



Bill of Materials for the ALS-GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C2,C3,C11,C31	4	Ceramic Capacitor	10uF,16V	20%	0805	Würth Elektronik	885012107014	Yes	Yes
C4	1	Ceramic Capacitor	0.1uF,16V	10%	0603	Würth Elektronik	885012206046	Yes	Yes
J14	1	12 Positions Header, Unshrouded Connector 0.100" (2.54mm) Right Angle Gold	-	-	Through-Hole	Würth Electronics	61301221021	Yes	Yes
J20	1	DNP	DNP	DNP	DNP	Würth Electronics	61300211121	Yes	Yes
R1,R2,R3,R19,R2	5	SMD Resistor	10K, 0.1 W	1%	0603	Vishay Dale	CRCW060310K0FKEA	Yes	Yes
R69	1	SMD Resistor	0E, 0.1W	Jumper	0603	Yageo	RC0603JR-070RL	Yes	Yes
U1	1	Ambient Light Sensor	-	-	CUDFN6	ON Semiconductor	NOA1305CUTAG	No	Yes
U22	1	I2C I/O EXPANDER	-	-	WQFN24	ON Semiconductor	PCA9655EMTTXG	No	Yes