

iDEN800 & 900 Uplink
Converter

Part List

1. Mechanical Part

Name	Specification			Quantity
	Size	Comment	Material	
BODY	200.0 x 145.0 x 33.0		KSD6701-A6061P	1
TOP COVER	200.0 x 145.0 x 2.0		KSD6701-A6061P	1
BOTTOM COVER	200.0 x 145.0 x 2.0		KSD6701-A6061P	1
BLOCK_1	22.0 x 11.4 x 5.0		KSD6701-A6061P	2
BLOCK_2	22.0 x 6.4 x 5.0		KSD6701-A6061P	2
BLOCK_3	22.0 x 6.4 x 5.0(CUT)		KSD6701-A6061P	2
BLOCK_4	19.0 x 6.4 x 5.0		KSD6701-A6061P	1
BLOCK_5	23.5 x 6.2 x 5.0		KSD6701-A6061P	1
RF CONNECTOR	SMA-4HOLE RIGHTANGLE FEMALE			2
Screw (□□□□)	M2.0 x 0.4 x 5.0		KSD3706-ST5304	13
Screw (□□□□)	M2.6 x 0.45 x 5.0		KSD3706-ST5304	111
Screw (□□□□)	M2.6 x 0.45 x 8.0		KSD3706-ST5304	8
Screw (□□□□)	M2.6 x 0.45 x 5.0		KSD3706-ST5304	71
Screw (□□□□)	M3 x 0.5 x 5.0		KSD3706-ST5304	1

2. Board Ass'y Part

No	Q'ty	Unit No	Spec	Remark
1	2	BPF1,BPF7	4R3-815-18M	
2	2	BPF3,BPF2	4R3-815/898-DUAL	

3	2	BPF4,BPF8	4R3-752-6M(MONO)	
4	2	BPF5,BPF9	4R3-961-5M(MONO)	
5	2	BPF6,BPF10	4R3-898-5M	
6	3	COUP1,COUP2,COUP4	RCP890Q03	
7	1	COUP3	RCP890Q10	
8	49	C1,C12,C14,C50,C54,C65, C72,C86,C92,C95,C111, C120,C135,C141,C167,C180, C182,C190,C192,C208,C214, C215,C217,C223,C224,C231, C245,C260,C265,C283,C302, C306,C307,C308,C313,C318, C319,C322,C323,C330,C361, C379,C389,C390,C392,C403, C404,C421,C422	1uF/35V	
9	86	C2,R4,C5,C7,C25,C27,C28, C32,C41,C42,C49,C56,L61, C61,C62,C70,C74,C76,C84, C88,C99,C102,R112,C113, C119,C123,C124,C133,C136, C140,C145,C146,C152,C153, C154,C155,C156,C166,C168, C184,C185,C189,C193,C208, C213,C219,C222,C225,C236, C237,C239,C241,C243,C249, C255,C264,C269,C277,C288, C289,C299,C312,C317,C328, C330,C333,C340,C341,C342, C343,C344,C345,C350,C355, C356,C357,C358,C359,C360, C362,C363,C366,C375,C376, C378,C380	0.1uF	
10	81	C3,C4,C16,C17,C18,C43, C44,C45,C51,C57,C60,C67, C68,C69,C71,C77,C79,C82, C83,C85,C90,C93,C106,	100pF	

		C107,C110,C112,C115,C116, C126,C127,C129,C137,C144, C147,C148,C149,C150,C179, C186,C191,C194,C198,C199, C200,C203,C206,C209,C216, C233,C234,C250,C251,C252, C253,C270,C272,C275,C290, C291,C292,C295,C305,C326, C329,C331,C332,C386,C387, C388,C391,C393,C402,C407, C408,C409,C410,C411,C412, C413,C414,C415		
11	28	C6,C8,C13,C23,C24,C31, C37,C75,C104,C114,C117, C138,C158,C173,C187,C197, C211,C220,C242,C262,C267, C271,C294,C310,C315,C348, C352,C368	1nF	
12	40	C9,R10,C10,R11,C11,R25, R26,R27,L29,L38,R42,R45, C58,C59,C63,C64,R81,R91, R95,C96,R157,C157,R161, R185,R188,C196,R204,C205, C207,C266,C273,C285,C286, C381,C382,C395,C396,C397, C398,C399	Blank	
13	49	C15,C19,C20,C21,C26,C48, C52,C53,C80,C103,C118, C130,C139,C160,C161,C162, C163,C165,C169,C181,C188, C195,C212,C221,C228,C229, C232,C238,C240,C261,C263, C268,C281,C282,C287,C298, C311,C316,C335,C336,C337, C338,C339,C349,C354,C364, C365,C374,C377	10nF	

14	9	C22,C39,C40,C175,C177, C178,C370,C371,C372	75pF	
15	8	C29,C36,C172,C278,C284, C297,C346,C385	5.6pF	
16	5	C30,C38,C174,C369,C373	43pF	
17	8	C33,C35,C159,C171,C230, C254,C334,C367	15pF	
18	5	C34,L87,C170,C235,C351	47pF	
19	4	C46,C66,C256,C259	2.5pF	
20	2	C55,C47	6pF	
21	7	C73,L94,C97,C132,C164, C246,C248	330pF	
22	2	C78,C105	2pF	
23	12	C81,C218,C274,C303,C304, C321,C324,C325,C327,C405, C406,C425	10uF/35V	
24	3	C87,C151,C247	560pF	
25	2	C121,C89	0.5pF	
26	4	C91,C98,C257,C258	4.5pF	
27	2	C128,C94	8pF	
28	2	C100,C142	470pF	
29	2	C131,C101	0.75pF	
30	8	C108,C109,C183,C201,C202, C210,C293,C309	56pF	
31	4	C122,C125,C134,C143	220pF	
32	1	C176	82pF	
33	7	R162,C204,C227,C280,C296, C300,C320	100pF(2012)	
34	3	C226,C279,C384	0.1uF(2012)	
35	3	C244,C314,C347	5pF	
36	2	C353,C276	12pF	
37	1	C301	3pF(2012)	
38	1	C383	10nF(2012)	
39	1	C394	3.5pF	

40	1	C400	5pF(2012)	
41	1	C401	0.5pF(2012)	
42	10	R1,R3,R5,R51,R58,R133, R134,R205,R207,C424	100ohm	
43	1	DUPL1	8R4-815/898-18/5M	
44	1	IS01	IL07BL(R)0836AAE	
45	46	L1,L9,L16,L20,L65,L69, L79,L110,L111,L112,L113, L114,L115,L116,L117,R118, L118,L119,L120,L121,L122, L123,L124,L125,L126,L127, L128,L129,L130,L131,L132, L133,L134,L135,L136,L137, L138,L139,L140,L141,L142, L143,L144,L145,L146,L147	1.2uH	
46	4	L2,L77,L91,L104	15nH	
47	13	L3,L4,L24,L26,L31,L43, L44,L49,L50,L70,L72,L96, L105	100nH	
48	9	L5,L12,L51,L58,L85,L88, L92,L98,L106	180nH	
49	6	L6,L10,L52,L55,L99,L102	120nH	
50	8	L7,L8,L53,L54,L83,L84, L100,L101	150nH	
51	5	L11,L59,L80,L86,L108	22nH	
52	8	L13,L27,L45,L47,L57,L73, L74,L76	6.8nH	
53	5	L14,L34,L40,L48,L71	33nH	
54	4	L15,L17,L18,L30	10nH	
55	2	L19,L107	TCFD4516(BEAD)	
56	5	L21,L33,L60,L63,L89	12nH	
57	3	L22,L32,L75	8.2nH	
58	10	L23,L28,L35,L36,L39,L42, L46,L56,L67,L68	1uH	
59	16	R15,L25,R29,R36,R37,R39,	0ohm	

		L41,R56,R86,R87,R96,R105, R114,R131,R159,R168		
60	4	L37,L62,L64,L90	47nH	
61	1	L66	100nH(2012)	
62	2	L78,L103	330nH	
63	2	L93,L81	220nH	
64	2	L82,L95	82nH	
65	1	L97	27nH	
66	1	L109	8.2pF(2012)	
67	4	MIX1,MIX2,MIX3,MIX4	HMC399MS8	
68	1	PLL1	752.5/758MHz	
69	1	PLL2	961MHz	
70	4	Q1,Q22,Q26,Q30	MGA53543	
71	10	Q2,Q3,Q7,Q10,Q11,Q14,Q20, Q21,Q24,Q29	AM-1	
72	3	Q4,Q13,Q17	KTA1504	
73	2	Q5,Q9	ATF-54143	
74	1	Q6	AH-1	
75	4	Q8,Q18,Q19,Q25	CMM6004-SC	
76	1	Q12	AH102	
77	2	Q15,Q16	KDS193	
78	2	Q27,Q23	AH31	
79	2	Q31,Q28	MMBT2222A	
80	1	REG1	NJM7805A	
81	1	RG1	1P1117-33	
82	2	RG2,RG6	MIC29303BT	
83	2	RG3,RG4	TK11250A	
84	1	RG5	IRF4905	
85	6	R2,R44,R50,R57,R163,R194	51ohm	
86	10	R6,R17,R49,R52,R88,R98, R106,R120,R153,R184	12ohm(2012)	
87	3	R7,R158,R176	10ohm(2012)	
88	4	R8,R16,R110,R111	220ohm	
89	5	R9,R47,R74,R113,R139	30ohm	

90	2	R103,R12	24ohm	
91	14	R13,R28,R53,R60,R89,R90, R97,R101,R136,R140,R191, R192,R206,R423	470ohm	
92	18	R14,R21,R23,R40,R75,R80, R83,R107,R115,R116,R128, R129,R164,R165,R166,R178, R179,R190	1kohm	
93	10	R18,R55,R63,R73,R100, R117,R138,R141,R167,R186	12ohm	
94	14	R19,R20,R46,R48,R66,R79, R104,R119,R127,R130,R135, R142,R177,R180	180ohm	
95	2	R82,R22	1.5kohm	
96	2	R76,R24	22ohm	
97	5	R30,R67,R170,R183,R189	47kohm	
98	2	R70,R31	10ohm	
99	17	R32,R34,R35,R64,R68,R72, R77,R78,R84,R85,R121, R122,R123,R175,R193,R195, R196	10kohm	
100	3	R33,R41,R94	300ohm	
101	1	R38	18ohm	
102	7	R43,R59,R99,R102,R132, R156,R181	3.3ohm(2012)	
103	8	R54,R62,R108,R109,R143, R144,R171,R172	430ohm	
104	2	R61,R65	150kohm	
105	2	R71,R69	33kohm	
106	1	R92	15ohm(2012)	
107	1	R93	3kohm	
108	1	R124	51ohm(2012)	
109	1	R125	75ohm	
110	1	R126	120ohm(2012)	
111	2	R182,R137	5.1ohm	

112	3	R145,R148,R152	150ohm	
113	2	R146,R150	47ohm(thermistor)	
114	2	R151,R147	47ohm	
115	2	R199,R149	1.2kohm	
116	2	R154,R198	4.7kohm	
117	2	R200,R155	56kohm	
118	2	R197,R160	20kohm	
119	1	R169	43ohm	
120	2	R173,R174	120ohm	
121	1	R187	1Mohm(2012)	
122	1	SAW1	511436	
123	1	SAW2	511676	
124	1	TCX01	TCX0(10MHz)	
125	1	TR1	MGF-0906B	
126	1	U1	PIC12C508	
127	2	U14,U2	AD8362ARU	
128	3	U3,U7,U8	PE4302	
129	2	U17,U4	KIA358F	
130	3	U5,U10,U13	BD09B	
131	1	U6	NJM2903M	
132	2	U9,U15	MA4P274-1225T	
133	1	U11	NJU7660	
134	1	U12	6R3-62-20M	
135	1	U16	74HC14	
136	1	VR1	10kohm(3266)	
137	5	RF CONNECTOR	SMB(F)S-T4R	
138	1	SIGNAL INTERFACE	HIF3FC-20PA-2.54DS	
139	1	POWER INTERFACE	MOLEX 5267-4	
140	1	THROUGH PIN	2X5	
141	1	THROUGH PIN	1X5	
142	1	THROUGH PIN	1X2	
143	7	THROUGH PIN		
144	1	COXIAL CABLE	5.5 cm	
145	1	COXIAL CABLE	4cm	

