

DP770 PARTS LIST

Item	Product name	spec	item number
1	DIODE	1SR154-400,4532	D903
2	Transistor	2SC3356-R24,SOT23,NPN	Q103,Q104,Q302,Q305
3	Transistor	DTC144EE(26),SOT323	Q306,Q309,Q1,Q3,Q801,Q805,Q202
4	Resonator	32.768KHZ,MC-146,12.5PF,20PPM,	X503
5	Intermediate frequency Digital System	AD9864, LFCSP-N48_B7X6_75_P0_5,	U201
6	mixer	CD542, L=7.87mm, W=5.59mm, H=2.84mm,	Z201
7	AD transceiver IC	ADS105IRUGT,10-Pin QFN, TI	U701
8	NPN Transistor	SOT143-EEBC-B3X1_4-P1_9,	Q205
9	GPS FILTER	B9440,,QCS5P	U16
10	FET	ST2301A,SOT-23	Q905,Q907,Q908
11	CHIP C	1005,100nF±10%,16V,X7R	C920,C1064,C908,C616,C107,C119,C120,C121,C133,C134,C135,C136,C137,C140,C147,C155,C156,C160,C165,C167,C179,C217,C218,C224,C225,C230,C232,C233,C235,C238,C240,C297,C344,C4,C701,C705,C708,C906,C982,C983,C986,C1061,C1110,C1135,C803,C808,C813,C822,C825,C829,C835,C875,C912
12	CHIP C	1608,0.75P±0.25P,100V,C0G,GQM1885C2AR75CB01, muRata,HIQ	C170
13	CHIP C	1005,1.5P±0.25P,50V,C0G	C117,C149,C1143
14	CHIP C	1608,1.5P±0.1P,50V,C0G	C335,C112
15	CHIP C	1005,1000P±10%,50V,X7R	C1112,C153,C212,C927,C930,C933,C936,C939,C942,C957,C960,C964,C967,C970,C972,C976,C979,C984,C985,C989,C991,C995,C998,C1000,C1003,C1007,C1009,C1013,C1014,C1018,C1021,C1025,C1026,C1063,C916,C828,C842
16	CHIP C	1005,100P±5%,50V,C0G	C1100,C1101,C1102,C1103,C1104,C1111,C1113,C1117,C1118,C1119,C1120,C1121,C1122,C1123,C1124,C1125,C1126,C1127,C1128,C1130,C1139,C1140,C1141,C1142,C1146,C110,C141,C201,C202,C203,C204,C205,C222,C223,C227,C229,C244,C909,C926,C929,C931,C934,C937,C940,C955,C958,C963,C966,C969,C973,C975,C978,C988,C992,C994,C997,C1001,C1004,C1005,C1010,C1011,C1016,C1019,C1022,C1024,C1093,C1094,C1095,C1096,C1097,C1098,C1099
17	CHIP R	1005,10K±5%	C231,R2,R3,R9,R10,R20,R910,R912,R915,R922,R813,R817,R825,R916,R917,R918,R919,R920,R921,R923,R924,R925,R929,R141,R187,R188,R189,R190,R263,R264,R269,R270,R276,R115,R116,R121,R124,R127,R128,R139,R142,R147,R148,R204,R209,R210,R225,R325,R321
18	CHIP C	1005,10nF±10%,50V,X7R	C122,C125,C171,C173,C206,C207,C208,C209,C210,C211,C219,C220,C226,C228,C234,C237,C239,C243,C247,C249,C256,C272,C275,C276,C278,C280,C287,C288,C306,C313,C316,C319,C322,C343,C353,C355,C802,C807,C823,C831,C824
19	CHIP C	1005,27nF±10%,50V,X7R	C342
20	CHIP C	1608,10P±5%,50V,C0G,GQM1885C100JB01,muRata,HIQ	C111,C113,C114,C115,C146
21	CHIP C	1608,56P±5%,50V,C0G	C331

22	CHIP C	1608,12P±5%,50V,C0G,GQM1885C120JB01,muRata,HIQ	C144
23	CHIP C	1608,18P±5%,50V,C0G,GQM1885C180JB01,muRata,HIQ	C145
24	CHIP C	1005,12P±5%,50V,C0G	C215,C216,C305,C311,C312,C356
25	CHIP C	1005,8.0P±0.25P,50V,C0G,GJM1555C1H8R0CB01,muRata,HIQ	C282
26	CHIP C	1005,150P±5%,50V,C0G	C116,C123,C139,C148,C157,C158,C159,C162,C163,C164,C166,C168,C177,C178,C257,C258,C260,C262,C302,C309,C315,C321,C327,C346,C27,C28,C29,C30,C31,C32
27	CHIP C	1608,24P±5%,50V,C0G	C339
28	CHIP C	1608,12P±5%,50V,C0G	C326
29	CHIP C	1005,15P±5%,50V,C0G	C245,C246
30	CHIP C	1005,30P±5%,50V,C0G	C248
31	CHIP C	1005,180P±5%,50V,C0G	C221
32	CHIP C	1608,20P±5%,50V,C0G	C349
33	CHIP C	1005,18P±5%,50V,C0G	C268
34	CHIP C	1608,1P±0.1P,50V,C0G	C151
35	CHIP C	1005,1P±0.25P,50V,C0G	C118,C150,C301,C945,C947,C949,C952,C1133
36	CHIP C	1608,1µF+80%/-20%,16V,Y5V	C323,C801,C806,C817,C820,C907,C919
37	CHIP C	1608,100nF±10%,16V,X7R	C832,C833
38	CHIP C	1005,22P±5%,50V,C0G	C124,C601
39	CHIP C	1005,270P±5%,50V,C0G	C358,C359,C613,C810,C811,C818,819
40	CHIP C	1005,27P±5%,50V,C0G	C213,C214
41	CHIP C	1608,2P±0.1P,50V,C0G	C332,C337
42	CHIP C	1608,3.5/3.6P±0.1P,50V,C0G	C333,C336
43	CHIP C	1005,3300P±10%,50V,X7R	C152
44	CHIP C	1005,33P±5%,50V,C0G	C1080,C1081,C1082,C1083,C1084,C1085,C1086,C1087,C1088,C1089,C1090,C1091,C1092,C1109,C1114,C1115,C1116,C1137,C1138,C1144,C1145,C259,C834,C837,C838,C841,C1027,C1028,C1029,C1030,C1031,C1032,C1033,C1034,C1035,C1036,C1037,C1038,C1039,C1040,C1041,C1042,C1043,C1044,C1045,C1046,C1047,C1048,C1049,C1050,C1051,C1052,C1053,C1054,C1055,C1056,C1062,C1072,C1073,C1075,C1076,C1077,C1078,C1079
45	CHIP C	1608,100P±5%,50V,C0G,GQM1885C101JB01,muRata,HIQ	C175
46	CHIP C	1005,3.0P±0.25P,50V,C0G,GJM1555C1H3R0CB01,muRata,HIQ	C252,C263
47	CHIP C	1005,3P±0.1P,50V,C0G	C269
48	CHIP C	1005,2.0P±0.25P,50V,C0G,GJM1555C1H2R0CB01,muRata,HIQ	C266
49	CHIP C	1608,3P±0.1P,50V,C0G	C161
50	CHIP C	1005,470nF±10%,10V,X5R	C154
51	CHIP C	1005,470P±5%,50V,C0G	C340,C341,C614,C615,C617,C621,C314,C345,C354
52	CHIP C	1005,47nF±10%,16V,X7R	C357
53	CHIP C	1608,43P±5%,50V,C0G	C325

54	CHIP C	1005,47P±5%,50V,C0G	C236,C267,C707,C709,C943,C944,C946,C948,C950,C951,C953,C954,C271
55	CHIP C	1608,4P±0.1P,50V,C0G	C334,C350
56	CHIP C	1005,4.0P±0.25P,50V,C0G,GJM1555C1H4R0CB01,muRata,HIQ	C254,C255,C265
57	CHIP C	1005,4P±0.1P,50V,C0G	C251,C330
58	CHIP C	1005,5.6P±0.25P,50V,C0G,GJM1555C1H5R6CB01,muRata,HIQ	C250,C283,C274
59	CHIP C	1005,56P±5%,50V,C0G	C328,C317
60	CHIP C	1608,15P±5%,50V,C0G	C338
61	CHIP C	1005,6P±0.25P,50V,C0G	C129,C130,C264
62	CHIP C	1608,6.8P±0.25P,100V,C0G,GQM1885C2A6R8CB01,muRata,HIQ	C142
63	CHIP C	1005,7.0P±0.25P,50V,C0G,GJM1555C1H7R0CB01,muRata,HIQ(C253,C277
64	CHIP C	1608,68P±5%,50V,C0G,GQM1885C680JB01,muRata,HIQ	C176
65	CHIP C	1005,9P±0.25P,50V,C0G	C307
66	CHIP C	1005,20P±5%,50V,C0G	C320
67	CHIP C	1005,220nF±10%,10V,X7R	C704,C712
68	CHIP C	1005,0.75P±0.1P,50V,C0G	C1134
69	CHIP C	1005,10P±0.5P,50V,C0G	C903,C925,C928,C932,C935,C938,C941,C956,C959,C962,C965,C968,C971,C974,C977,C980,C981,C987,C990,C993,C996,C999,C1002,C1006,C1008,C1012,C1015,C1017,C1020,C1023,C1129
70	CHIP C	1005,1uF±10%,10V,X5R	C523,C612,C703,C710,C812,C814,C1136
71	CHIP C	1005,22nF±10%,25V,X7R	C706,C711
72	CHIP C	1005,33nF±10%,16V,X7R	C815,C816
73	CHIP C	10uF,0603,±20%,6.3V,X7R	C702,C804,C805,C821,C826,C809
74	CHIP-TAN	3216,22 μ F±20%,10V,TS	C830,C1
75	CHIP-TAN	2012,10 μ F±20%,10V,TP	C143,C911,C915,C917,C923
76	CHIP-TAN	3216,4.7 μ F±20%,10V,TS	C839
77	CHIP C	1608,2.2uF+80%/-20%,16V,Y5V	C921
78	CHIP C	1005,4.7P±0.25P,50V,C0G	C901
79	CHIP C	3216,22μF+80%/-20%,10V,Y5V(C3216Y5V1A226ZT)	C902,C904,C905,C913,C914,C918,C922
80	TD7700 battery connector	BC-2P-41PH-6.8H,	J901
81	Battery(DP770, DM890, PT7800,219,620D)	0.027mAh,XH414HG,IV01E,diameter4.8mm,height 1.4mm,3.3V,	J501
82	USB AB socket	MINI USB5P, USB AB socket	J601
83	BtoB connector	50Pin (DF23C-50DS-0.5V) , HRS	J902
84	CHIP-TAN	3216,0.1 μ F±20%,35V,TS	C126
85	CHIP-TAN	3216,0.33 μ F±20%,35V,TS	C128
86	CHIP-TAN	3216,10 μ F±20%,16V,TS	C101,C102,C103,C104,C105,C106,C108,C109,C172,C180,C181,C182,C183,C184,C241,C242,C352,C360,C2,C3

87	CHIP-TAN	3216,2.2 μ F \pm 20%,25V,TS	C127,C138
88	Oscillator	fo=73.350MHz, D73312GQ12.	Z202
89	DIODE	HVC131(P1),1608	D301,D302,D303,D304,D502,D503
90	DIODE	DAN222(TL),SOT23(ROHM)	D904
91	DIODE	HSC277,1608	D112
92	DIODE	DA2S10100L	D110,D111,D113,D701,D702,D703,D704,D501,D504,D506
93	Oscillator	NT5032SA/NT5032SC,12.8MHz \pm 2.5PPm,5.0*3.2*1.6mm	U104
94	Oscillator	TKL3056B,19.2MHz,0.5PPM,3225, TNK	U114
95	DIODE	1SV278(T1)	D109
96	DIODE	HVC350B(B0),SOD523	D103,D104,D107,D108
97	DIODE	HVC376B(B9)	D101,D102,D105,D106,D201,D202,D203,D204,D205,D206
98	EMI,FILTER,	2012,BLM21P300S/BLM21PG300S(0149-05)	FB302,FB303,FB304
99	EMI,FILTER,	1608,BLM11A601S/BLM18AG601S(0138-05)	FB202,FB203,FB204,FB301
100	EMI,FILTER,	1608,BLM18PG181SN1,	FB101,FB102,R193,R194,FB201,FB702,FB703,FB905,FB906,FB907
101	EMI,FILTER,	1608,BLM18AG121SN1D,	FB701,FB801,FB802,FB803,FB806,FB908,FB912,FB913,FB914,FB915,FB916,FB917,FB918,FB922
102	CHIP R	1608,2.2K \pm 5%	FB920
103	EMI,FILTER,	2012,220 Ω	FB804,FB805,FB808,FB901,FB921,R902,R932
104	fuse	429003/433003/466003,3216,3A/32V	F901
105	IC	NAND FLASH, NAND512W3A2SZA6, 64M*8Bit, VFPGA63	U904
106	SMALL FIXED INDUCTOR	1608,18nH \pm 2%(ELJRE18NGFA)	L7,L108
107	SMALL FIXED INDUCTOR	1608,3.3nH \pm 0.3nH(MLG1608B3N3S)	L233,L234,L235
108	SMALL FIXED INDUCTOR	1608,3.9nH \pm 0.3nH(MLG1608B3N9S)	L308
109	INDUCTOR	1608,39nH \pm 2%,(C1608CB-39NG)	L9
110	SMALL FIXED INDUCTOR	1608,8.2nH \pm 0.5nH(MLG1608B8N2DT)	L6,L8
111	INDUCTOR	2520,10 μ H \pm 5%,(FLM2520-100J)	L202,L203
112	DIODE	SMD LED 0603 (Size 0603, 1.6*0.8*0.6mm,	LED601
113	CHIP C	1608,0 Ω	L216,L219,L307,L303,FB909,FB910,FB911,FB919,R157,R252,R352
114	INDUCTOR	1608,100nH \pm 5%(LQG11AR10J)	L213,L224,L227,L229,L231
115	INDUCTOR	1608,10nH \pm 5%(MLG1608B10NJ)	L225,L226,L228,L230
116	INDUCTOR	1608,15nH \pm 5%,(C1608CB-15NJ)	L112
117	INDUCTOR	1608,180nH \pm 5%,(C1608CB-R18J)	L210,L214,L318
118	CHIP R	1608,330 Ω \pm 5%	L215
119	INDUCTOR	2012,15nH \pm 5%,(C2012C-15NJ)	L103
120	INDUCTOR	2012,220nH \pm 5%,(LQN21AR22J/LQW2BHNR22J03L)	L316
121	SMALL FIXED INDUCTOR	1608,22nH \pm 5%(MLG1608B22NJ)	L301,L302,L305,L317,L209

122	SMALL FIXED INDUCTOR	1608,33nH±5%(MLG1608B33NJ)	L102,L220
123	SMALL FIXED INDUCTOR	1608,27nH±2%(ELJRE27NGF)	L206
124	INDUCTOR	1608,27nH±2%,(C1608CB-27NG)	L221,L222
125	CHIP C	1608,27P±5%,50V,C0G	L304
126	INDUCTOR	φ 0.40, φ 1.5,2	L310
127	INDUCTOR	2520,3.3 μ H±10%,(NL252018T-3R3K/NLV25T-3R3K)	L205
128	SMALL FIXED INDUCTOR	1608,3.3μH±10%(MLF1608A3R3K TA00)	L204
129	INDUCTOR	2012,330nH±5%,	L201
130	INDUCTOR	1608,330nH±2%(C1608BR33G),	L104,L105,L107,L110,L111,L114,L217
131	INDUCTOR	φ 0.40, φ 1.5,30.5mm,	L311,L312,L314
132	INDUCTOR	φ 0.40, φ 1.5,40.5mm,	L207,L208,L211,L212,L313
133	INDUCTOR	φ 0.50, φ 1.5,5	L306
134	INDUCTOR	2012,8.2nH±5%,(C2012C-8N2J)	L113
135	SMALL FIXED INDUCTOR	1608,0.82uH±10%(MLF1608DR82K TA00)	L101,L109
136	INDUCTOR	φ 0.40, φ 1.5,8	L309
137	SMALL FIXED INDUCTOR	1608,1μH±10%(MLF1608A1R0K)	L218
138	SMALL FIXED INDUCTOR	3030,VLS3012T-100MR72,TDK	L901,L902,L903,L904
139	CMOS IC	SC88A-N5-B2X1_25-P0_65	U110,U111
140	FET	2SK1824(B1)	Q902
141	E FET	RD07MUS2B	Q304
142	E FET		Q303
143	IC	MT47H64M16-HR,1G DDR2 SDRAM(64M*16),84-ball FBGA(8mm*12.5mm)	U905
144	IC	MXD2020ML,LCC-8	U702
145	Transistor	MMBT3904(1A),SOT23,NPN	Q904
146	Transistor	DTC114YE-SMD	Q903
147	CPU	OMAPL138BZWT3,PBGA-N361,0.80mm Ball Pitch,TI	U906
148	DIODE	PESD12VS1UB	D901,D902
149	DIODE	PESD3V3S1UB	D907
150	DIODE	MMSZ4678T1G,1.8V, 500mW,SOD-123,ON	D905
151	DIODE	PESD5V0S1UB,	D906
152	Transistor	SOT23, PNP (SOT23-EBC-B3X1_4-P1_9)	Q906
153	Transistor	FMMT717A,PNP,SOT23	Q106,Q901,Q307
154	CHIP R	1005,33Ω±5%	R100
155	CHIP R	1005,100K±5%	R212,R705,R711,R722,R617,R618,R619,R620,R621,R622,R626,R628,R635,R102,R133,R134,R138,R207,R222,R223,R228,R229,R316,R317,R339,R928
156	CHIP R	1005,100K±1%	R706,R334

157	CHIP R	1005,10Ω±5%	R826,R868,R911,R23
158	CHIP R	1005,15K±5%	R713,R716,R285
159	CHIP R	1005,18K±5%	R712,R719
160	CHIP R	1005,1M±5%	R715,R718
161	CHIP R	1005,200K±1%	R702
162	CHIP R	1005,27K±5%	R714,R720
163	CHIP R	1005,3.3K±5%	R909
164	CHIP R	1005,510K±5%	R904
165	CHIP R	1005,2.7K±5%	R1,R258,R259,R260,R261
166	CHIP R	1005,3K±5%	R126,R509,R510
167	CHIP R	1608,3K±5%	R708
168	CHIP R	2010, R-NETWORK,100R, 5%,1/16W(0402*4)	RN1,RN2,RN3,RN4,RN5,RN6,RN8,RN9,RN10,RN11,RN14,RN15,RN16,RN17,RN18,RN19,RN20,RN21,RN22,RN24,RN25,RN26,RN27,RN28,RN29
169	CHIP R	3216,0.39Ω±5%	R319,R320,R337
170	CHIP R	1005,0Ω	R240,R119,R123,R144,R146,R151,R152,R153,R156,R161,R164,R179,R183,R184,R185,R197,R198,R199,R206,R241,R242,R257,R278,R313,R324,R346,R351,R637,R710,R721,R723,R725,R802,R803,R805,R814,R815,R816,R869,R926,R927,R11,R824,R828,R217
171	CHIP R	1005,1.5K±5%	R323
172	CHIP R	1005,100Ω±5%	R117,R118,R120,R129,R224,R253,R268,R271,R272,R274,R277,R286,R290,R293,R294,R296,R304,R603,R604,R605,R819,R829,R901,R810
173	CHIP R	1608,10K±5%	R299,R300
174	CHIP R	1005,120Ω±5%	R114,R135,R136
175	CHIP R	1005,120K±5%	R167,R236
176	CHIP R	1005,12K±5%	R19,R130,R907
177	CHIP R	1005,150Ω±5%	R233
178	CHIP R	1005,330Ω±5%	R238,R812,R6
179	CHIP R	1005,150K±5%	R104,R105,R220,R906,R822,R830,R13
180	CHIP R	1005,15Ω±5%	R306
181	CHIP R	1005,680Ω±5%	R267,R273
182	CHIP R	1608,1K±5%	R348,R707
183	CHIP R	1005,1K±5%	R158,R159,R203,R205,R208,R341,R612,R624,R625,R627,R634,R17,R21,R905
184	CHIP R	1005,2.2M±5%	R318,R332
185	CHIP R	1005,2.2K±5%	R345,R804,R806
186	CHIP R	1005,1.8K±5%	R132
187	CHIP R	1005,20K±5%	R202,R232,R336,R122,R701
188	CHIP R	1005,220K±5%	R103,R165,R168,R315,R333,R12
189	CHIP R	1005,22Ω±5%	R175,R176,R177,R178,R180,R181,R342,R343

190	CHIP R	1005 24K±5%	R302
191	CHIP R	1608,270Ω±5%	R330
192	CHIP R	1005,270Ω±5%	R344,R811
193	CHIP R	1608,NTH5G16P40B333J	R326
194	CHIP R	1005,2K±5%	R106,R192,R808,R903
195	CHIP R	1005,3.9K±5%	R108,R226,R227
196	CHIP R	1005,180K±5%	R213,R221
197	CHIP R	1005,680K±5%	R214
198	CHIP R	1005,330K±5%	R101,R211
199	CHIP R	1005,4.7K±5%	R143,R234,R4,R703,R704,R801,R807,R913,R914,R823,R827,R24,R25
200	CHIP R	1005,470Ω±5%	R340,R7,R611
201	CHIP R	1005,47K±5%	R171,R172,R173,174,R279,R280,R283,R284,R287,R288,R297,R298,R137,R322,R908
202	CHIP R	1005,36K±5%	R335
203	CHIP R	1005,47Ω±5%	R113,R215,R219
204	CHIP R	1005,5.6K±5%	R107,R235
205	CHIP R	1005,510Ω±5%	R201
206	CHIP R	1005,51Ω±5%	R191,R230,R308,R329
207	CHIP R	1005,6.8K±5%	R125,R310,R338
208	CHIP R	1005,33K±5%	R327
209	CHIP R	1005,68Ω±5%	R109,R809
210	CHIP R	1005,6.8Ω±5%	R110,R111,R112,R145
211	CHIP R	1005,8.2K±5%	R131,R231,R305,R307
212	CHIP R	1005,82K±5%	R328
213	TF socket	GETWELL, 8PINS, pin to pin 1.1mm,	J4
214	E GD-9 GPS module	NEO-6,U-BLOX6 GPS MODULES	M2
215	PLL IC	SKY72310,24 pin QFN 4mmX4mm (QFN-N24_B4x4-P0_5)	U103
216	IC	NJM2904V,TSSOP-8	U106,U303
217	IC	TC75W51FU,SSOP-8	U703
218	IC	TDA8547TS,SSOP20,	U802
219	DA IC	TLV5614,TSSOP-N16_B6_5X5_6-P0_65,	U105
220	CODEC IC	TLV320AIC14KIDBT,TSSOP-N30_B7_9X4_5_P0_5,	U801
221	Power IC	TPS62110RSAR,16 pin QFN, TI	U901
222	Power IC for DP770, DP780, KH620D,STR,STP	TPS65023RSBR,40-Pin.5mm X 5mm QFN	U902
223	LDO pressurizer	TPS76301DBVR,5-Pin SOT-23 (DBV)	U2,U101,U102,U112,U113,U202
224	Transistor	2SC4617-R(BR),EMT3	Q102,Q105,Q107

225	Transistor	2SC5006	Q201,Q203,Q204,Q206,Q207,Q301
226	Transistor	UMC4,NPN/PNP	U107,U108,U109,U301
227	GPS LNA amplifier	GPS LNA amplifier ,UPC8231TK	U17
228	GPS shield cover base	42.4X22.0MM	
229	DP770 shield cover stand1	43.4*32.3mm;	
230	DP770 shield cover stand2	22.8*15.6mm;	
231	DP770-02 main board PCB	134.4*48MM*1.6MM, 10-layer board ,FR4,DP770U-MAIN-130111.PCB	