



Bill of Materials for the LC72717PWGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC	1	FM Multiplex Broadcast Receiver (DARC)	-	-	SQFP64	ON Semiconductor	LC72717PW	No	Yes
Xtal	1	Crystal Resonator	7.200MHz	±30ppm	5.0mm x 3.2mm	DAISHINKU	DSX530GA(F) CL=8.0p	Yes	Yes
C1	1	Bypass Capacitor	0.1μ,16V	±10%	0603	Murata	GRM188B11C104KA01	Yes	Yes
C2	1	Decoupling	100μF,16V	±20%	radial	SUN Electronic	16ME100HC	Yes	Yes
C3	1	Decoupling	3.3μF,50V	±20%	radial	SUN Electronic	50ME3R3HC	Yes	Yes
C4	1	Decoupling	10μF,16V	±20%	radial	SUN Electronic	16ME10HC	Yes	Yes
C5-C8	4	Noise reduction	1μ,6.3V	±10%	0603	Murata	GRM188B10J105KA01	Yes	Yes
C9	1	Bypass Capacitor	0.1μ,16V	±10%	0603	Murata	GRM188B11C104KA01	Yes	Yes
C10	1	DC coupling	330pF,50V	±10%	0603	Murata	GRM188B11H331KA01	Yes	Yes
C11	1	Bypass Capacitor	0.1μ,16V	±10%	0603	Murata	GRM188B11C104KA01	Yes	Yes
C12	1	DC coupling	560pF,50V	±10%	0603	Murata	GRM188B11H561KA01	Yes	Yes
C13-C14	2	External capacitor for oscillator	22pF,50V	±5%	0603	Murata	GRM1882C1H220JA01	Yes	Yes
C15-C17	3	Bypass Capacitor	0.1μ,16V	±10%	0603	Murata	GRM188B11C104KA01	Yes	Yes
R1-R4	4	Pull-up /Pull down Resistor	10KΩ,0.1W	±1%	0603	ROHM	MCR03ERT1002	Yes	Yes
R5	1	Pull-up Resistor	5.1KΩ,0.1W	±1%	0603	ROHM	MCR03ERT5101	Yes	Yes
R6-R7	2	Pull down Resistor	10KΩ,0.1W	±1%	0603	ROHM	MCR03ERT1002	Yes	Yes
R8-R9	2	for current limiting	1.3KΩ,0.1W	±1%	0603	ROHM	MCR03ERT1301	Yes	Yes
R10-R17	8	Pull down Resistor	10KΩ,0.1W	±1%	0603	ROHM	MCR03ERT1002	Yes	Yes
R18-R20	3	Pull down Resistor	10KΩ,0.1W	±1%	0603	ROHM	MCR03ERT1002	Yes	Yes
RST,STNBY	3	Switch			4.5mm x 7.0mm	Nihon Kaiheiki	G-12AP	Yes	Yes
SP	1	Switch			4.5mm x 7.0mm	Nihon Kaiheiki	G-22AP	Yes	Yes
FLOCK,BLOCK	2	LED	75mW,30mA		0805	ROHM	SML-212U2T(A)	Yes	Yes
J4-J5	2	Inductor	22μH	±10%	1210	Murata	LQH32CH220K23L	Yes	Yes
J6-J7	2	Jumper	0Ω	0.5mΩMax	1210	ROHM	PMR25	Yes	Yes