	MOUSER Mouser Electronics, Inc. 71-CRCW0402-10								
	Mfgrs:	NIC NRC04F10R0TR								
	VISHAY/DALE	CRCW040210R0FKTD								
.1	68A1-R000-00	RES,0,1/16W,1%,TF,C0402	1.00000000	EA	R	0.00	0	0	R2A	35
	Mfgrs:	NIC NRC04FZ0TR								

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.1	68A1-20R0-00	RES,20.0,1/16W,1%,TF,C0402	1.00000000	EA	R	0.00	0	0	R11	36
	Vends:	MOUSER Mouser Electronics, Inc.	71-CRCW0402-20							
	Mfgrs:	NIC NRC04F20R0TR								
		VISHAY/DALE CRCW040220R0FKTD								
.1	68A1-430R-00	RES,430,1/16W,1%,TF,C0402	2.00000000	EA	R	0.00	0	0	R9,R13	37
	Vends:	MOUSER Mouser Electronics, Inc.	71-CRCW0402-430							
	Mfgrs:	VISHAY/DALE CRCW0402430RFKTD								
.1	6502-1N60-00	IND,1.6NH,5%,700mA,0603 COIL-	1.00000000	EA	R	0.00	0	0	L6	38
		CRAFT P/N:0603CS-1N6XJBW								
	Mfgrs:	COILCRAFT 0603CS-1N6XJBW								
.1	6505-33U0-00	IND,33UH,0.97A,30%,CDRH6D28	1.00000000	EA	R	0.00	0	0	L3	39
		308-1230-1-ND								
	Vends:	DIGIKEY Digi-Key	308-1230-1-ND							
	Mfgrs:	SUMIDA CORPORATION CDRH6D28-330NC								
.1	6505-10U0-00	IND,10UH,1.70A,30%,CDRH6D28	1.00000000	EA	R	0.00	0	0	L1	40
		308-1224-1								
	Vends:	DIGIKEY Digi-Key	308-1224-1-ND							
	Mfgrs:	SUMIDA CORPORATION CDRH6D28-100NC								
.1	6502-10N0-00	IND,10nH,300MA,5%,C0603	1.00000000	EA	R	0.00	0	0	L5	41
	Mfgrs:	TAIYO YUDEN HK160810NJ								
.1	6502-1N50-00	IND,1.5nH,300MA,+/-0.3NH,C0603	2.00000000	EA	R	0.00	0	0	L7,L8	42
	Mfgrs:	TAIYO YUDEN HK16081N5S								
.1	6502-4N70-01	IND,4.7NH,5%,700mA,0603,COIL-	1.00000000	EA	R	0.00	0	0	L4	43
		CRAFT P/N:0603CS-4N7XJBW								
.1	6224-0011-00	CONN,SMA,JACK(F),ENDLAUNCH,	1.00000000	EA	R	0.00	0	0	J1	44
		GOLD,PCB pin length .187								
	Vends:	DIGIKEY Digi-Key	J610-ND							
		MOUSER Mouser Electronics, Inc.	530-142-0701-871							
	Mfgrs:	JOHNSON COMPONENTS INC. 142-0701-871								
.1	6224-0012-00	CONN,MMCX ENDLAUNCH	1.00000000	EA	R	0.00	0	0	J3	45
	Vends:	DIGIKEY Digi-Key	J603-ND							
	Mfgrs:	JOHNSON COMPONENTS INC 135-3711-801								
.1	6225-0028-00	CONN,10PIN,STACKER,2R,.05IN,	1.00000000	EA	R	0.00	0	0	J2	46
		.200H,.150 POST								
	Mfgrs:	SAMTEC FW-05-02-G-D-200-150								
.1	4900-0023-01	THERMOCONDUCTIVE PAD FOR TX630	4.00000000	EA	B	0.00	0	0	2 STACKED ON EA SIDE	47
		1"x 0.25" PIECE								
..2	4900-0023-00	GAP FILLER PAD,300GR-M,3mm THK	0.01250000	SHT	R	0.00	0	0		1
		FUJIPOLY, 200mmX300mm SHEET								
	Vends:	FRALOCK2 FRALOCK-ORANGE								
	Mfgrs:	FUJIPOLY AMERICA GR-M-3.0-200.0-300.0								

Notes : 80 PER SHEET

Notes : Corrected for R2,R3 & R4 for 0402 size - 08/20 & L7,L8 instead  
of L10 & L11 - 8/21