


Board:		RBB_MCU_V2.2		
Date:		02.04.2020		
QTY	Fitted/DNP	Designator	Value	Footprint / Part Number / Manufacturer
35	Fitted	C1, C2, C3, C4, C7, C9, C10, C13, C14, C22, C27, C40, C41, C44, C45, C48, C49, C52, C53, C54, C55, C58, C59, C62, C63, C66, C67, C68, C69, C72, C73, C74, C75, C78, C79	CAP CER 10µF 6.3V X6S	0402 / GRM155C80J106ME11D / Murata
39	Fitted	C5, C6, C11, C12, C16, C17, C18, C19, C20, C21, C23, C24, C25, C26, C28, C29, C30, C31, C33, C42, C43, C46, C47, C50, C51, C56, C57, C60, C61, C64, C65, C70, C71, C76, C77, C80, C81, C82, C83	CAP CER 100nF 16V X7R	0402 CL05B104KO5NNNC / Samsung
2	Fitted	C8, C15	CAP CER 12PF 10V NP0	0402 /C0402C120J8GAC7867 / Kemet
1	Fitted	C32	CAP CER 10PF 10V C0G/NP0	0402 / 885012005007 / Würth
1	Fitted	D1	TVS DIODE 5.3V 15V TSFP-3	SOT-723 / ESD5V3U2U03FH6327XTSA1 /Infineon
1	Fitted	D2	LED RGB CLEAR 4SMD	0606 / APTF1616LSEEZGKQBKC / Kingbright
1	DNP	J1	HEADER SMD 10POS 1.27mm	FTSH-105-01-L-DV-K / Samtec
1	Fitted	L1	FIXED IND 10µH 1.28A 228 MOHM	1212 / LQH3NPN100MMEL / Murata
7	Fitted	L2, L44, L45, L47, L53, L54, L56	FERRITE BEAD 120 OHM	0402 / MMZ1005S121CT000 / TDK
5	Fitted	L3, L40, L43, L49, L52	FERRITE BEAD 600 OHM	0402 / MMZ1005B601CT000 / TDK
11	DNP	L41, L42, L46, L48, L50, L51, L55, L57, R2, R3, R5	FERRITE BEAD	0402
1	Fitted	P1	USB2.0 MICRO B SMD	10118193-0001LF / Amphenol
2	DNP	P2, P3	Header THT 1x14	Header, 14-Pin
4	Fitted	P40, P41, P42, P43	CONN RCPT 20POS SMD GOLD	CON-F-SMD-DF40C-20DS-0.4V(51) / Hirose
14	Fitted	R1, R8, R40, R41, R44, R46, R47, R48, R49, R53, R54, R55, R56, R57	Res 10k 0402	0402
3	Fitted	R4, R6, R10	Res 0R 0402	0402
1	Fitted	R7	Res 1M 0402	0402
1	Fitted	R9	Res 5k6 0402	0402
2	Fitted	R11, R13	Res 680R 0402	0402
1	Fitted	R12	Res 3k3 0402	0402
6	Fitted	R42, R43, R45, R50, R51, R52	Shunt Res 0.1R 1% 0603	0603
1	Fitted	U1	LDO 3.3V 450MA	4-XDFN/ NCP161AMX330TBG / On semi
1	Fitted	U2	IC MCU 32BIT 2MB FLASH ARM M7	LFBGA144 / ATSAMS70Q21B-CN / Atmel
2	Fitted	U40, U45	LDO 3.3V 250MA	4-XDFN/ NCP163AMX330TBG / On semi
4	Fitted	U41, U44, U47, U49	SN74AVC4T245RSVR	SN74AVC4T245RSVR-Hatvan
2	Fitted	U42, U46	LDO 1.5V 250MA	4-XDFN/ NCP163AMX150TBG / On semi
2	Fitted	U43, U48	LDO 1.8V 250MA	4-XDFN/ NCP163AMX180TBG / On semi
1	Fitted	Y1	CRYSTAL 12.0000MHZ 8PF SMD	3225 / NX3225SA-12.000M-STD-CRS-2 / NDK