

G1YBB 9 element DK7ZB 144MHz yagi Bill of Materials

ITEM NO.	Description	Material	Part Number	QTY.
1	1010mm Reflector element	10 x 1mm round aluminium	Nuxcom REFSET10	1
2	939mm D1 element	10 x 1mm round aluminium	Nuxcom R10	1
3	909mm D2 element	10 x 1mm round aluminium	Nuxcom R10	1
4	892mm D3 element	10 x 1mm round aluminium	Nuxcom R10	1
5	883mm D4 element	10 x 1mm round aluminium	Nuxcom R10	1
6	874mm D5 element	10 x 1mm round aluminium	Nuxcom R10	1
7	890mm D6 element	10 x 1mm round aluminium	Nuxcom R10	1
8	874mm D7 element	10 x 1mm round aluminium	Nuxcom R10	1
9	10mm end plug	PE	Nuxcom LS10R	18
10	1720mm Front boom section	20 x 20 x 1.5mm square tube	Nuxcom V20-1,5	1
11	1620mm Centre boom section	20 x 20 x 1.5mm square tube	Nuxcom V20-1,5	1
12	1720mm Rear boom section	20 x 20 x 1.5mm square tube	Nuxcom V20-1,5	1
13	20 x 20mm square plug	PE	Nuxcom RK20V	4
14	Element mounting plate	Injection moulded plastic	Yagi/6536/T1575	9
15	10mm Talon Hinged Clip White	plastic	Toolstation 90494	16
16	M3 x 12mm Pozi Countersunk	Stainless Steel	N/A	16
17	M3 Nyloc Nut	Stainless Steel	N/A	28
18	3.2 x 8mm mm pop rivet	Aluminium	N/A	18
19	Square C bolt for 20mm	Stainless Steel	eBay 121757064139	2
20	150 x 96 boom mounting plate	3mm Aluminium	N/A	1
21	Radiator inner section	10 x 1mm round aluminium	Nuxcom R10	2
22	Radiator joint ferrule	5/16" x 20swg 6082T6/6063T6	N/A	2
23	Radiator outer section	10 x 1mm round aluminium	Nuxcom R10	2
24	M2 x 10 Pozi pan screw	Stainless Steel	N/A	2
25	M2 Standard Nut	Stainless Steel	N/A	2
26	Dipole connector (cut down)	Polyamid	Nuxcom PVB8	1
27	M3 Standard Nut	Stainless Steel	N/A	4
28	Driven element clamp bottom	Nylon	G1YBB design	4
29	Driven element clamp top	Nylon	G1YBB design	4
30	M3 x 30mm Pozi Pan screw	Stainless Steel	N/A	10
31	Driven element connection box	ABS	TAKACHI TWN4-2-5W	1
32	Driven element connection box lid	ABS	N/A	1
33	M3 Solder Tag	plated brass	SDTM3	2
34	M3 Internal Shakeproof Washer	Stainless Steel	N/A	16
35	M3 x 16mm Pozi Pan Screw	Stainless Steel	N/A	2
36	6mm diameter 10mm high spacer	3D printed ABS	G1YBB design	1
37	20mm boom joiner with wing nuts	Aluminium extrusion	Nuxcom BV20P	2
38	M4 Nyloc Nut	Stainless Steel	N/A	6
39	M4 x 30mm Socket Cap Screw	Stainless Steel	N/A	2
40	M4 wing nut	Stainless Steel	N/A	6
41	M4 x 40 Hex head	Stainless Steel	N/A	6
42	M4 x 35mm Socket Cap Screw	Stainless Steel	N/A	2
43	M4 Flat Washer	Stainless Steel	N/A	24
44	120 x 96mm truss mounting plate	3mm Aluminium	N/A	1
45	1410mm boom support	20 x 20 x 1.5mm square tube	Nuxcom V20-1,5	2
46	M4 x 50mm Socket Cap	Stainless Steel	N/A	2
47	20mm mast clamp outer	Aluminium	G1YBB design	4
48	20mm mast clamp inner	Aluminium	G1YBB design	4
49	M6 x 40 Cap Head	Stainless Steel	N/A	8
50	Feed connector housing	ABS	TAKACHI TWN5-4-7W	1
51	Feed connector housing lid	ABS	N/A	1
52	N-type bulkhead socket	Brass/PTFE/BeCu	N/A	1
53	Feed connector mounting plate	0.5mm Aluminium	Nuxcom AB60x25	1
54	1/4 wave line	WF100 75ohm coax	WF100	2
55	N-type mounting plate cut down	0.5mm Aluminium	Nuxcom AB60x25	1
56	M3 x 12mm Pozi Pan Screw	Stainless Steel	N/A	4
57	Coax braid earthing plate	0.3mm Tinned Copper	G1YBB design	1
58	M6 Nyloc Nut	A2 Stainless Steel	N/A	12
59	76 x 50mm boom clamp plate	3mm Aluminium	N/A	2
60	121 x 59mm Boom support clamp plate	2mm Aluminium	N/A	1
61	19.5 x 19.5 x 4.8mm coax spacer	3D printed ABS	G1YBB design	4

see full build details at <http://g1ybb.uk>