

## Componet List for ISDR

<u>RESISTORS</u>	<u>VALUE</u>
R1	220Ω
R2	180Ω
R3	1.2KΩ
R4	22KΩ
R5	330Ω
R6	2.7KΩ
R7	330Ω
R8	470Ω
R9	18Ω
R10	27KΩ
R11	22Ω
R12	10Ω
R13	1KΩ
R14	330Ω
R15	330Ω
R16	330Ω
R17	470Ω
R18	470Ω
R19	330Ω
R20	82Ω
R21	330Ω
R22	47Ω
R23	1.2KΩ
R24	47Ω
R25	180Ω
R26	470Ω
R27	180Ω
R28	82Ω
R29	22KΩ
R30	330Ω
R31	220Ω
R32	27KΩ
R33	22Ω
R34	10Ω
R35	1.2KΩ
R36	330Ω
R37	470Ω
R38	470Ω
R39	330Ω
R40	2.7KΩ
R41	470Ω

R42	18 $\Omega$
R43	1K $\Omega$
R44	330 $\Omega$
R45	330 $\Omega$
R46	330 $\Omega$
R47	1M $\Omega$
R48	1 $\Omega$

**CAPACITORS****VALUE**

C1	100 $\mu$ F
C2	0.1 $\mu$ F
C3	0.01 $\mu$ F
C4	0.1 $\mu$ F
C5	10 $\mu$ F
C6	0.1 $\mu$ F
C7	10 $\mu$ F
C8	0.1 $\mu$ F
C9	0.01 $\mu$ F
C10	0.01 $\mu$ F
C11	0.1 $\mu$ F
C12	10 $\mu$ F
C13	10 $\mu$ F
C14	0.1 $\mu$ F
C15	0.1 $\mu$ F
C16	4.7PF
C17	68PF
C18	150PF
C19	TRIMMER
C20	TRIMMER
C21	68PF
C22	0.1 $\mu$ F
C23	150PF
C24	270PF
C25	270PF
C26	0.1 $\mu$ F
C27	0.01 $\mu$ F
C28	0.1 $\mu$ F
C29	0.1 $\mu$ F
C30	0.1 $\mu$ F
C31	100 $\mu$ F
C32	0.1 $\mu$ F
C33	10 $\mu$ F
C34	10 $\mu$ F

C35	0.01 $\mu$ F
C36	0.01 $\mu$ F
C37	0.1 $\mu$ F
C38	10 $\mu$ F
C39	0.1 $\mu$ F
C40	0.1 $\mu$ F
C41	0.01 $\mu$ F
C42	22PF
C43	22PF
C44	100 $\mu$ F
C45	0.1 $\mu$ F
C46	10 $\mu$ F
C47	0.1 $\mu$ F

**DIODES**

**VALUE**

D1	1N4148
D2	1N4148
D3	1N4148
D4	1N4148
D5	1N4148
D6	1N4148
D7	1N4148
D8	1N4148
D9	1N4007
D10	1N4007

**TRANSISTOR**

**VALUE**

Q1	BC547
Q2	BC547
Q3	BC547
Q4	BEL 368
Q5	BC547
Q6	BC547
Q7	BC547
Q8	BC547

**PINS**

**CONNECTIONS**

JP1	P
JP2	ANTENNA INPUT
JP3	Q
JP4	+12V INPUT

**TRANSFORMERS**

T1	TRIPHILAR 4 TURN ON 10mm DIA
T2	TRIPHILAR 4 TURN ON 10mm DIA
T3	TRIPHILAR 4 TURN ON 10mm DIA
T4	TRIPHILAR 4 TURN ON 10mm DIA

**VALUE****COILS**

L1	9 TURN COIL 10mm DIA
L2	19 TURN COIL
L3	19 TURN COIL
L4	9 TURN COIL 10mm DIA

**VALUE****IC**

U1	74HC74
U2	74HC00
U3	74HC74
U4	7805-TO220

**NAME****CRYSTAL**

Y1	28.224MHZ
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**VALUE**