

Révision date : 10/10/2016 SPIL reference : I-F3295-C NXP ref : OM15061_JN5179 PCB ANTENNA MODULE_M10 Customer : NXP Done by SPIL	NXP Semiconducteurs 2, Esplanade Anton Philips BP 2000 - COLOMBELLES 14906 CAEN CEDEX 9
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Note : the yellow cells show the alternative components references that can be used in production.

Item	Quantity	RefDes	Value	Orientation	X(um)	Y(um)	Designation	PCBFootprint	Manufacturer P/N	Manufacturer	SPIL P/N
1	1	C2	1p8F	180	10984.7	6465.2	CER CHIP C 1.8pF ±0.25pF NP0 0402 50V	C0402	CC0402CRNPO9BN1R8	YAGEO	07-300052-01
							CER CHIP C 1.8pF ±0.25pF C0G 0402 50V	C0402	GRM1555C1H1R8CA01D	MURATA	07-300053-01
2	5	C3 C6 C7 C9 C13	100nF	270 0 270 180 90	10418.2 8842.1 8079 3112.6 2062.2	4494.4 3735 2476.7 11212.6 8105.1	CER CHIP C 0.1uF 10% X5R 0201 6.3V	C0201	GRM033R60J104KE19D	MURATA	07-010401-01
3	1	C4	47pF	270	11104.1	4494.4	CER CHIP C 47pF 5% C0G 0201 50V	C0201	GRM0335C1H470JA01D	MURATA	07-047002-02
4	1	C5	10nF	270	8918.5	2481.3	CER CHIP C 0.01uF 10% X7R 0201 10V	C0201	GRM033R71A103KA01D	MURATA	07-010302-01
5	2	C8 C14	12pF	270 90	7279.1 3861	2614.2 1958.8	CER CHIP C 12pF 5% C0G 0201 25V	C0201	GRM0335C1E120JA01D	MURATA	07-012001-01
							CER CHIP C 12pF 5% C0G 0201 50V	C0201	GRM0335C1H120JA01D	MURATA	07-012003-02
6	1	C16	10uF	270	2614.4	2808.7	CER CHIP C 10uF 20% X5R 0402 6.3V	C0402	GRM155R60J106ME44D	MURATA	07-300085-01
							CER CHIP C 10uF 20% X5R 0402 10V	C0402	GRM155R61A106ME21D	MURATA	07-010614-02
7	1	R1	43K_1%	180	10901.7	3568.4	CHIP RES 43k 1% 200PPM 0201 1/20W	R0201	RC0201FR-0743KL	YAGEO	14-200107-01
8	1	R2	NC								
9	1	R3	0	315	13982.1	11063.8	CHIP RES 0R 5% 200PPM 0201 1/20W	R0201	RR0306S-000-XNH	Cyntec	14-100000-03
							CHIP RES 0R 5% 200PPM 0201 1/20W L/F	R0201	RC0201JR-070RL	YAGEO	14-100000-01
10	1	R4	NC								
11	1	SH1	SHIELD	270	8235	7250	Metal Lid Shield	shield_5179M06	TBD	TSC	42-100053-01
12	1	Y1	OSC_32MHz	0	5618.6	2292.9	CRYSTAL_SMD4 2.0*1.6mm_10PPM_32MHz_10pF	xtal_2016_s4	EXS00A-CS07977	NDK	39-400016-01
13	1	IC1	JN5179	90	6169.2	7500.1	IC SOC Zigbee JN5179	qfn_jn5179_44p	JN5179	NXP	51-037602-01
14	2	C1 C18	1p2F	180 180	12572.5 12562.7	8122.5 10709.2	CER CHIP C 1.2pF ±0.25pF C0G 0402 50V	C0402	GRM1555C1H1R2CA01D	MURATA	07-001015-01
15	1	L1	3n9H	270	12277.4	6825.6	INDUCTOR_0402_3.9nH_±0.1nH	L0402	LQP15MN3N9B02D	MURATA	20-103012-01
16	1	L2	1.5nH	180	11009.1	5547.9	INDUCTOR_0402_1.5nH_±0.1nH	L0402	LQP15MN1N5B02D	MURATA	20-200039-01
17	1	L4	2.7nH	270	12989	9414.1	INDUCTOR_0402_2.7nH_±0.1nH	L0402	LQP15MN2N7B02D	MURATA	20-102015-01

Project: JN5179 M10 (14.5mm x 20.5mm)				
Change Information				
Date	Version	Change List	RD	
18/03/2016	V1	Initial	BenchyTsai	
29/03/2016	V1.1	Y1 Xtal size 1612 to 2016	BenchyTsai	
21/04/2016	V1.2	Add 2 32MHz XTAL PN	BenchyTsai	
10/05/2016	V1.3	Y1 : add XTAL 2016 NDK & MURATA (already used)	S. Morel (Caen)	
16/06/2016	V1.4	Add component XY location	BenchyTsai	
05/07/2016	V1.5	L1:3.3nH->3.9nH	BenchyTsai	
05/07/2016	V1.6	Change alternative components	J. Le Touzey (NXP)	

