



Bill of Materials for the AXDBG-2-GEVK Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
B3, B4	2	FERRITE BEAD	33 Ohms @ 100MHz		L0603	Samsung Electro-Mechanics America, Inc	CIB10P330NC	Yes	Yes
C102, C105, C107, C108, C109	5	CERAMIC CAPACITOR	0,1µF	±5%	C0402	Murata Electronics North America	GRM155R71C104JA88D	Yes	Yes
C2, C3	2	CERAMIC CAPACITOR	27pF	±5%	C0402	Murata Electronics North America	GRM1555C1E270JA01D	Yes	Yes
C9, C12, C100, C101, C103, C104, C106	7	CERAMIC CAPACITOR	4,7µF	±10%	C0603	Murata Electronics North America	GRM188R60J475KE19J	Yes	Yes
IC1	1	IC USB HS DUAL UART/FIFO	-	-	LQFP64	FTDI, Future Technology Devices International Ltd	FT2232HL	No	Yes
IC2	1	IC EEPROM 1KBIT SPI 2MHZ	-	-	SO-08	Microchip Technology	93LC46B/SN	No	Yes
JP6	1	Jumper	-	-	-	-	-	Yes	Yes
LED1	1	Green LED	-	-	LED0603	-	-	Yes	Yes
LED2	1	Red LED	-	-	LED0603	-	-	Yes	Yes
Q1	1	CRYSTAL 12.0000MHZ 18PF SMD	12MHz	±50ppm	HC49/US	Abracon LLC	ABLS-12.000MHZ-B4-T	Yes	Yes
R1, R9	2	RESISTOR SMD	2,2 kOhms	±5%	R0402	Yaego	RC0402JR-072K2L	Yes	Yes
R2, R3, R4, R10	4	RESISTOR SMD	10 kOhms	±5%	R0402	Yaego	RC0402JR-0710KL	Yes	Yes
R5	1	RESISTOR SMD	12 kOhms	±5%	R0402	Yaego	RC0402JR-0712KL	Yes	Yes
R6	1	RESISTOR SMD	1 kOhms	±5%	R0402	Yaego	RC0402JR-071KL	Yes	Yes
R7, R8	2	RESISTOR SMD	220 Ohms	±5%	R0402	Yaego	RC0402JR-07220RL	Yes	Yes
REG1	1	VOLTAGE REGULATOR	3.3V 300mA	-	SOT23-5	Texas Instruments	LM2985-3.3V	Yes	Yes
REG2	1	VOLTAGE REGULATOR	3.5V 450mA Or 3.6V 500mA	0.1V	SOT23-5	ON Semiconductor Or Microchip Technology	NCP161ASN350T1G - 3.5V Or MIC5219-3.6YM5-TR - 3.6V	Yes	Yes
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17	17	TEST POINT ON PCB					Test Point	-	Yes
U1	1	IC BUF NON-INVERT	3.6V		SOT23-5	Texas Instruments	74AUP1G125DBVR	Yes	Yes
USB	1	USB CABLE	-	-	-	-	-	Yes	Yes
X1	1	CONN HEADER SMD	-	-	-	-	HM-2X52MM-SMD-SOCKET	Yes	Yes
X2	1	CONN HEADER SMD	-	-	-	Samtec	FTSH-105-01-F-DV-K	Yes	Yes