



Bill of Materials for the TS-GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C2	1	SMD Ceramic Capacitor	10uF,16V	±10%	1206	Würth Electronics	885012208041	Yes	Yes
C4	1	SMD Ceramic Capacitor	1uF,16V	±10%	0603	Würth Electronics	885012206052	Yes	Yes
C5	1	SMD Ceramic Capacitor	4pF,16V	±0.25pF	01005	TDK Corporation	C0402C0G1C040C020BC	Yes	Yes
C6	1	SMD Ceramic Capacitor	100nF,16V	±10%	0603	Würth Electronics	885012206046	Yes	Yes
C7,C31	2	SMD Ceramic Capacitor	10uF,16V	±20%	0805	Würth Electronics	885012107014	Yes	Yes
D2,D3,D4,D5,D6,D7,D8,D9	8	SMD Clear LED	GREEN LED	-	0603	Würth Electronics	150060VS75000	Yes	Yes
D10	1	SMD Clear LED	RED LED	-	0603	Würth Electronics	150060RS75000	Yes	Yes
J7,J15	2	3 Positions Header Connector	-	-	0.100" (2.54mm)	Würth Electronics	61300311121	Yes	Yes
J9,J10,J11,J13	4	2 Positions Header Connector	-	-	0.100" (2.54mm)	Würth Electronics	61300211121	Yes	Yes
J14	1	12 Positions Header Connector (Right Angle)	-	-	0.100" (2.54mm)	Würth Electronics	61301221021	Yes	Yes
J20	DNP	DNP	DNP	DNP	0.100" (2.54mm)	Würth Electronics	61300211121	Yes	Yes
R2,R3	2	0.1W SMD Resistor	3.3K	±1%	0603	Yageo	RC0603FR-073K3L	Yes	Yes
R4,R17,R19,R20,R29,R30,R31,R32	8	0.1W SMD Resistor	10K	±1%	0603	Vishay Dale	CRCW060310K0FKEA	Yes	Yes
R8,R21,R22,R23,R24,R25,R26,R27,R28	9	0.1W SMD Resistor	1K	±1%	0603	Yageo	RC0603FR-071KL	Yes	Yes
R9,R18,R69	3	0.1W SMD Resistor	0E	Jumper	0603	Yageo	RC0603JR-070RL	Yes	Yes
SW3	1	Tactile Switch SPST-NO Top Actuated Surface Mount	SW PUSHBUTTON-SPST-2	-	6.20mm x 6.20mm	Würth Electronics	430182043816	Yes	Yes
SW10,SW11,SW12,SW13,SW14,SW15,SW16,SW17	8	CAP-SENSE PCB SWITCH	PCB-SW	-	-	-	-	Yes	Yes
TP1,TP2	2	-	TEST POINT	-	-	-	-	Yes	Yes
TP3,TP4	2	-	TEST POINT	-	-	-	-	Yes	Yes
U1	1	Capacitance-Digital-Converter	LC717A00AR	-	VCT-28	ON Semiconductor	LC717A00AR-NH	No	Yes
U22	1	16 Bit I/O Port Expander	PCA9655E	-	QFN-24	ON Semiconductor	PCA9655EMTTXG	No	Yes
NA	3	2 Position Jumper	Shorting Jumper	-	0.100" (2.54mm)	Würth Electronics	60900213421	Yes	Yes