ML7660-EVK-002 BOM

Designator	Value	Size	Part Number	Maker	Mounted	Note	Qty
C1, C9, C14	0.47uF	0603(JIS)	GRM033R60J474KE90#	Murata	○	6.3Vdc,10%,Bypass capacitor	3
C2	N.M.	2012(JIS)	-	-	-	-	1
C3, C5, C8	2.2uF	0603(JIS)	GRM033R61A225KE47#	Murata	○	10Vdc,10%,Bypass capacitor	3
C4	47pF	0603(JIS)	GRM0335C1H470FA01#	Murata	○	50Vdc,1%, VDD_IO Bypass capacitor	1
C6	47pF	0603(JIS)	GRM0335C1H470FA01#	Murata	○	50Vdc,1%,Bypass capacitor	1
C7	470pF	0603(JIS)	GRM033R11C471KA01#	Murata	○	16Vdc,10%,	1
C10	0.1uF	0603(JIS)	GRM033R61C104KE18#	Murata	○	16Vdc,10%,Bypass capacitor	1
C11	22pF	1005(JIS)	GRM1555C2A220GA01#	Murata	○	100Vdc,±2%,C0G,matching	1
C12	120pF	1005(JIS)	GRM1555C2A121GE01#	Murata	○	100Vdc,±2%,C0G,matching	1
C13	47pF	1005(JIS)	GRM1555C2A470GA01#	Murata	○	100Vdc,±2%,C0G,matching	1
C15, C16	33pF	1005(JIS)	GRM1555C2A330GA01#	Murata	○	100Vdc,±2%,C0G,matching	2
C17	47uF	2012(JIS)	GRM21BR61A476ME15#	Murata	-	10Vdc,20%	1
C18	N.M.	1005(JIS)	-	-	-	-	1
D1, D2, D3, D4	-	SMD1006	RB061QS-20	Rohm	○	Schottky_Diode	4
FTDI-IF1	9-Pin Header	9-Pin(Pitch=1.27mm)	XB-1-5-9P	-	-	-	1
L1	N.M.	1005(JIS)	-	-	-	-	1
MOSFET1	-	SOT-457T	QS6M4TR	Rohm	○	Nch+Pch MOSFET	1
Q1	-	SOT-23	RK7002BMT116	Rohm	○	MOSFET for MCSEL0 switching	1
R1	N.M.	1005(JIS)	-	-	-	-	1
R2, R3, R8, R11, R12	0Ω	1005(JIS)	RK73Z1ERTTP	KOA	○	-	5
R4	2.2kΩ	1005(JIS)	MCR01MZPJ222	Rohm	○	0.1W,±5%	1
R5	1Ω	1005(JIS)	MCR01MZPJ1R0	Rohm	○	0.1W,±5%	1
R6, R10	10kΩ	1005(JIS)	MCR01MZPJ103	Rohm	○	0.1W,±5%	2
R7	1kΩ	1005(JIS)	MCR01MZPJ102	Rohm	○	0.1W,±5%	1
R9	510Ω	1005(JIS)	MCR01MZPJ511	Rohm	○	0.1W,±5%	1
Rx-Coil1	Pattern Coil	-	-	-	-	-	1
SR1, SR2	12P(0.5mm Pitch)-Receptacle	W=11.1mm, H=2.0mm	FH52K-12S-0.5SH	Hirose	○	CL0580-4629-0-00	2
TP1	Small Pad	φ=1.0mm	-	-	-	P_ANT	1
TP2	Small Pad	φ=1.0mm	-	-	-	INT_S	1
TP3	Small Pad	φ=1.0mm	-	-	-	RFDET	1
TP4	Small Pad	φ=1.0mm	-	-	-	SDA_M	1
TP5	Small Pad	φ=1.0mm	-	-	-	SCL_M	1
TP6	Small Pad	φ=1.0mm	-	-	-	DEBUG	1
TP7	Small Pad	φ=1.0mm	-	-	-	GND	1
U1	-	WQFN32(5mm x 5mm)	ML7660-NN0GD	Rohm	○	Sample Software for ref67011 is built in	1
U2	-	SSON004X1010 (1.0mm x 1.0mm x 0.6mm)	BU33TD2WNVX	Rohm	○	1Ch 200mA CMOS LDO Regulator	1

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