

315MHz 3TXD TRANSMITTER PARTS LIST

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Summary

Production Parts List.

Document History

Suffix	Issue no.	Modification details	Authority or Concern note no.	R and C note no.	Date
	1				
	1a	C2 value to 5pF C7 value to 4pF L1 value to 15nH			2/12/97
	1b	C1 value to 56pF C2 value to 4pF C4 value to 3pF C7 value to 7pF L1 value to 22nH X2 type 2704			11/12/97
K	2		WCN 101580	WRC 01263	15/12/97
L		NOT RELEASED			15/12/98
M	3	TR1 Change to BFR92AW. X1 Change to T1-32S-A. L2 Change to TDK Battery clip type to 59303817(ref). Add (ref) to PCB part N ^o	CCF000475	S0622/98	15/12/98
N	1	C2 value to 3.3pF SW1 type KSC 421 JB SW2 type KSC 421 JB	CCF000759	S0517/99	26/5/99

RESISTORS.

COMPONENT REFERENCE	VALUE	TYPE	TOLERANCE	COMMENTS
R1	33R	0.063W	5%	ROHM MCR03EZHJ330 Panasonic ERJ2GEYJ3301
R2	100R	0.063W	5%	ROHM MCR01MZOJ101 Panasonic ERJ2GEYJ1001
R3	10R	0.063W	5%	ROHM MCR01MZOJ100 Panasonic ERJ2GEYJ1000
R4	1K	0.063W	5%	ROHM MCR01MZOJ102 Panasonic ERJ2GEYJ1002
R5	5K1	0.063W	5%	ROHM MCR01MZOJ512 Panasonic ERJ2GEYJ5102
R6	390R	0.063W	5%	ROHM MCR01MZOJ391 Panasonic ERJ2GEYJ3901
R7	910R	0.063W	5%	ROHM MCR01MZOJ911 Panasonic ERJ2GEYJ9101

CAPACITORS.

COMPONENT REFERENCE	VALUE	TYPE	TOLERANCE	COMMENTS
C1	56pF		±5%	Murata GRM36C0G560J50
C2	3.3pF		±0.25pF	Murata GRM36C0G033C50
C3	Not fitted			
C4	3pF		±0.5pF	Murata GRM36C0G030D50
C5	56pF		±10%	Murata GRM36C0G560K50
C6	470pF		±10%	Murata GRM36X7R471K50
C7	7pF		±0.25pF	Murata GRM36C070C50
C8	10pF		±0.5pF	Murata GRM36C0G100D50
C9	1n5		±1%	Vitramon VJ0805A152FXA
C10	10nF		±10%	Murata GRM36X7R103K16

INDUCTORS AND SAW.

COMPONENT REFERENCE	VALUE	TYPE	TOLERANCE	COMMENTS
L1	22nH		±5%	Murata LQN21A22NJ04
L2	1mH		±5%	TDK NL1812-102JTR
X2	R2704			Siemens

SEMICONDUCTORS.

COMPONENT REFERENCE	VALUE	TYPE	COMMENTS
TR1	BFR92AW		Philips
TR2	BC817W		Philips
IC1	4KC ASIC	Melexis part 15113B Lucas part 52170034	

MISCELLANEOUS.

COMPONENT REFERENCE	VALUE	TYPE	TOLERANCE	COMMENTS
X1	32.768kHz	T1-32S-A		Frequency Products
BAT1	CR2032	Panasonic		
SW1	KSC421JB	ITT		
SW2	KSC421JB	ITT		
Battery Clip		Lucas drawing 59303817 (ref)		
PCB	0.8mm FR4, immersion gold	Lucas drawing 53873753 (ref)		