Sheet1

				Farnell		RS	Chosen		
Component	Value	Num	Code	Cost	Code	Cost	Cost	Total	Note
U1	Arduino Micro	1			771-7667	£15.74	£15.74	£15.74	With headers
DDS	DDS Module	1					£7.99	£7.99	AD9850 DDS Signal 0-40MHz from 'heavends' on eBay (UK merchant)
U2	MCP6002	1			403-036	£0.24	£0.24		MCP6002-I/P Dual Op-Amp 1MHz CMOS R-R 3, 5V 8-Pin PDIP
U3	LM7805CT	1			671-0309	£0.49	£0.49	£0.49	
U4	L7809CV	1	1087089	£0.42			£0.42	£0.42	
D1,2	AA143	2					£0.60		Germanium RF diode from 'slamme58' on eBay (from Denmark; bought 10pk)
LED1	Green, med size	1			646-6658	£0.05	£0.05		For the 'Scan in Progress' LED. Arduino Micro has a built-in one, but want case-mounted
C1	1uF elec	1			3654199	£0.07	£0.07	£0.07	
C2,4	100nF ceramic	2			5381203	£0.16	£0.16		=0.1uF
C3,5,6	10nF ceramic	3	1650710	£0.18			£0.18		=0.01uf, 10000pf
C7,8,9	10uF elec	3	2346601	£0.07			£0.07		For the power supply
R1,2,3	50Ω	3	2396015	£0.37			£0.37		Metal film 1% axial
R4,8,12	10ΚΩ	3			132-731	£0.03	£0.03		Carbon film 0.5W
R5,9	100ΚΩ	2			7078388	£0.02	£0.02		Carbon 0.5W, 5%
R6,10	5KΩ (2 x 10KΩ ea)	4			132-731	£0.03	£0.03		Could not find cheap $5K\Omega$ resistors so am using 2 x $10K\Omega$ in parallel
R7,11	649Ω	2	1563247	£0.37			£0.37		Circuit required 648 Ω but could not find, so chose 649 Ω , 0.25W, 0.5%, 50PPM
ANT	50Ω	1	1169707	£1.68			£1.68		UHF bulkhead RF coaxial socket, takes a PL-259
PWRSOCK	Socket	1	1243247	£1.07			£1.07		Power socket
PWRPLUG	Plug	1	1568397	£1.18			£1.18		Power plug, 4A, 12V
CASE		1	1877411	£5.56			£5.56		120x120x59mm, grey ABS
DIP8	8-pin DIP Socket	1			813115		£0.35	£0.35	
PINSTRIP	32 way pin strip	2			2677416	£0.75	£0.75		For Arduino and DDS
BOARD	Veroboard	1	1536938	£6.73			£6.73	£6.73	Need '38 strips x 31 holes, 96mm x 81mm, 2.54mm hole spacing stripboard.
									This is 121.92mm x 101.6mm, 41 tracks x 44 holes
							G	rand Total	
								£47.43	