



Bill of Materials for the AMIS492X0GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R7, R10, R11, R24, R25	1	Resistor	0 ohm, 1/4W	5%	SMD, 1206	Vishay Draloric	CRCW12060000Z0EA	Yes	Yes
R17	1	Resistor	8.2 ohm, 1/4W	1%	SMD, 1206	Multicomp	MCMR12W8R20FTL	Yes	Yes
R1, R4, R15	1	Resistor	10 ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW1206010RFKEA	Yes	Yes
R16	1	Resistor	511 ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW1206511RFKEA	Yes	Yes
R19	1	Resistor	1K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW12061K00FKEA	Yes	Yes
R6	1	Resistor	2K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW12062K00FKEA	Yes	Yes
R18	1	Resistor	5.11K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW12065K11FKEA	Yes	Yes
R14, R21	1	Resistor	49.9K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW120649K9FKEA	Yes	Yes
R2	1	Resistor	51.1K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW120651K1FKEA	Yes	Yes
R20	1	Resistor	100K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW1206100KFKEA	Yes	Yes
R3, R5	1	Resistor	249K ohm, 1/4W	1%	SMD, 1206	Vishay Draloric	CRCW1206249KFKEA	Yes	Yes
R8, R9, R12, R13, R22, R23	0	DNP	-	-	SMD, 1206	-	-	-	-
C7	1	Ceramic Capacitor	22pF, 50V	5%	SMD, 1206	Kemet	C1206C220J5GACTU	Yes	Yes
C5, C9	1	Ceramic Capacitor	47pF, 50V	5%	SMD, 1206	Kemet	C1206C470J5GACTU	Yes	Yes
C6	1	Ceramic Capacitor	150pF, 50V	5%	SMD, 1206	Kemet	C1206C151J5GACTU	Yes	Yes
C8	1	Ceramic Capacitor	220pF, 50V	5%	SMD, 1206	Kemet	C1206C221J5GACTU	Yes	Yes
C3	1	Ceramic Capacitor	330pF, 50V	5%	SMD, 1206	Kemet	C1206C331J5GACTU	Yes	Yes
C1, C2	1	Ceramic Capacitor	1000pF, 50V	5%	SMD, 1206	Kemet	C1206C102K5RACTU	Yes	Yes
C12	1	Ceramic Capacitor	3300pF, 50V	5%	SMD, 1206	Kemet	C1206C332K5RACTU	Yes	Yes
C10, C13	1	Ceramic Capacitor	0.1uF, 25V	5%	SMD, 1206	Kemet	C1206C104K3HACTU	Yes	Yes
C4	1	Tantalum Capacitor	1uF, 16V	20%	SMD, 1206	Kemet	T491A105K016AT	Yes	Yes
C11	1	Tantalum Capacitor	22uF, 20V	10%	SMD, 3528	Kemet	T491C226K020AT	Yes	Yes
U2	1	Diode	DUAL, 70V	-	SOT-23	ON Semiconductor	BAV99LT1G	No	Yes
D1, D2, D3, D4	1	Schottky Diode	100V, 1A	-	DO-214AA, SMB	ON Semiconductor	MBRS1100T3G	No	Yes
D5	1	Zener Diode	5.1V, 225MW	-	SOT-23	ON Semiconductor	BZX84C5V1LT1G	No	Yes
Q1, Q3	1	Transistor	PNP, 60V	-	SOT-23	ON Semiconductor	MMBT2907ALT1G	No	Yes
Q2, Q4	1	Transistor	NPN, 40V	-	SOT-23	ON Semiconductor	MMBT3904LT1G	No	Yes
U1	1	IC	-	-	44 PIN LQFP	ON Semiconductor	AMIS-49200-XTP	No	Yes
JP1	1	Connector Header	2 x 4, .1" CENTERS	-	Through hole	Samtec	TSW-104-07-T-D	Yes	Yes
J1, J3	1	Connector Header	1 x 2, .1" CENTERS	-	Through hole	Samtec	TSW-102-07-T-S	Yes	Yes
J2	1	Connector Header	2 POSITION	-	Through hole	Phoenix Contact	1755736	Yes	Yes
TP1, TP2, TP3, TP4	1	Wirepoint	1 POSITION	-	Through hole	Samtec	TSW-101-07-T-S	Yes	Yes