

Bill of Material for DDS\_ATT.Bom Revision 2 as of 2010/05/08

Notes: Subject to Changes. Some part types may need to be changed to suit particular construction requirements  
SMA connectors may be substituted with other types such as SMB, SMC or direct cable connections  
Use 71x52x27mm Weissblechgehaeuse  
Use Copper foil and rubber sheet between covers to create watertight RF seal to avoid attenuator RF leakage

Used	Part Type	Designator	Footprint	Part Field 1	Part Field 2	Part Field 3	Part Field 4	Part Field 6	Part Field 7
1	0R	W1	0805N2	RES 0.0 OHM 1/8W 5% 0805 SMD	ERJ-6GEY0R00V	P0.0ACT-ND	Digi-Key	0.08500	10
9	0u1	C1 C3 C4 C5 C8 C9 C10 C11 C12	0805N2	CAP CER .1UF 25V X7R 0805 FT	0805X104K3RACTU	399-5332-1-ND	Digi-Key	0.72600	10
1	4u7	C2	6032	CAPACITOR TANT 4.7UF 20V 10% SMD	TAJ475K020RNJ	478-5808-1-ND	Digi-Key	0.80000	1
1	5V6	D9	SMA-DIODE	DIODE ZENER 5.6V 1W SMA	SMZ5V6-13-F	SMZ5V6-FDICT-ND	Digi-Key	0.48000	1
1	6R19	R3	0805N2	RES 6.19 OHM 1/8W 1% 0805 SMD	RC0805FR-076R19L	311-6.19CRCT-ND	Digi-Key		*
2	10uH	RFC1 RFC2	1210N2	INDUCTOR POWER 10UH 1210	NLCV32T-100K-PF	445-1538-1-ND	Digi-Key	0.32000	1
1	11R5	R6	0805N2	RES 11.5 OHM 1/8W 1% 0805 SMD	ERJ-6ENF11R5V	P11.5CCT-ND	Digi-Key	0.10000	10
1	23R7	R9	0805N2	RES 23.7 OHM 1/8W 1% 0805 SMD	ERJ-6ENF23R7V	P23.7CCT-ND	Digi-Key	0.09100	10
1	52R3	R12	0805N2	RES 52.3 OHM 1/8W 1% 0805 SMD	ERJ-6ENF52R3V	P52.3CCT-ND	Digi-Key	0.09100	10
14	69R8	R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26	0805N2	RES 69.8 OHM 1/8W 1% 0805 SMD	ERJ-6ENF69R8V	P69.8CCT-ND	Digi-Key	0.09100	10
6	100K	R37 R38 R39 R40 R41 R42	0805N2	RES 100K OHM 1/8W 5% 0805 SMD	ERJ-6GEYJ104V	P100KACT-ND	Digi-Key	0.08500	10
2	100R	R35 R36	0805N2	RES 100 OHM 1/8W 5% 0805 SMD	ERJ-6GEYJ101V	P100ACT-ND	Digi-Key	0.08500	10
1	100uF	C13	7343	CAP TANTALUM 100UF 16V 20% SMD	B45196H3107M409	495-2256-1-ND	Digi-Key	0.98000	1
2	118R	R10 R11	0805N2	RES 118 OHM 1/8W 1% 0805 SMD	ERJ-6ENF1180V	P118CCT-ND	Digi-Key	0.09100	10
7	154R	R27 R28 R29 R30 R31 R32 R33	0805N2	RES 154 OHM 1/8W 1% 0805 SMD	ERJ-6ENF1540V	P154CCT-ND	Digi-Key	0.09100	10
2	221R	R7 R8	0805N2	RES 221 OHM 1/8W 1% 0805 SMD	RMCF 1/10 221 1% R	RMCF1/10221FRCT-ND	Digi-Key	0.02900	10
2	432R	R4 R5	0805N2	RES 432 OHM 1/8W 1% 0805 SMD	MCR10EZPF4320	RHM432CRCT-ND	Digi-Key	0.03800	10
2	866R	R1 R2	0805N2	RES 866 OHM 1/8W 1% 0805 SMD	ERJ-6ENF8660V	P866CCT-ND	Digi-Key		*
1	ADDR SEL	JP1	HEADER-4X2M	CONN HEADER 8POS 2MM VERT GOLD	87758-0816	WM18835-ND	Digi-Key	1.16000	1
1	AT24C08B	U2	SO-8N2	IC EEPROM 8KBIT 1MHZ 8SOIC	AT24C08BN-SH-B	AT24C08BN-SH-B-ND	Digi-Key	0.51000	1
8	BAS16A	D1 D2 D3 D4 D5 D6 D7 D8	SOT-23	DIODE SWITCHING 85V SOT-23	BAS16E6327	BAS16INCT-ND	Digi-Key	0.28600	10
1	CON5	J3	HEADER-5X1	To be determined	*	*	*	*	*
7	FB	RFC3 RFC4 RFC5 RFC7 RFC8 RFC9 RFC10	1206N2	FERRITE 500MA 1875 OHMS 1206 SMD	HZ1206E152R-10	240-2548-1-ND	Digi-Key	0.10800	10
8	G6K-2P	K1 K2 K3 K4 K5 K6 K7 K8	DIP8-SP1	RELAY PC MNT DPDT 1A 12V	Number G6K-2P-Y DC12	Z133-ND	Digi-Key	4.02000	1
1	LM78L05	U3	TO-92AR	IC REG 0.1A 0-125DEG C TO-92	LM78L05ACZ	LM78L05ACZFS-ND	Digi-Key	0.51000	1
2	SMA	J1 J2	SMA-142-0711-821	CONN FEMALE EDGE MT FOR .062" BD	CONSMSA003.062	CONSMSA003.062-ND	Digi-Key	3.83000	1
1	TPIC2810	U1	SO-16N2	IC LED DRIVER LINEAR 16-SOIC	TPIC2810D	296-13746-5-ND	Digi-Key	2.94	1