

Appendix D TLV320AIC3105EVM Bill of Materials

The complete bill of materials for the modular TLV320AIC3105EVM is provided in [Table 8](#).

Table 8. TLV320AIC3105EVM Bill of Materials

QTY	Value	Ref Des	Description	Mfr	Mfr 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	TLV320AIC3105IZQE
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	J1A, J14A, J16A, J17A		20 Pin SMT Plug	Samtec	TSM-110-01-L-DV-P
4	J1B, 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		TLV320AIC3105EVM 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 be RoHS compliant. Some part numbers may be either leaded or RoHS. Verify purchased components are RoHS compliant.