

Révision date : 11/10/2016 SPIL reference : I-F3296-C NXP ref : OM15062_JN5179 HP & µFI MODULE_M16 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	CON1	uFL	90	18786.3	12234.4	CONN SMD Coaxial DC-6G U.FL-R-SMT-1(80) SMD4	smc-uf1-r-smt	U.FL-R-SMT-1(80)	HIROSE	40-300008-01
2	2	C1	1p8F	0	13005.7	6674.5	CER CHIP C 1.8pF ±0.25pF NP0 0402 50V	C0402	CC0402CRNPO9BN1R8	YAGEO	07-300052-01
		C2		180	10382	5940.5	CER CHIP C 1.8pF ±0.25pF C0G 0402 50V	C0402	GRM1555C1H1R8CA01D	MURATA	07-300053-01
3	7	C3	100nF	270	10652.4	4057.5	CER CHIP C 0.1uF 10% X5R 0201 6.3V	C0201	GRM033R60J104KE19D	MURATA	07-010401-01
		C6		270	9086	2300.6					
		C7		270	7909	1976.7					
		C9		180	2412.6	10712.6					
		C11		0	10035	8915.6					
		C13		90	1562.2	7605.1					
		C18		0	10000.2	9789.8					
4	1	C4	47pF	270	10062.5	4057.5	CER CHIP C 47pF 5% C0G 0201 50V	C0201	GRM0335C1H470JA01D	MURATA	07-047002-02
5	1	C5	10nF	270	8498.5	1981.3	CER CHIP C 0.01uF 10% X7R 0201 10V	C0201	GRM033R71A103KA01D	MURATA	07-010302-01
6	2	C8	12pF	270	6797.1	2306.7	CER CHIP C 12pF 5% C0G 0201 25V	C0201	GRM0335C1E120JA01D	MURATA	07-012001-01
		C14		90	3365.1	1588.6	CER CHIP C 12pF 5% C0G 0201 50V	C0201	GRM0335C1H120JA01D	MURATA	07-012003-02
7	3	C10	1nF	180	10035	8334	CER CHIP C 1000pF 10% X7R 0201 25V	C0201	GRM033R71E102KA01D	MURATA	07-010201-01
		C15		180	9996.2	10373					
		C17		270	11569.7	11639.9					
8	1	C12	4.7uF	90	10391	12087.2	CER CHIP C 4.7uF 20% X5R 0402 6.3V	C0402	GRM155R60J475ME47D	MURATA	07-047503-06
9	1	C16	10uF	270	1914.4	2308.7	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
10	4	C19	1pF	270	13086.6	11935.4	CER CHIP C 1pF ±0.25pF C0G 0201 50V	C0201	GRM0335C1H1R0CA01D	MURATA	07-001007-04
		C20		270	14684.5	11938.5					
		C21		90	14836.1	8792.1					
		C22		270	14832.7	10808.3					
11	1	L1	3n6H	270	11680.6	6265	INDUCTOR_0402_3.6nH±0.1nH	L0402	LQP15MN3N6B02D	MURATA	20-103013-01
12	1	L2	3nH	0	10382	5028.8	INDUCTOR_0402_3.0nH±0.1nH	L0402	LQP15MN3N0B02D	MURATA	20-200041-01
13	2	L3	2.7nH	90	14832.7	9800.6	CHIP INDUCTOR 2.7nH ±0.2nH minQ=14 0201	L0201	LQP03TN2N7C02D	MURATA	20-102004-02
		L4		180	13881	11709.9					
14	1	R1	43K_1%	180	8890.7	3281.2	CHIP RES 43k 1% 200PPM 0201 1/20W	R0201	RC0201FR-0743KL	YAGEO	14-200107-01
15	6	R3	1K	90	8722.9	11643.6	RESISTOR_0201_200PPM_1Kohm_1/20W___5%	R0201	232280370102	PHYCOMP	14-110204-02
		R6		270	14239.4	6733.3					
		R7		90	13407.9	3899.2	CHIP RES 1K 1% 200PPM 0201 1/20W	R0201	RC0201FR-071KL	YAGEO	14-110201-01
		R8		180	14298.2	3693.7					
		R9		270	14707.9	4854.8					
		R10		180	4267.9	12515.6					
16	2	R4	47K	90	14120.9	4851.8	RESISTOR_0201_200PPM_47Kohm_1/20W___5%	R0201	232280370473	PHYCOMP	14-147301-03
		R5		270	4460.5	11474.1					
17	1	SH1	SHIELD	270	8235	7250	Metal Lid Shield JN5179	shield_5179M06	42-100053-01	TSC	42-100053-01
18	1	U2	74HC1G02_SOT353	90	6593.3	11862.2	IC Logic 2-input NOR Gate 74AHC1G02GW TSSOP5	sc70_5	74AHC1G02GW	NXP	26-210026-01
19	1	U3	SKY66112-11_0	180	12336.6	9234	IC 2.4 GHz ZigBee Front-End Module	sky66112-11_24p_test	sky66112-11	SKYWORKS	25-300043-01
20	1	Y1	OSC_32MHz	0	5148.9	1846.8	CRYSTAL_SMD4 2.0*1.6mm_10PPM_32MHz_10pF	xtal_2016_s4	EXS00A-CS07977	NDK	39-400016-01
21	1	IC1	JN5179	90	5469.2	7000.1	IC SOC Zigbee JN5179	qfn_jn5179_44p	JN5179	NXP	51-037602-01

Project: JN5179 M16 (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 evaluat	S. Morel (Caen)	
16/06/2016	V1.4	Add component XY location	BenchyTsai	
16/06/2016	V1.5	Change alternative compoenents list	J. Le Tousey (NXP)	

