

# [ML7670RD3-EVK-001] BOM



Designator	Value	Size	Part Number	Maker	Mounted	Note	Quantity
C1	15pF	1005(JIS)	GRM1555C2A150GE01D	Murata	○	100Vdc,2%,matching	1
C2	100pF	1005(JIS)	GRM1555C1H101FB01D	Murata	○	50Vdc,1%,matching	1
C3	12pF	1005(JIS)	GRM1555C2A120GE01D#	Murata	○	100Vdc,2%,matching	1
C4	27pF	1005(JIS)	GRM1555C1H270FB01D	Murata	○	50Vdc,1%,matching	1
C5	15pF	1005(JIS)	GRM1555C2A150GE02#	Murata	○	100Vdc,2%,matching	1
C6	2.2uF	0603(JIS)	GRM035R61C225ME01#	Murata	○	16Vdc,20%,Bypass capacitor	1
C7	47pF	0603(JIS)	GRM0335C1H470FA01#	Murata	○	50Vdc,1%,VDD_IO Bypass capacitor	1
C8	0.47uF	0603(JIS)	GRM033R60J474KE90#	Murata	○	6.3Vdc,Bypass capacitor	1
C9	2.2uF	0603(JIS)	GRM035R61C225ME01#	Murata	○	16Vdc,20%,Bypass capacitor	1
C12	1uF	0603(JIS)	GRM033R61C105ME15#	Murata	○	16Vdc,20%,Bypass capacitor	1
C13	0.1uF	0603(JIS)	GRM033R61C104KE18#	Murata	○	16Vdc,Bypass capacitor	1
C14	N.M.	0603(JIS)	-	-	-	-	1
CN1	4-Pin header	2.54mm pitch	-	-	○	-	1
D1	-	SOD-962	RB532HS-30	Rohm	○	Shotkey_Diode,30V/200mA/0.25~0.43V	1
D2	-	SOD-962	RB532HS-30	Rohm	○	Shotkey_Diode,30V/200mA/0.25~0.43V	1
D3	-	SOD-962	RB532HS-30	Rohm	○	Shotkey_Diode,30V/200mA/0.25~0.43V	1
D4	-	SOD-962	RB532HS-30	Rohm	○	Shotkey_Diode,30V/200mA/0.25~0.43V	1
Q	-	DFN1010-3W	RV8L002SNHZG	Rohm	○	MOSFET for MCSEL0 switching	1
R19	10kΩ	0603(JIS)	MCR03JZH103	Rohm	○	0.1W, ± 5%, Pull-up	1

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R20	10kΩ	0603(JIS)	MCR03JZH103	Rohm	○	0.1W, ± 5%, Pull-up	1
Rx-Coil1	Pattern Coil	11.5mm × 7mm	-	-	-	-	1
T1	Small Pad	-	-	-	-	MCSEL0, Through hole	1
CN3	2-Pin Header	2-Pin(Pitch=2.54mm, φ=1.0mm)	PH-1x2SG	-	○	-	1
CN2	6-Pin Header	6-Pin(Pitch=1.27mm)	XB-1-5-6P	-	-	-	1
T9	Small Pad	-	-	-	-	3.3VOUT, Through hole	1
T10	Small Pad	-	-	-	-	VSS, Through hole	1
T11	Small Pad	-	-	-	-	SDA, Through hole	1
T12	Small Pad	-	-	-	-	SCL, Through hole	1
T13	Small Pad	-	-	-	-	INT, Through hole	1
T14	Small Pad	-	-	-	-	RFDET, Through hole	1
U1	-	WLCSP30(2.28mm × 2.56mm)	ML7670-61XHB	Rohm	○	S-UFLGA30-2.28 × 2.56-0.40-W Configuration data for ref68022 is built in	1
U2	-	1.60mm x 0.90mm	BQ25101	TI	○	DSBGA-6	1
R1	2.2k	1005(JIS)	MCR01MZP2201	Rohm	○	0.063W, ± 5%, Pull-up	1
R2	6.2K	1005(JIS)	MCR01MZP6201	Rohm	○	0.063W, ± 5%, Pull-up	1
C10	1uF	0603(JIS)	GRM033R61C105ME15#	Murata	○	16Vdc, 20%, Bypass capacitor	1

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