

Appendix D TLV320AIC3106EVM Bill of Materials

The complete bill of materials for the modular TLV320AIC3106EVM is provided as a reference.

Table 7. TLV320AIC3106EVM Bill of Materials

QTY	Value	Ref Des	Description	MFG	MFG Part No.
2	0	R8, R9	1/4W 5% Chip Resistor	Panasonic	ERJ-8GEY0R00V
10	100	R14–R23	1/10W 1% Chip Resistor	Panasonic	ERJ-3EKF1000V
2	2.2k	R6, R7	1/4W 5% Chip Resistor	Panasonic	ERJ-8GEYJ222V
3	2.7K	R11–R13	1/10W 5% Chip Resistor	Panasonic	ERJ-3GEYJ272V
1	100K	R10	1/10W 5% Chip Resistor	Panasonic	ERJ-3GEYJ104V
5	NI	R1–R5	Chip Resistor	Not Installed	—
10	47 nF	C35–C44	50V Ceramic chip capacitor, ±10%, X7R	TDK	C1608X7R1H473K
7	0.1 µF	C12–C17, C34	16V Ceramic Chip Capacitor, ±10%, X7R	TDK	C1608X7R1E104K
10	0.1 µF	C4–C11, C21, C22	100V Ceramic Chip Capacitor, ±10%, X7R	TDK	C3216X7R2E104K
8	10 µF	C1–C3, C23–C27	6.3V Ceramic Chip Capacitor, ±10%, X5R	TDK	C3216X5R0J106K
6	47 µF	C28–C33	6.3V Ceramic Chip Capacitor, ±20%, X5R	TDK	C3225X5R0J476M
2	NI	C19, C20	Ceramic Chip Capacitor	Not Installed	—
1	NI	C18	Ceramic Chip Capacitor	Not Installed	—
1		U1	Audio Codec	Texas Instruments	TLV320AIC3106IZQE
1		U2	3.3V LDO Voltage Regulator	Texas Instruments	REG1117-3.3
1		U3	64K I2C EEPROM	MicroChip	24AA64-I/SN
7		J1–J4, J8–J10	Screw Terminal Block, 2 Position	On Shore Technology	ED555/2DS
3		J5, J11, J12	Screw Terminal Block, 3 Position	On Shore Technology	ED555/3DS
2		J6, J7	3,5 mm Audio Jack, T-R-S, SMD	CUI Inc.	SJ1-3515-SMT
			or alternate	KobiConn	161-3335-E
4		J13A, J14A, J16A, J17A	20 Pin SMT Plug	Samtec	TSM-110-01-L-DV-P
4		J13B, J14B, J16B, J17B	20 pin SMT Socket	Samtec	SSW-110-22-F-D-VS-K
1		J15A	10 Pin SMT Plug	Samtec	TSM-105-01-L-DV-P
1		J15B	10 pin SMT Socket	Samtec	SSW-105-22-F-D-VS-K
1		N/A	TLV320AIC3106EVM PWB	Texas Instruments	6487980
10		JMP2, JMP3, JMP9, JMP13–JMP19	2 Position Jumper, 0.1" spacing	Samtec	TSW-102-07-L-S
5		JMP4–JMP8	Bus Wire (18-22 Gauge)	—	—
2		JMP1, JMP20	3 Position Jumper, 0.1" spacing	Samtec	TSW-103-07-L-S
3		JMP10–JMP12	3 × 2 Position Header, 0.1" spacing	Samtec	TSW-103-07-L-D
1		MK1	Omnidirectional Microphone Cartridge	Knowles Acoustics	MD9745APZ-F
1		SW1	4PDT Right Angle Switch	E-Switch	EG4208
45	Not Installed	TP1–TP39, TP42–TP47	Miniature Test Point Terminal	Keystone Electronics	5000
2		TP40, TP41	Multipurpose Test Point Terminal	Keystone Electronics	5011
15		N/A	Header Shorting Block	Samtec	SNT-100-BK-T

ATTENTION: All components should RoHS compliant. Some part number may be either leaded or RoHS. Verify purchased componets are RoHS compliant.