

BILL OF MATERIALS for Audio NanoEVM

TI-SEMICONDUCTORS

ITEM	DESCRIPTION	REFERENCE DESIGNATORS	QTY	MANUFACTURER	MANU:PART NUM	VENDOR	VENDOR PART NUM	ALT PART NUM
1	1.4 W MONO FILTER-FREE CLASS-D AUDIO AMP, SON8-DRB	PA1	1	TEXAS INSTRUMENTS	TPA2006D1DRBR	TEXAS INSTRUMENTS	TPA2006D1DRBR	NO ALT PART NUM
2	2.5 W MONO FILTER-FREE CLASS-D AUDIO AMP, WCSP9-YZF	PA2	1	TEXAS INSTRUMENTS	TPA2010D1YZFR	DIGI-KEY	296-16648-2	296-16648-2
3	2.1 W STEREO FILTER-FREE CLASS-D AUDIO AMP, WCSP16-YZH	PA8	1	TEXAS INSTRUMENTS	TPA2012D2YZHR	DIGI-KEY	296-18665-2	296-18665-1
4	2.75 W FIXED GAIN MONO AUDIO AMP, WCSP9-YZF	PA3	1	TEXAS INSTRUMENTS	TPA2032D1YZFR	DIGI-KEY	296-20659-2	296-20659-1
5	2.75 W FIXED GAIN MONO AUDIO AMP, WCSP9-YZF	PA4	1	TEXAS INSTRUMENTS	TPA2033D1YZFR	DIGI-KEY	296-20660-2	296-20660-1
6	2.75 W FIXED GAIN MONO AUDIO AMP, WCSP9-YZF	PA5	1	TEXAS INSTRUMENTS	TPA2034D1YZFR	DIGI-KEY	296-20661-1	296-20661-2
7	80mW CAP-FREE STEREO HEADPHONE DRIVER, WCSP16-YZH	PA9	1	TEXAS INSTRUMENTS	TPA4411YZHR	DIGI-KEY	296-18666-2	296-18666-1
8	1.7 W MONO FULLY DIFFERENTIAL AUDIO POWER AMP, SON8-DRB	PA6	1	TEXAS INSTRUMENTS	TPA6204A1DRBR	DIGI-KEY	296-17059-2	296-17059-1
9	1.25 W MONO FULLY DIFFERENTIAL AUDIO AMP, BGA8-ZQV	PA7	1	TEXAS INSTRUMENTS	TPA6205A1ZQVR	TEXAS INSTRUMENTS	TPA6205A1ZQVR	NO ALT PART NUM

CAPACITORS

ITEM	DESCRIPTION	REFERENCE DESIGNATORS	QTY	MANUFACTURER	MANU:PART NUM	VENDOR	VENDOR PART NUM	ALT PART NUM
10	CAP 1000PFD 25V CERM 0201 X7R	C5, C6, C11, C12, C17, C18, C23, C24, C29, C30, C45, C46		PANASONIC	ECJ-ZEB1E102K	DIGI-KEY	PCC2130TR	PCC2130CT
		C48, C50	14	PANASONIC	ECJ-ZEB1E102K	DIGI-KEY	PCC2130TR	PCC2130CT
11	CAP 0.1UFD 6.3V CERM 0201 X5R	C2, C3, C4, C8, C9, C10, C14, C15, C16, C20, C21, C22, C26		PANASONIC	ECJ-ZEBOJ104M	DIGI-KEY	PCC2336TR	PCC2336CT
		C27, C28, C31, C32, C33, C35, C36, C37, C38, C40, C41, C42		PANASONIC	ECJ-ZEBOJ104M	DIGI-KEY	PCC2336TR	PCC2336CT
		C43, C44, C49, C54, C57	30	PANASONIC	ECJ-ZEBOJ104M	DIGI-KEY	PCC2336TR	PCC2336CT
12	CAP 1.0UFD 10V CERM 0402 X5R	C1, C7, C13, C19, C25, C34, C39, C47, C52, C53	10	PANASONIC	ECJ-0EB1A105M	DIGI-KEY	PCC2364TR	PCC2364CT
13	CAP 2.2UFD 10V CERM 0603 X7R	C51, C55, C56	3	MURATA ELECTRONICS	GRM188R71A225KE15D	DIGI-KEY	490-4520-2	490-4520-1

RESISTORS

ITEM	DESCRIPTION	REFERENCE DESIGNATORS	QTY	MANUFACTURER	MANU:PART NUM	VENDOR	VENDOR PART NUM	ALT PART NUM
14	RES 20K OHM 1/20W 1% SMD 0201	R9, R10, R11, R12	4	PANASONIC	ERJ-1GEF203C	DIGI-KEY	P20KABTR	P20KABCT
15	RES 40.2K OHM 1/20W 1% SMD 0201	R6, R7	2	ROHM	MCR006YZPF4022	DIGI-KEY	RHM40.2KABTR	RHM40.2KABCT
16	RES 100K OHM 1/20W 1% SMD 0201	R3, R8	2	ROHM	MCR006YZPF1003	DIGI-KEY	RHM100KABTR	RHM100KABCT
17	RES 150K OHM 1/20W 1% SMD 0201	R1, R2, R4, R5	4	ROHM	MCR006YZPF1503	DIGI-KEY	RHM150KABTR	RHM150KABCT

INDUCTORS

ITEM	DESCRIPTION	REFERENCE DESIGNATORS	QTY	MANUFACTURER	MANU:PART NUM	VENDOR	VENDOR PART NUM	ALT PART NUM
18	FERRITE BEAD 120 OHMS 1.2A SM0402	FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9, FB10, FB11		TDK CORPORATION	MPZ1005S121C	DIGI-KEY	445-2981-2	445-2981-1
		FB12, FB13, FB14	14	TDK CORPORATION	MPZ1005S121C	DIGI-KEY	445-2981-2	445-2981-1

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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