

BOM

01BRD20204 - 000

Variant : None

PCB ID :	01PCB20204	Ver:	000
Product name :	WPTT Transmitter Board		
Product ID :	01BRD20204	Ver:	000
Customer :	IPTrade		
Created by :	C. Niclaes		
Creation date :	14/10/2014		
Last modified by :	C. Niclaes		
Last modification date :	17/10/2014		

Board Quantity : 1

Rem.	Category	Value	Designator	Qty	Case Style	Description	Manufacturer	Manufacturer PN	Distributor	Supplier 1	Supplier PN 1	Supplier 2	Supplier PN 2	RoHS	Status	Needed Quantity	Quantity delivered
Fitted	1_Resistor	1.5M	R12	1	0402	Resistor 0402 - 1.5M 1% 63mW	MULTICOMP	MC00625W040211M50	Any	Farnell	2141473			YES			1
Fitted	1_Resistor	100k	R9, R11, R19	3	0402	Resistor 0402 - 100k 1% 63mW	Any	Any	Any	Farnell	1358096	Farnell	1469720	Y-EX			3
Fitted	1_Resistor	10k	R10, R13, R14	3	0402	Resistor 0402 - 10k 1% 63mW	Any	Any	Any	Farnell	1358069			Y-EX			3
Fitted	1_Resistor	10k	R5	1	0603	Thermistor 0603 - 10k, Beta 3530	Any	Any	Any	Farnell	3876585			YES			1
Fitted	1_Resistor	120R	R1, R4, R6, R7	4	0402	Resistor 0402 - 120R 1% 63mW	Any	Any	Any	Farnell	1358018			Y-EX			4
Fitted	1_Resistor	1k5	R16	1	0402	Resistor 0401 - 1k5 1% 63mW	MULTICOMP	MC00625W040211K5	Any	Farnell	1358047			Y-EX			1
Fitted	1_Resistor	33R	R20, R21	2	0402	Resistor 0402 - 33R 1% 63mW	MULTICOMP	MC00625W0402133R	Any	Farnell	1358002			Y-EX			2
Fitted	1_Resistor	39k	R3	1	0402	Resistor 0402 - 39k 1% 63mW	MULTICOMP	MC00625W0402139K	Any	Farnell	1358085RL			Y-EX			1
Fitted	1_Resistor	3k	R8	1	0402	Resistor 0402 - 3k 1% 63mW	MULTICOMP	MC00625W040213K	Any	Farnell	1358055			Y-EX			1
Fitted	1_Resistor	4k7	R17, R18	2	0402	Resistor 0402 - 4k7 1% 63mW	Any	Any	Any	Farnell	1358060			Y-EX			2
Fitted	1_Resistor	56k	R22	1	0402	Resistor 0402 - 56k 1% 63mW	MULTICOMP	MC00625W0402156K	Any	Farnell	1358089			Y-EX			1
Fitted	1_Resistor	5k6	R2	1	0402	Resistor 0402 - 5k6 1% 63mW	MULTICOMP	MC00625W040215K6	Any	Farnell	1358062			Y-EX			1
Fitted	1_Resistor	866k	R15	1	0402	Resistor 0402 - 866k 1% 63mW	Any	Any	Any	Digi-Key	P866KLCT-ND			RoHS Compliant			1
Fitted	2_Capacitor	1.5p	C17, C20	2	0402	Ceramic 0402 - 1.5p 50V NPO 10%	AVX Corporation	04025A1R5BAT2A	Any	Digi-Key	478-7873-1-ND	Mouser	581-04025A1R5BAT2A	RoHS Compliant			2
Fitted	2_Capacitor	100n 16V	C1, C8, C12, C18, C27	5	0402	Ceramic 0402 - 100n 16V X7R 10%	Any	Any	Any	Farnell	1758896			YES			5
Fitted	2_Capacitor	100p	C23, C25	2	0402	Capacitor Ceram 100p 50V NPO 0402	AVX	04025A101JAT2A	Any	Farnell	1327627	Digi-Key	478-1082-1-ND	YES			2
Fitted	2_Capacitor	10n 25V	C16, C26	2	0402	Capacitor Ceram 10n 25V X7R 0402 10%	Any	Any	Any	Farnell	1414575	Farnell	1758924	YES			2
Fitted	2_Capacitor	10u 6.3V	C2, C4, C13	3	0603	Capacitor Ceram 10u 6.3V X5R 0603	Any	Any	Any	Farnell	1458902			YES			3
Fitted	2_Capacitor	1n	C5, C7	2	0402	Ceramic 0402 - 1n 50V X7R 10%	Any	Any	Any	Farnell	1758991			YES			2
Fitted	2_Capacitor	1p	C19	1	0402	Ceramic 0402 - 1p 50V NPO 10%	AVX	04025A1R0BAT2A	Any	Farnell	232496	Digi-Key	478-3659-1-ND	YES			1
Fitted	2_Capacitor	1u 6.3V	C3, C6, C14	3	0402	Capacitor Ceram 1u 6.3V X5R 0402	Any	Any	Any	Farnell	1288253			YES			3
Fitted	2_Capacitor	2.2p	C22	1	0402	Ceramic 0402 - 2.2p 50V NPO 10%	Any	Any	Any	Farnell	8819610			YES			1
Fitted	2_Capacitor	2.2u 10V	C9	1	0402	Capacitor Ceram 2.2u 10V X5R 0402	KEMET	C0402C225M8PACTU	Any	Farnell	2118127			YES			1
Fitted	2_Capacitor	220p	C15	1	0402	Capacitor Ceram 220p 50V NPO 0402	AVX	04025A21FAT2A	Any	Farnell	232502			YES			1
Fitted	2_Capacitor	22p	C28, C29	2	0402	Ceramic Capacitor 0402 - 22p 50V NPO	AVX	04025A22QJAT2A	Any	Farnell	1327634	Digi-Key	478-1074-1-ND	YES			2
Fitted	2_Capacitor	3.3p	C21	1	0402	Ceramic 0402 - 3.3p 50V NPO 10%	Any	Any	Any	Farnell	8819637			YES			1
Fitted	2_Capacitor	47p	C10, C11	2	0402	Ceramic 0402 - 47p 50V NPO 5%	Any	Any	Any	Farnell	1856046			YES			2
Fitted	2_Capacitor	TBD	C24	1	0402	Capacitor Ceram 50V X7R 0603	Any	Any	Any								1
Fitted	3_Inductive	0868A743A0020E	A1	1	SMD - Specific	Antenna 868MHz MultiLayer Chip	JOHANSON TECHNOLOGY	0868A743A0020E		Farnell	1885493	Digi-Key	712-1399-1-ND	Y-EX			1
Fitted	3_Inductive	1.8n 300mA	L8	1	0402	Inductor 1.8n 300mA HF	MURATA	LOG15HN1N8S02D	Rutronik	Farnell	1343061	Digi-Key	490-1076-1-ND	YES			1
Fitted	3_Inductive	12n 300mA	L3, L5, L6, L7, L9	5	0402	Inductor 12n 300mA HF	MURATA	LOG15HN12NJ02D	Rutronik	Farnell	1343082	Digi-Key	490-1086-1-ND	YES			5
Fitted	3_Inductive	18n 300mA	L2, L4	2	0402	Inductor 18n 300mA HF	MURATA	LOG15HN18NJ02D	Rutronik	Farnell	1343084	Digi-Key	490-1088-1-ND	YES			2
Fitted	3_Inductive	600R	L1	1	0402	Ferrite Bead 0402 - 600R@100MHz / 0.65Rdc + -25% - 200mA	Any	Any	Any	Farnell	1515762	Digi-Key	445-2156-1-ND				1
Fitted	4_Discrete	48MHz	X1	1	SMD - Specific	Crystal 48MHz ABM8 18pF F_tol 20ppm F_ssb 20ppm	Abracon Corporation	ABM8-48.000MHZ-B2-T	/	Digi-Key	535-9149-1-ND	Mouser	815-ABM8-48-B2-T	RoHS Compliant			1
Fitted	4_Discrete	FDV301N	Q2	1	SOT23	MOSFET N 25V 220mA Digital	FAIRCHILD SEMICONDUCTOR	FDV301N	EBV	Farnell	9845011	Digi-Key	FDV301NCT-ND	YES			1
Fitted	4_Discrete	FDV304P	Q1	1	SOT23	MOSFET P 25V 460mA Digital	FAIRCHILD SEMICONDUCTOR	FDV304P	EBV	Farnell	9846123	Digi-Key	FDV304PCT-ND	YES			1
Fitted	4_Discrete	L-93WSURKCGKC	D1, D3	2	TH - Specific	Led Bicolor HiRed & Green K_com High Bright - 3mm	KINGBRIGHT	L-93WSURKCGKC	Any	Farnell	2148798			YES			2
Fitted	5_Protection	PESD3V3L1BA	D2	1	SOD323	Diode Bidirectional ESD 3V3 Ppp = 500W (8/20us) 101pF	NXP	PESD3V3L1BA	EBV	Farnell	8737517	Digi-Key	568-4040-1-ND	YES			1
Fitted	5_Protection	TPD2E001DRL	IC5	1	SOT533	TVS Array 2channel ESD protection	Texas Instruments	TPD2E001DRLR	EBV	Digi-Key	296-21883-1-ND			RoHS Compliant			1
Fitted	6_Active	BQ24072RGT	IC3	1	QFN16	USB-Friendly Li-Ion Battery Charger and Power Path	TEXAS INSTRUMENTS	BQ24072RGT1	EBV	Farnell	1684745	Digi-Key	296-32024-1-ND	YES			1
Fitted	6_Active	CC1111F32RSP	IC6	1	WFN36	SoC MCU 8051 + Sub-1GHz RF Transceiver + USB	TEXAS INSTRUMENTS	CC1111F32RSP	EBV	Farnell	1573890	Digi-Key	296-22584-1-ND	YES			1
Fitted	6_Active	MB85RC04VPNF-G-JNE	IC4	1	SOIC8	FRAM 4K (512 x 8) - IC	FLUITSU	MB85RC04VPNF-G-JNE1		Farnell	2429024	Digi-Key	865-1256-1-ND	YES			1
Fitted	6_Active	SN74LVC00APW	IC1	1	TSSOP14	NAND Gate Quad 2 Inputs	Texas Instruments	SN74LVC00APW-GREP	EBV	Farnell	1105931	Digi-Key	296-1216-1-ND	RoHS Compliant			1
Fitted	6_Active	TPS78001DDC	IC2	1	SOT235	LDO ADJ 150mA Low Noise (2.2 - 5.5Vin)	TEXAS INSTRUMENTS	TPS78001DDCT.	EBV	Farnell	1604996	Digi-Key	296-27084-1-ND	YES			1
Fitted	7_ElectroMec	53398-0571	J1	1	SMD - Specific	Connector 5 ways Wire-to-Board SMD Vert. 1.25mm	MOLEX	53398-0571		Farnell	1125354	Digi-Key	WM7609CT-ND	YES			1
Fitted	7_ElectroMec	629105136821	J2	1	TH - Specific	USB micro type B SMD Horiz	WURTH ELEKTRONIK	629105136821		Farnell	2442736	Digi-Key	732-3155-1-ND	YES			1