

Revision : 20/07/2020 PCB2550-1-210-00 CARTE : K320414A : ANTENNA MODULE Customer : NXP Done by ASSYSTCH-EA				NXP Semiconducteurs 2, Esplanade Anton Philips BP 2000 - COLOMBELLES 14906 CAEN CEDEX 9				
Item Number	Quantity	Part Number	Part Reference	Value	PCB Footprint	Designation	MANUFACTURER REFERENCE	
1	1		1	BUBBLE-01	BUBBLE DIAMS	Printed Circuit Board : K320414A (NXP : PCB Antenna + Connector uFL)	PCB2550-1	
2	1	0-00-0ANT MOD JN518x	ANT1	NC	pcb ant apps	!!! COPPER PRINTED BOARD !!!		
3	2	0-00-306046A	C1, C19	10nF	C0805	Capacitor 0805 10nF 10% 10V X7R (-55° C+125° C)	MURATA (GRM21BR71A106KA73L)	
4	3	0-00-305250A	C10, C11, C13	100nF	C0402	Capacitor 0402 100nF 5% 10V X7R (-55° C+125° C)	MURATA (GRM155R71A1041A01#)	
5	2	0-00-300164C	C12, C14	47nF	C0402	Capacitor 0402 47nF 5% 25V COG/NPO (-55° C+125° C)	MURATA (GRM1555C1E4701A01)	
6	2	0-00-3NC CD402	C20, C21	NC	C0402	!!! NOT CONNECTED !!!		
7	1	0-00-300040A	C24	1.2nF	C0402	Capacitor 0402 1.2nF +/-0.1pF 50V	MURATA (GRM1555C1H1R2BA01D)	
8	1	0-00-305251	C25	2.0nF	C0402	Capacitor 0402 2.0nF +/-0.1pF 50V		
9	2	0-00-2MIRE FID NC	FID1, FID2	NC	FID1	!!! Not Connected !!!		
10	1	0-00-201187A	I1	SMC uFL	SMC-uFL-R-SMT	Coaxial Connector SMC (uFL)	HIROSE (U,FL-R-SMT-1(10)), Hirose Electric Co Ltd (U,FL-R-SMT-1(10)), HRS (HIROSE) (U,FL-R-SMT-1(10))	
11	1	0-00-002246A NC	I1	4.7uH NC	IND CB 2518 2520	!!! NOT CONNECTED !!! Inductor 1008/2520 4.7uH 800mA(Max) 380mOhms(Max) 20%	TAIYO YUDEN (OHRMK2520H4R7M)	
12	1	PN-1QW15AN3N3B	I2	3.3nH	SELF 0402	Inductor 0402 3.3nH +/-0.1nH 2A, Ron DC=30mOhms, Q=30, Resonance Freq=14.0 Ghz (-55° C to 125° C)	MURATA (LQW15AN3N3B)	
13	1		I4	2.2uH	0805C IPCC	Inductor Power Shielded Multi-Layer 2.2uH 20% 2MHz Ferrite 0.6A 0.2080hm DCR 0805 T/R	MLZ2012M2R2HT000	
14	1	0-00-2LYREM0DJN518x 31 NC	IY1	NC	LYRE 31PTS CARRIER	!!! Not Connected !!!	NXP	
15	9	0-00-3NC R0402	R2, R4, R7, R8, R9, R10, R11, R14, R15	NC	R0402	!!! NOT CONNECTED !!!	-	
16	2	0-00-301956	R3, R5	0R	R0402	Resistor 0402 0R - - -		
17	1	NC-0-00-204898	SH1	SHIELD-13, 7X14, 1	Shield-13mm7x14mm1	!!! NOT CONNECTED !!! SHIELD : 13.7MM x 14.1MM	NXP	
18	1	0-00-404672	I1	JN5189 40	SOT618-1 HVQFN40 050 JN518x	Integrated Circuit JN5189 (QFN40)	NXP (K32W0414A)	
19	1	0-00-403987 NC	X1	32.768Khz NC	NX3215SA	!!! NOT CONNECTED !!! Crystal 32.768 KHz +/-20ppm (Automotive version) (Load Cap. 12.5pF) (-40° C to 125° C)	NDK (NX3215SA-32.768K-STD-MUS-2)	
20	1	0-00-404675	X2	32.768Khz	NX2012SA	Crystal 32.768 KHz +/-20ppm (Automotive version) (Load Cap. 6.0pF) (-40° C to 125° C)	NDK (NX2012SA 32.768KHZ EXS00A-MU01089 6pF)	
21	1	0-00-404674	Y1	32.000Mhz	NX2016SA	Crystal 32 MHz +/-40ppm (Automotive version) (Load Cap. 6.0pF) (-40° C to 125° C)	NDK (NX2016SA 32MHz EXS00A-CS11213 6PF)	
22	1	0-00-301956	R12	0R	R0805	Resistor 0805 0R - - -		
23	1		JP1	BARx3	con 1x3 SMT TMM cav 2-3	SAMTEC - TMM-103-01-T-S-SM - HEADER, 2.0MM, SMT, 1X3WAY,with BUBBLE05		
24	2	0-00-301956	R13, R16	100K	R0402	Resistor 0402 0R - - -		