

SideGig-OPA1632EVM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPC	1		Printed Circuit Board		TIDA-01359	Any	-	-
C1, C14	2	10uF	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1210	1210	12103C106KAT2A	AVX		
C2, C6, C15, C19	4	0.1uF	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603	06033C104JAT2A	AVX		
C3, C4, C16, C17	4	10uF	CAP, Film, 10 µF, 63 V, +/- 10%, TH	18x17.5x9mm	B32522C106K	TDK		
C7, C8, C10, C11, C20, C21, C23, C24	8	47pF	CAP, CERM, 47 pF, 50 V, +/- 5%, COG/NP0, 0603	0603	06035A470JAT2A	AVX		
C9, C12, C22, C25	4	150pF	CAP, CERM, 150 pF, 50 V, +/- 5%, COG/NP0, 0603	0603	06035A151JAT2A	AVX		
C13, C26	2	3300pF	CAP, CERM, 3300 pF, 50 V, +/- 5%, COG/NP0, 0805	0805	GRM2165C1H332JA01D	MuRata		
H1, H2, H3, H4	4		MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40, 1/4 inch	PMSSS 440 0025 PH	B&F Fastener Supply		
H5, H6, H7, H8	4		Standoff, Threaded, 1.5", 4-40, Aluminum	1/4 Round Female Standoff	3483	Keystone		
J1, J12	2		XLR Receptacle and 1/4" Phone Jack, 8-Pin, TH	TH, 8-Leads, Body 27x37mm	NCJ6FI-H	Neutrik		
J2	1		RCA Jack, Vertical, White, TH	RCA JACK, WHITE	RCJ-023	CUI Inc.		
J3	1		RCA Jack, Vertical, Blue, TH	RCA Jack, Vertical, Blue, TH	RCJ-025	CUI Inc.		
J4, J5, J9, J10, J15, J16, J20, J21	8		SMA Straight PCB Socket Die Cast, 50 Ohm, TH	SMA Straight PCB Socket Die Cast, TH	5-1814832-1	TE Connectivity		
J6, J8, J17, J19, J23	5		Header, 2.54mm, 3x1, Tin, TH	Header, 2.54mm, 3x1, TH	68001-403HLF	FCI		
J7, J18	2		Header, 2.54mm, 2x1, TH	Header, 2.54mm, 2x1, TH	961102-6404-AR	3M		
J11, J22	2		Connector, 3 pole male receptacle, TH	Connector, 3 pole male receptacle, TH	NC3MD-V-BAG	Neutrik		
J13	1		RCA Jack, Vertical, Red, TH	RCA JACK, RED	RCJ-022	CUI Inc.		
J14	1		RCA Jack, Vertical, Black, TH	RCA Jack, Vertical, Black, TH	RCJ-021	CUI Inc.		
J24	1		Connector, Banana Jack, Double, Black Base, 15A, TH	1380x1220x630	2269-0	Pomona Electronics		
J25	1		Header, 100mil, 14x2, Gold, TH	14x2 Header	TSW-114-07-G-D	Samtec		
J26	1		Receptacle, 100mil, 2x1, Tin, TH	Receptacle, 2x1, 100mil, Tin	PPTC021LFBN-RC	Sullins Connector Solutions		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W	THT-14-423-10	Brady	-	-
R1, R2, R11, R12	4	7.50k	RES, 7.50 k, 0.1%, 0.1 W, 0603	0603	RG1608P-752-B-T5	Susumu Co Ltd		
R3, R4, R6, R7, R13, R14, R16, R17	8	30.0k	RES, 30.0 k, 0.1%, 0.1 W, 0603	0603	RG1608P-303-B-T5	Susumu Co Ltd		
R5, R8, R15, R18	4	10.0k	RES, 10.0 k, 0.1%, 0.1 W, 0603	0603	RG1608P-103-B-T5	Susumu Co Ltd		
R9, R10, R19, R20	4	100	RES, 100, 1%, 0.1 W, 0603	0603	CRCW0603100RFKEA	Vishay-Dale		
R21, R22	2	0	RES, 0, 5%, 0.1 W, 0603	0603	CRCW0603000Z0EA	Vishay-Dale		
SH1, SH2, SH3, SH4, SH5	5	1x2	Shunt, 100mil, Gold plated, Black		382811-6	AMP		
TP1, TP2	2		Test Point, Compact, White, TH	White Compact Testpoint	5007	Keystone		
TP3	1		Test Point, Compact, Black, TH	Black Compact Testpoint	5006	Keystone		
U1, U2	2		High-Performance, Fully-Differential AUDIO OPERATIONAL AMPLIFIER, DGN0008D	DGN0008D	OPA1632DGNR	Texas Instruments	OPA1632DGN	Texas Instruments
C5, C18	0		CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports	Used in BOM report	Used in BOM report	-	-
FID1, FID2, FID3, FID4, FID5, FID6	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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