

Item	Reference Designator	Description	MFG	MFG P/N
1	ASP	HDR 4x2 ML V 0.1"CTR .093BD Au HT NPb TH	AMP	67997-208HLF
2	AUX_IO BC CFG1 CFG2 CFG3 CFG4 CFG5 C1FM CS DIN1 DIN2 FS GND1 GND2 GND13 GND14 GND19 GND21 GND22 GND23 GND26 GND27 GND30 GND31 GND37 GND38 GND39 GND40 GND41 GND42 GND43 GND44 GND45 GND48 GND49 MCLK RST SCK SDI/SDA SDO/SCL VDD_5V VDD_A VDD_IO	HDR 1X1 ML 0.093 BRD 0.1"TAIL GLD NPb TH	AMP	77311-801-01LF
3	C1 C2 C4 C5 C25 C26 C329 C330 C370 C371 C372 C373	CAP 220UF ±20% 35V AL-ELEC CASE CL	NICHICON	UCV1V221MCL1GS
4	C3 C6	CAP 100pF ±1% 50V C0G NPb 0603	KEMET	CBR06C101F5GAC
5	C8 C16 C27 C29 C39 C41 C47 C48 C78 C80 C83 C86 C223 C234 C242 C250 C251 C262 C422	CAP 0.1uF ±5% 25V X7R NPb 0603	KEMET	C0603C104J3RAC
6	C10 C13 C14 C221 C222 C232 C254	CAP 12pF ±5% 50V C0G NPb 0603	MURATA	QH-GRM1885C1H120JA01D
7	C15 C18	CAP 1000pF ±1% 50V C0G NPb 0603	TDK	C1608C0G1H102F080AA
8	C17 C28 C30 C42 C43 C46 C49 C239 C243 C249 C260 C263	CAP 10uF ±20% 35V X5R NPb 0603	MURATA	GRM188R6YA106MA73J
9	C19 C32 C37	CAP 4.7uF ±10% 16V X7R NPb 0603	MURATA	GRM188Z71C475KE21D
10	C20 C21	CAP 1200pF ±5% 50V C0G NPb 0603	TDK	C1608C0G1H122J080AA
11	C22 C31 C33 C57 C59 C65 C67 C70 C322 C323	CAP 100uF ±20% 35V AI ELEC NPb RAD	WURTH ELEKTRONIK	865080545012
12	C23 C24 C336 C337	CAP 2400pF ±5% 50V C0G 0603	KEMET	C0603C242J5GAC7867
13	C34 C35	CAP 22uF ±20% 16V X5R NPb 0603	SAMSUNG	CL10A226MO7JZNC
14	C36 C38	CAP 0.01uF ±10% 16V X7R NPb 0603	MURATA	GRM188R71C103KA01D
15	C40 C44 C50 C74 C79	CAP 1uF ±10% 16V X7R NPb 0603	KEMET	C0603C105K4RAC
16	C52 C71 C267 C270	CAP 1800pF ±1% 50V C0G 0603i	MURATA	GCM1885C1H182FA16J
17	C247 C248 C264 C265 C302 C304	CAP 620pF ±1% 100V C0G NPb 0603	MURATA	GCM1885C2A621FA16J
18	C252 C279 C301 C303	CAP 1500pF ±5% 50V C0G NPb 0603	MURATA	GRM1885C1H152JA01D
19	CFG_ISO	HDR 4x3 ML .1"CTR 062 S GLD NPb	SAMTEC	TSW-104-07-G-T
20	CLK_GEN_SRC J26 J27 J29 J30 MCLK_SRC	HDR 3x2 ML V 0.1"CTR .093BD Au HT NPb TH	AMP	67997-206HLF
21	D8 D9	DIO TVS 17V 24VWM DFN1006-2	NEXPERIA	PESD24VF1BLYL
22	DCJ1 DCJ2 DCJ3 DCJ4	HDR30X2 HI-SPD ML 0.8mm POLY-PAD NPb SM	SAMTEC	ERM8-030-05.0-S-DV-K-TR
23	GND4 GND8 GND17 GND47	CON TEST PT .1"CTR TIN PLATE NPb BLK	KEYSTONE	5001
24	J14	JACK PHNE RA FML 3COND 6CONT 6.35MM SM	AMPHENOL	ACJS-MHOM
25	L1 L2 L3	FE BEAD 1.7A 330OHM .08DCR NPb 0603	MURATA	QH-BLM18KG331SN1
26	LNK-ASP_SRC2 LNK-CFG_ISO	CON SHUNT 4X2 0.1"CTR BLACK NPb	SAMTEC	MNT-104-BK-G
27	LNK-CLK_GEN_SR LNK-J26 LNK-J27 LNK-J29 LNK-	CON SHUNT 2P 0.1"CTR YELLOW NPb	SAMTEC	SNT-100-YW-G
28	MH3 MH4	SPACER M2.5X10mm INSET F/F THR STEEL NPb	WURTH ELEKTRONIK	9774100151R
29	R1 R6 R7 R8 R9 R12 R13 R14 R15 R16 R17 R18 R19 R20 R49 R67 R69 R70 R74 R87 R99 R100 R101 R102 R110 R115 R148 R163 R165 R173 R174 R280 R334 R343 R379 R397 R401 R439	RES 0 OHM 1/10W NPb 0603 FILM	DALE	CRCW06030000Z0EA
30	R2 R92 R94	RES 33 OHM 1/10W ±5% NPb 0603 FILM	DALE	CRCW060333R0JNEA
31	R3 R4 R10 R11 R21 R22 R23 R24 R25 R28 R29 R71 R75 R85 R117 R118 R122 R123 R182 R186 R187 R390	RES 10k OHM 1/10W ±1% NPb 0603 FILM	DALE	CRCW060310K0FKEA
32	R37 R54 R108 R131 R132 R154 R155 R338 R339 R340 R341 R345 R381 R383 R449 R450	RES 100 OHM 1/10W ±0.1% NPb 0603	SUSUMU	RG1608P-101-B-T5
33	R51 R136 R268 R393 R394 R395 R396 R398 R399 R400 R404 R413	RES 330 OHM 1/10W ±0.1% NPb 0603 THIN FILM	PANASONIC	ERA-3AEB331V
35	R93 R107 R266 R388	RES 1.5K OHM 1/10W ±0.1% THIN NPb 0603	PANASONIC	NS-ERA-3AEB152V

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DO NOT POPULATE				
36	R134 R138 R380 R382 R403 R412 R440 R441	RES 1.2K OHM 1/10W ±0.1% NPb 0603 THIN FILM	PANASONIC	ERA-3AEB122V
37	R185	RES 4.7k OHM 1/10W ±5% NPb 0603 FLM	DALE	CRCW06034K70JNEA
38	U3	IC OPAMP AUDIO 80MHZ NPb SOIC8	TEXAS INSTRUMENTS	OPA1611AID
39	U4 U7 U22 U24 U41	IC OPAMP AUD 2 CRCT RR SOIC8	TEXAS INSTRUMENTS	OPA1656ID
40	U5	IC CRS HIGH PERF 2CH DAC QFN48	CIRRUS LOGIC	CS4302P-CNR/A0
41	U12	IC SWITCH ANALOG 4PDT NPb HXQFN16	NXP	NX3DV2567HR,115
42	U13	IC EEPROM 512Kb SER 1MHz NPb UDFN8	ATMEL	AT24C512C-MAHM-E
43	Y2	OSC XO 22.5792MHZ 30ppm 1.71V-3.63V SMD4	KYOCERA	KC3225Z22.5792C15XXK
44	Y3	OSC XO 24.576MHZ 20ppm 1.71V-3.63V SMD4	KYOCERA	KC3225Z24.5760C1KX00
45	ZZ98	PCB	CIRRUS LOGIC	240-11806/B0
46	C7 C185	CAP 0.01uF ±10% 16V X7R NPb 0603	MURATA	NP-GRM188R71C103KA01D
47	C9 C11 C12 C235	CAP 12pF ±5% 50V COG NPb 0603	MURATA	NP-QH-GRM1885C1H120JA01D
48	C45 C69	CAP 1uF ±10% 16V X7R NPb 0603	KEMET	NP-C0603C105K4RAC
49	C51	CAP 4.7uF ±10% 16V X7R NPb 0603	MURATA	NP-GRM188Z71C475KE21D
50	C53 C54 C56 C58	CAP 1200pF ±5% 50V COG NPb 0603	TDK	NP-C1608C0G1H122J080AA
51	C55 C60 C61 C62	CAP 330pF ±1% 50V COG NPb 0603	KEMET	NP-C0603C331F5GACTU
52	C63 C64	CAP 39pF ±5% 50V COG NPb 0603	KEMET	NP-C0603C390J5GAC
53	C66 C72 C73 C75 C76 C77 C268 C269	CAP 1800pF ±1% 50V COG 0603i	MURATA	NP-GCM1885C1H182FA16J
54	C68	CAP 0.1uF ±5% 25V X7R NPb 0603	KEMET	NP-C0603C104J3RAC
55	C115	CAP 680pF ±1% 50V COG NPb 0603	KEMET	NP-C0603C681F5GAC
56	C240 C261	CAP 0.015uF ±5% 50V COG NPb 0805	MURATA	NP-GRM2195C1H153JA01D
57	GND3 GND5 GND6 GND7 GND9 GND10 GND11 GND12 GND15 GND16 J7 J8 J11 J16 J143 J144 J145 J146 LDO_A LDO_D VDD_A2 VDD_D VOUT1N VOUT1P VOUT2N VOUT2P VOUT3N VOUT3P VOUT4N VOUT4P	HDR 1X1 ML 0.093 BRD 0.1"TAIL GLD NPb TH	AMP	NP-77311-801-01LF
58	J28	HDR 3X1 ML V 0.093 0.1"CTR Au NPb TH	AMP	NP-77311-801-03LF
59	R5 R39 R43 R44 R45 R46 R47 R48 R58 R106 R114 R116 R135 R137 R169 R170 R223 R229 R230 R313 R335 R337 R353 R354 R369 R423 R454	RES 0 OHM 1/10W NPb 0603 FILM	DALE	NP-CRCW06030000Z0EA
60	R178 R183 R188	RES 10k OHM 1/10W ±1% NPb 0603 FILM	DALE	NP-CRCW060310K0FKEA
61	R184	RES 4.7k OHM 1/10W ±5% NPb 0603 FLM	DALE	NP-CRCW06034K70JNEA
62	U9	IC CRS NOLAN TSMC 55LP TSSOP10	CIRRUS LOGIC	NP-CS2500-DZ/B0
63	Y1	XTL 12.0000MHz 8pF 15ppm SMD4	ECS	NP-ECS-120-8-33Q-RES-TR
64	MH1 MH2 MH5 MH6	SPACER M2.5X10mm INSET F/F THR STEEL NPb	WURTH ELEKTRONIK	NP- 9774100151R