

# [ML7671RD3-EVK-001] BOM



Designator	Value	Size	Part Number	Maker	Mounted	Note	Quantity
C1, C5	N.M.	0603(JIS)	-	-	-	-	2
C2, C10	0.1uF	0603(JIS)	GRM033R61C104KE18#	Murata	○	16Vdc,10%	2
C4, C9	2.2uF	0603(JIS)	GRM035R61C225ME01#	Murata	○	16Vdc,20%	2
C19, C20	N.M.	0603(JIS)	-	-	-	-	2
C6, C7	560pF	0603(JIS)	GRM033R71C561KA01#	Murata	○	16Vdc,10%	2
C8, C12	0.47uF	0603(JIS)	GRM033R60J474KE90#	Murata	○	6.3Vdc,10%	2
C11, C14	6pF	0603(JIS)	GRM0335C1H6R0BA01#	Murata	○	50Vdc,1%	2
C13	1nF	0603(JIS)	GRM033B11E102KA01#	Murata	○	25Vdc,10%	1
C15	1nF	0603(JIS)	GRM0335C1E102FA01#	Murata	○	25Vdc,1%	1
C16	47pF	0603(JIS)	GRM0335C1H470FA01#	Murata	○	50Vdc,1%	1
C17	N.M.	0603(JIS)	-	-	-	-	1
C18	47uF	2012(JIS)	GRM21BR61A476ME15#	Murata	○	10Vdc,20%	1
C21	18pF	1005(JIS)	GRM1555C1H180FB01D#	Murata	○	50Vdc,1%,matching	1
C22, C23	100pF	0603(JIS)	GRM0335C1H101FA01#	Murata	○	50Vdc,1%	2
C24	N.M.	1005(JIS)	-	-	-	-	1
C25, C26	N.M.	1005(JIS)	-	-	-	-	2
C27	820pF	1005(JIS)	GRM1555C1H821GB01D	Murata	○	50Vdc,1%	1
C28	120pF	1005(JIS)	GRM1555C2A121GE01#	Murata	○	100Vdc,2%,matching	1
C29	18pF	1005(JIS)	GRM1555C1H180FB01D#	Murata	○	50Vdc,1%,matching	1
C30	N.M.	1005(JIS)	-	-	-	-	1
C31	N.M.	1608(JIS)	-	-	-	-	1
CN4	2-Pin Header	2-Pin(Pitch=2mm, φ=1.0mm)	PH2-1X2SBG	-	○	-	1
CN2	2-Pin Header	2-Pin(Pitch=2.54mm, φ=1.0mm)	PH-1x2SG	-	○	-	1
CN1	6-Pin Header	6-Pin(Pitch=1.27mm)	XB-1-5-6P	-	-	-	1

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FB1, FB2	-	1005(JIS)	BLM15AG100SN1D	Murata	○	-	2
CN3	8-Pin Header	8-Pin(Pitch=2.54mm)	PH-1x8SG	-	○	-	1
L1	6.8uH	2mm × 1.6mm	DFE201610E-6R8M=P2#	Murata	○	-	1
L2	240nH	2mm × 1.2mm	DFE21CCNR24MELL1	Murata	○	-	1
LED	-	1mm × 1mm	SMLP34RGB1W3C	Rohm	○	3-color LED	1
Q1	-	SOT-323T	RSF014N03	Rohm	○	-	1
R1, R2, R6	2.2kΩ	1005(JIS)	MCR01MZPJ222	Rohm	○	0.063W, ± 5%, Pull-up	3
R3, R4, R5	1.8kΩ	1005(JIS)	MCR01MZPJ182	Rohm	○	0.063W, ± 5%, Pull-up	3
R7	0Ω	1005(JIS)	RK73Z1ERTTP	KOA	○	-	1
R8	51Ω	1005(JIS)	MCR01MZPJ510	Rohm	○	0.063W, ± 5%	1
R9	510Ω	1005(JIS)	MCR01MZPJ511	Rohm	○	0.063W, ± 5%	1
R10	220mΩ	1.2mm × 2.0mm	LTR10LEZPFLR220	Rohm	○	1W, ± 1%	1
R11	N.M.	1005(JIS)	-	-	-	-	1
SB1、 SB3	Solderbridge Shorted	-	Solderbridge Shorted	-	-	-	2
SB8	Solderbridge	-	Solderbridge	-	-	-	1
SHUTDOWN1, TP1, TP2, TP3, TP4, VPP1, WAKEUP1	Small Pad	φ=0.5mm	-	-	-	-	7
Tx-Coil1	Pattern Coil	11.5mm × 8mm	-	-	-	-	1
U1	-	6mm × 6mm,QFN	ML7671-61XGD	Rohm	○	WQFN-40pin Configuration data for ref68022 is built in	1
X1	-	1.2mm × 1.0mm	CX1210SB27120B0FLKC2	Kyocera	○	-	1

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