

iDEN800 & 900 Downlink
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	3
BLOCK_2	19.0 x 6.4 x 5.0		KSD6701-A6061P	1
BLOCK_3	19.0 x 6.4 x 5.0(CUT)		KSD6701-A6061P	1
BLOCK_4	6.0 x 6.4 x 5.0		KSD6701-A6061P	1
BLOCK_5	26.0 x 6.4 x 5.0(CUT)		KSD6701-A6061P	1
BLOCK_6	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-ST304	14
Screw	M2.6 x 0.45 x 5.0		KSD3706-ST304	96
Screw	M2.6 x 0.45 x 8.0		KSD3706-ST304	8
Screw	M2.6 x 0.45 x 5.0		KSD3706-ST304	76
Screw	M3 x 0.5 x 5.0		KSD3706-ST304	1

2. Board Ass'y Patt

No	Q'ty	Unit No	Spec	Remark
1	3	BPF1, BPF4, BPF8	4R3-860/937.5-DUAL	
2	2	BPF2, BPF9	4R3-860-18M	
3	2	BPF3, BPF7	4R3-800-8M(MONO)	
4	2	BPF5, BPF12	4R3-937.5-5M	
5	2	BPF11, BPF6	4R3-1000-3M(MONO)	
6	1	BPF10	6R3-62.5-20M	

7	1	COUP1	RCP890Q10	
8	54	C1, C24, C25, C34, C35, C36,	1uF/35V	
		C40, C41, C46, C47, C84, C85,		
		C97, C106, C107, C108, C113,		
		C128, C148, C150, C152, C163,		
		C169, C170, C175, C179, C193,		
		C215, C226, C233, C234, C236,		
		C304, C311, C324, C328, C329,		
		C336, C344, C361, C371, C372,		
		C373, C375, C385, C400, C415,		
		C419, C424		
9	96	C2, C6, C7, C8, C9, C15, C16,	0.1uF	
		C17, C18, C21, C28, C29, C30,		
		C93, C100, C105, C118, C123,		
		C132, C136, C140, R141, C146,		
		C153, C164, C165, C174, C176,		
		C177, C185, C188, C189, C190,		
		C191, C192, C194, C205, C211,		
		C212, C219, C221, C228, C229,		
		C232, C237, C245, C249, C253,		
		C254, C256, C258, C263, C265,		
		C268, C270, C275, C276, C277,		
		C282, C283, C285, C290, C297,		
		C298, C302, C303, C306, C310,		
		C313, C316, C322, C323, C325,		
		C326, C330, C331, C334, C335,		
		C339, C340, C342, C348, C353,		
		C357, C358, C359, C362, C363,		
		C365, C376, C388, C414, C416,		
		C421, C422, C423		
10	56	C3, C27, C31, C38, C54, C56,	10nF	
		C57, C58, C91, C94, C104,		
		C124, C127, C137, C141, C142,		
		C144, C145, C173, C181, C186,		
		C195, C200, C201, C202, C203,		

		C204, C216, C217, C220, C225,		
		C231, C244, C248, C259, C262,		
		C291, C296, C332, C333, C345,		
		C346, C347, C356, C374, C377,		
		C379, C392, C393, C394, C395,		
		C396, C397, C411, C412, C413		
11	10	C4, C14, C67, C73, C157, C238,	5.6pF	
		C281, C315, C378, C402		
12	31	C5, C26, C32, C44, C87, C92,	1nF	
		C103, C125, C131, C135, C138,		
		C172, C196, C213, C230, C243,		
		C252, C260, C284, C292, C295,		
		C327, C341, C343, C349, C355,		
		C360, C370, C387, C399, C401		
13	67	C10, C12, C13, C22, C23, C33,	100pF	
		C43, C50, C51, C52, C53, C60,		
		C74, C75, C76, C79, C82, C90,		
		C96, C98, C99, C102, C119,		
		C120, C121, C122, C129, C130,		
		C133, C134, C139, C147, C149,		
		C151, C166, C168, C171, C180,		
		C182, C184, C207, C209, C235,		
		C246, C247, C267, C271, C279,		
		C280, C308, C309, C317, C318,		
		C319, C320, C321, C337, C350,		
		C366, C367, C368, C369, C389,		
		C390, C391, C404, C420		
14	5	C11, C37, C293, C312, C338	5pF	
15	51	C19, C20, L50, L53, R59, C61,	BLANK	
		C62, R63, C63, R64, R71, C80,		
		C81, R87, L94, R100, R101,		
		L107, R109, R112, R114, C115,		
		R116, C116, C117, R122, R123,		
		R127, R128, R135, R137, R151,		
		R156, R157, R160, R162, R164,		

		R173, R174, R183, R184, R187,		
		R188, C208, C241, C242, C250,		
		C264, C278, C406, C407		
16	8	C39, C42, C45, C48, C83, C86,	10uF/35V	
		C178, C403		
17	3	C49, C223, C273	0.1uF(2012)	
18	4	L7, L31, C55, C143	68nH	
19	1	C59	10nF(2012)	
20	4	R40, C64, R72, C154	10pF	
21	4	C65, C66, C155, C156	36pF	
22	8	C68, C72, C158, C162, C199,	43pF	
		C218, C408, C410		
23	8	C69, C70, C71, C159, C160,	82pF	
		C161, C210, C409		
24	10	C77, C78, C88, C89, C167,	56pF	
		C197, C261, C301, C351, C352		
25	2	C95, C126	3pF	
26	4	C101, C114, C382, C383	6pF	
27	2	C109, C112	4pF	
28	2	C111, C110	9pF	
29	8	L39, L44, L45, L46, L83, L102,	1.2uH	
		R143, C183		
30	9	R140, R149, C187, C224, C272,	100pF(2012)	
		C300, C307, C354, C405		
31	2	C386, C198	12pF	
32	5	L98, C206, C222, C227, C251	330pF	
33	2	C239, C214	560pF	
34	2	C257, C299	470pF	
35	4	C274, C286, C305, C314	220pF	
36	5	C287, C289, C364, C398, C417	0.5pF	
37	3	C288, C380, C418	1.5pF	
38	2	C381, C384	3.5pF	
39	1	C425	3.3pF	
40	1	C426	9pF(2012)	
41	2	C430, C427	1pF(2012)	

42	2	C429, C428	2.5pF(2012)	
43	1	DUPL1	8R4-860/937.5-18/5M	
44	1	ISO1	IL07BL(R)0881AAE	
45	6	L1, L3, L41, L69, L78, L93	22nH	
46	5	L2, L4, L74, L75, L80	15nH	
47	12	L5, L14, L16, L18, L22, L23,	12nH	
		L24, L25, L42, L73, L87, L89		
48	12	L6, L9, L11, L12, L29, L33,	180nH	
		L35, L36, L57, L62, L101, L104		
49	3	L8, L20, L32	100nH	
50	5	L10, L13, L34, L37, L54	150nH	
51	1	L15	1.2nH	
52	5	L17, L19, L47, L66, L90	47nH	
53	4	L21, L26, L86, L88	10nH	
54	3	L27, L38, L85	33nH	
55	4	L28, L40, L43, L84	6.8nH	
56	5	L30, L70, L79, L82, L91	TCFD4516(BEAD)	
57	4	L48, L61, L65, L97	220nH	
58	1	L49	82nH	
59	4	L51, L56, L95, L96	120nH	
60	2	L52, L100	330nH	
61	8	L55, L58, L60, L63, L67, L68	1uH	
		L76,L77		
62	1	L59	100nH(2012)	
63	2	L81, L64	820nH	
64	6	L71, L72, L92, L99, L105, L106	4.7nH	
65	1	L103	27nH	
66	4	MIX1, MIX2, MIX3 , MIX4	HMC399MS8	
67	1	PLL1	797.5/803MHz	
68	1	PLL2	1000MHz	
69	5	Q1, Q4, Q20, Q21, Q24	MGA53543	
70	2	Q2, Q3	MMBT2222A	
71	1	Q5	BT05CV	
72	8	Q6, Q10, Q11, Q13, Q16, Q17,	AM-1	
		Q25, Q27		

73	5	Q7, Q8, Q14, Q19, Q23	CMM6004-SC	
74	1	Q9	AH-1	
75	1	Q12	AH102	
76	2	Q15, Q26	AH31	
77	2	Q22, Q18	AG604-89	
78	1	REG1	NJM7805A	
79	2	RG2, RG1	TK11250A	
80	1	RG3	IRF4905	
81	1	RG4	1P1117-33	
82	1	RG5	MIC29303BT	
83	20	R1, R2, R3, R5, R6, R11, R12,	10kohm	
		R13, R14, R16, R17, R28, R29,		
		R30, R60, R61, R62, R142,		
		R144, R146		
84	5	R4, R23, R126, R129, R150	10ohm(2012)	
85	6	R7, R9, R38, R39, R53, R54	470ohm	
86	3	R8, R33, R56	12ohm	
87	4	R10, R20, R21, R35	47kohm	
88	23	R15, R18, R19, R22, R52, R55,	0ohm	
		R66, R95, R96, R97, R98, R111,		
		R117, R132, R136, R147, R148,		
		R159, R177, R178, R179, R180, R181		
89	1	R24	5.6ohm(2012)	
90	4	R25, R37, R46, R48	300ohm	
91	8	R26, R57, R58, R68, R107,	12ohm(2012)	
		R110, R154, R175		
92	1	R27	1Mohm(2012)	
93	2	R31, R47	18ohm	
94	8	R32, R69, R118, R134, R138,	51ohm	
		R145, R152, R155		
95	4	R34, R67, R89, R168	5.1ohm	
96	1	R36	4.7kohm	
97	2	R73, R41	820ohm	
98	1	R42	1.2kohm	
99	14	R43, R44, R70, R74, R102,	180ohm	

		R105, R124, R125, R131, R139,		
		R166, R167, R190, R193		
100	5	R45, R75, R121, R133, R161	30ohm	
101	8	R49, R50, R51, R84, R106,	3.3ohm(2012)	
		R115, R176, R189		
102	15	R65, R88, R93, R94, R103,	1kohm	
		R104, R119, R153, R158, R171,		
		R182, R185, R186, R191, R192		
103	1	R76	15ohm(2012)	
104	11	R77, R79, R81, R82, R83, R99,	100ohm	
		R120, R130, R169, R170, R172		
105	2	R78, R165	75ohm	
106	2	R90, R80	150ohm	
107	2	R85, R91	47ohm	
108	2	R92, R86	47ohm(thermistor)	
109	1	R108	51ohm(2012)	
110	2	R113, R163	4.7ohm(2012)	
111	1	SAW1	511436	
112	1	SAW2	511676	
113	1	TR1	MGF-0906B	
114	1	TXCO1	TCXO(10MHz)	
115	1	U1	NJM2903	
116	1	U2	74HC14	
117	4	U3, U4, U6, U17	PE4302	
118	3	U5, U15, U21	BD09B	
119	5	U7, U13, U19, U20, U22	KIA358F	
120	5	U8, U12, U14, U16, U18	AD8362ARU	
121	1	U9	PIC12C508	
122	2	U24, U10	MA4P274-1225T	
123	1	U11	NJU7660	
124	3	VR1, VR2, VR3	10kohm(3266)	
125	5	RF CONNECTOR	SMB(F)S-T4R	
126	1	SIGNAL INTERFACE	HIF3FC-26PA-2.54DS	
127	1	POWER INTERFACE	MOLEX 5267-4	