



Bill of Materials for the STK551U3A2AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R4	1	Resistor	0Ω	-	1608	KOA	RK73Z1JTTD	No	Yes
R5, R6	2	Resistor	10kΩ/±1%	1%	1608	KOA	RK73H1JTTD1002F	Yes	Yes
R7-12	6	Resistor	100Ω/±1%	1%	1608	KOA	RK73H1JTTD1000F	Yes	Yes
R13-18	6	Resistor	3.3kΩ/±1%	1%	1608	KOA	RK73H1JTTD3301F	Yes	Yes
C1, C2	2	Aluminum electrolytic capacitor	470uF/450V	20%	Radial, Can - Snap-In	Nippon Chemi-Con	EKMM451VSN471MA50S	Yes	Yes
C3	1	Film capacitor	2.2uF/630V/±5%	5%	Through Hole	PANASONIC	ECQE6225JT	Yes	Yes
C4-C6	3	Aluminum electrolytic capacitor	47uF/50V	20%	Radial	Nippon Chemi-Con	EKMG500ELL470MF11D	Yes	Yes
C7-C10	4	Chip (1608 size)	0.1uF/±10%	10%	1608	MURATA MANUFACTURING	GRM188B31H104K	Yes	Yes
C11	1	Aluminum electrolytic capacitor	220uF/35V	20%	Radial	Nippon Chemi-Con	EKMG350ELL221MHB5D	Yes	Yes
C12-17	6	Chip (1608 size)	100pF/±5%	5%	1608	MURATA MANUFACTURING	GRM1882C1H101J	Yes	Yes
CN1	1	Connector	20pin/2.54pitch	-	2.54 pitch	HIROSE ELECTRIC	A2-20PA-2.54DSA	Yes	Yes
VSS, Vext, VDD, ISO, ISD, RCIN, TH, FAULT	14(16)	Pin(small)	20pin/2.54pitch	-	2.54 pitch	HIROSE ELECTRIC	A2-20PA-2.54DSA	Yes	Yes
LIN3, LIN2, LIN1, HIN3, HIN2, HIN1, (VSS2, Minus), U, V, W, +, -	5	Pin(large)	-	-	-	Various	Various	Yes	Yes
IC1	1	IC	SIP1A/1shunt	-	-	ON Semiconductor	STK551U3A2A-E	No	Yes

Note: IC is Included with, but NOT mounted on board.