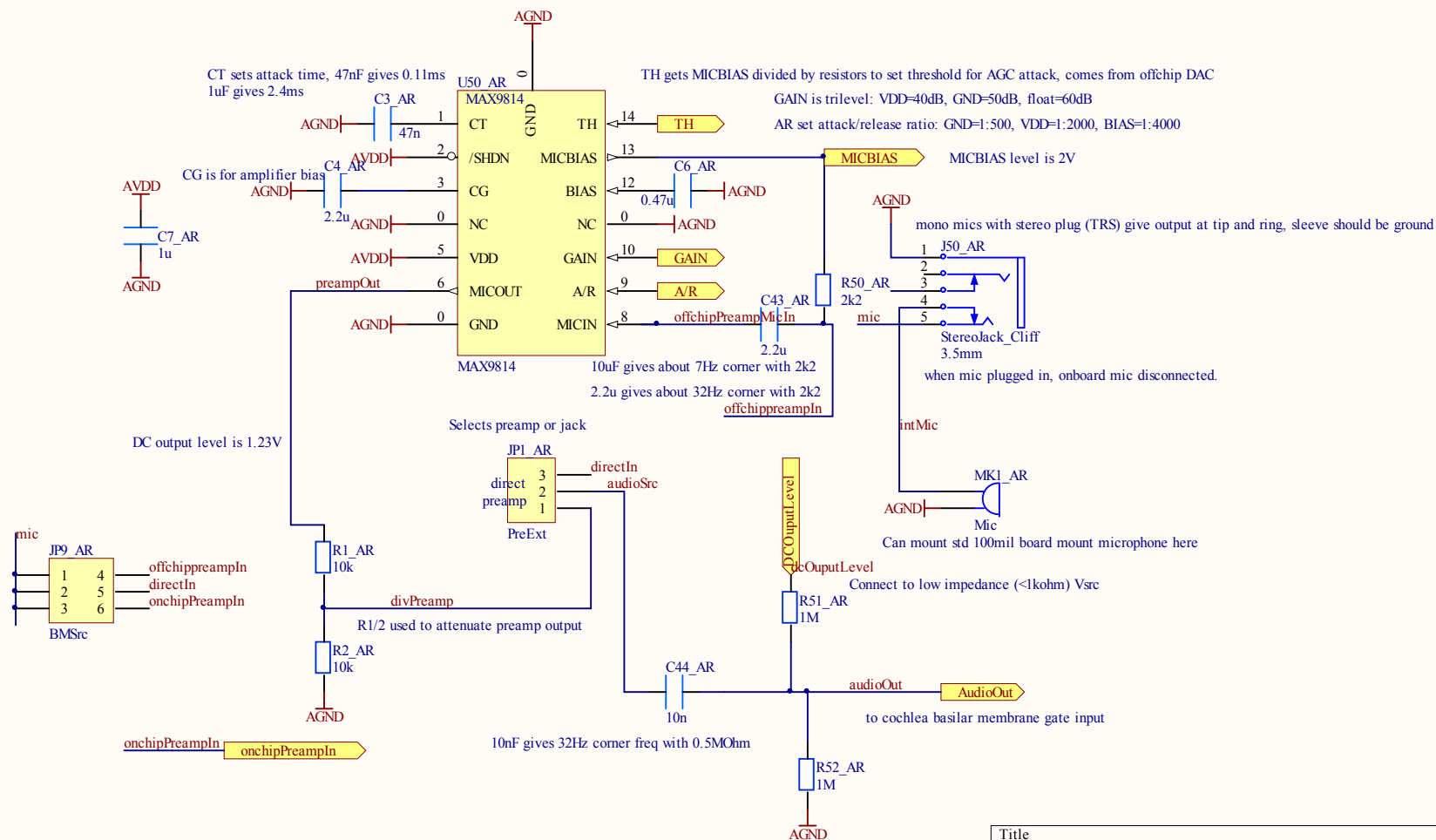
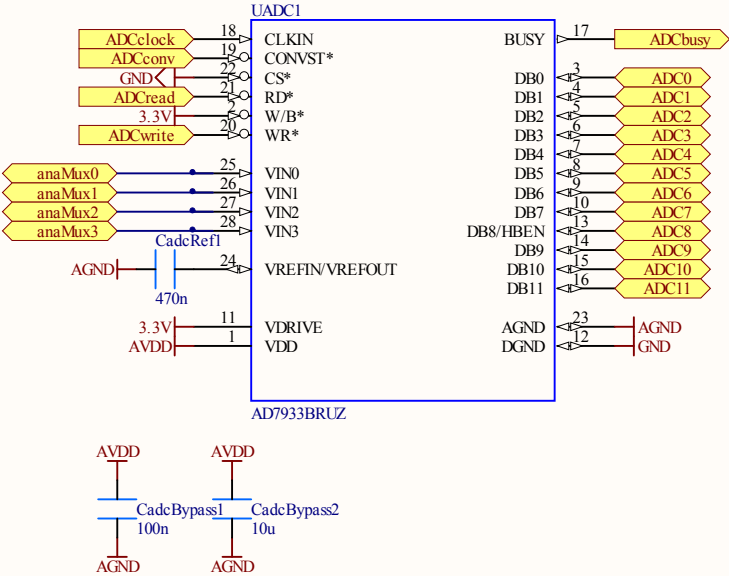


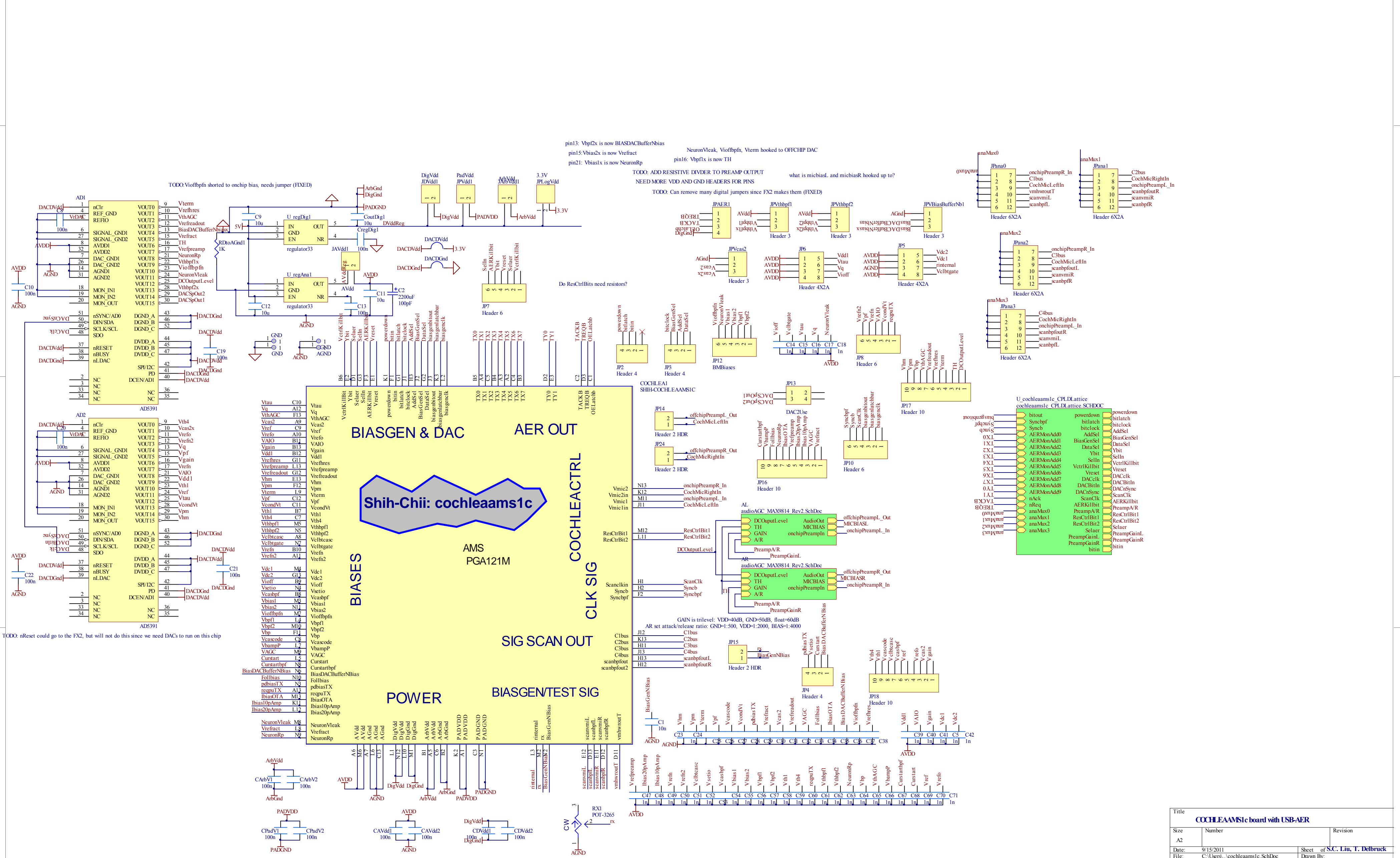
Title		
USB-AER cochlea daughterboard / Audio channel		
Size	Number	Revision
A4	rev2	
Date:	9/15/2011	Sheet of
File:	C:\Users\...\audioAGC_MAX9814_Rev2.Sch	Drawn By:



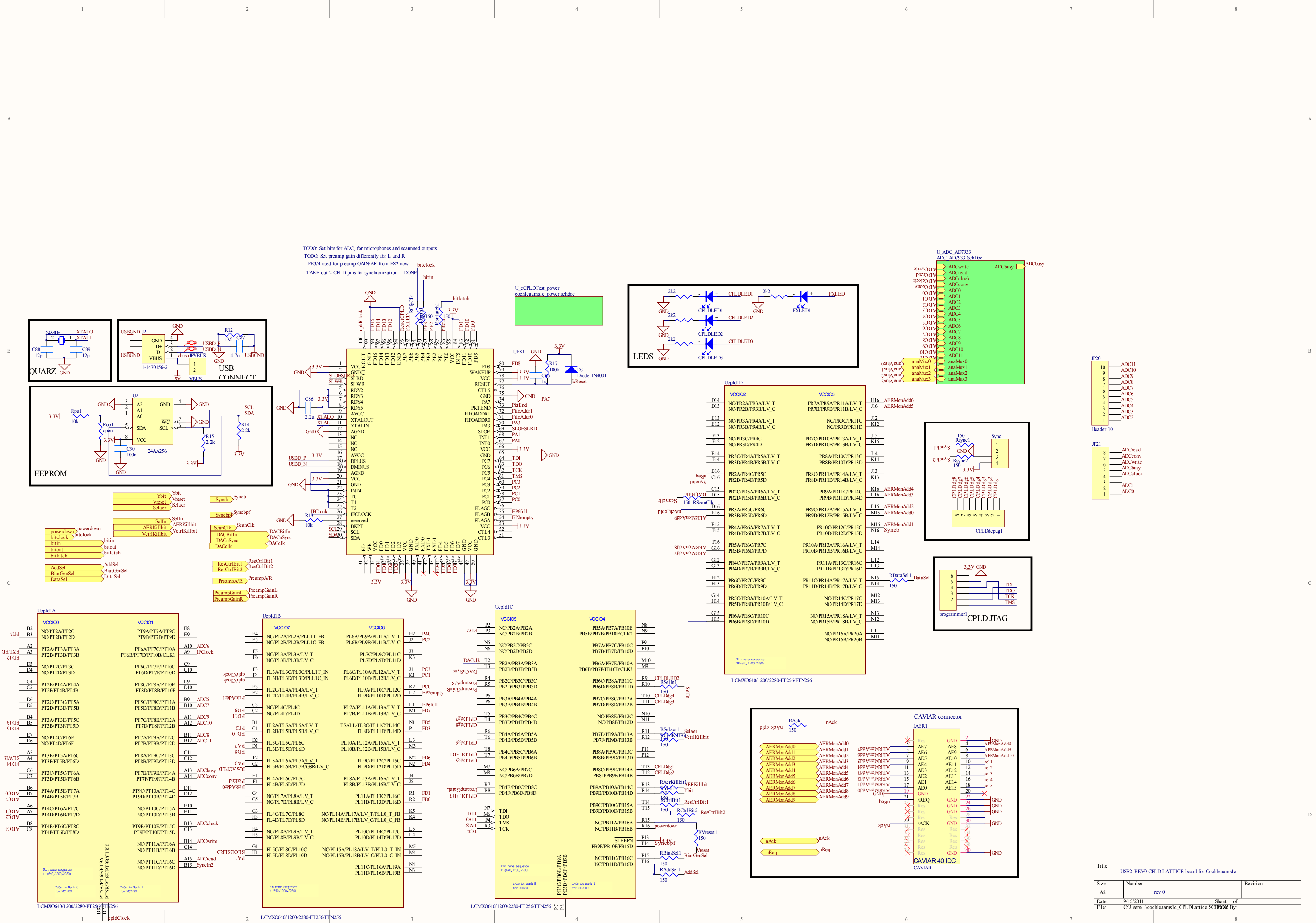
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USB-AER cochlea daughterboard / Audio channel		
Size	Number	Revision
A4	rev2	
Date:	9/15/2011	Sheet of
File:	C:\Users\...\audioAGC_MAX9814_Rev2.Sch	Drawn By:



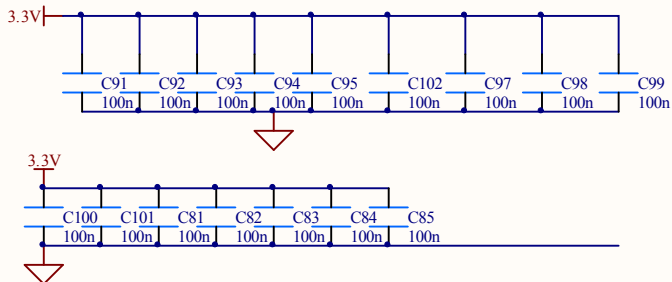
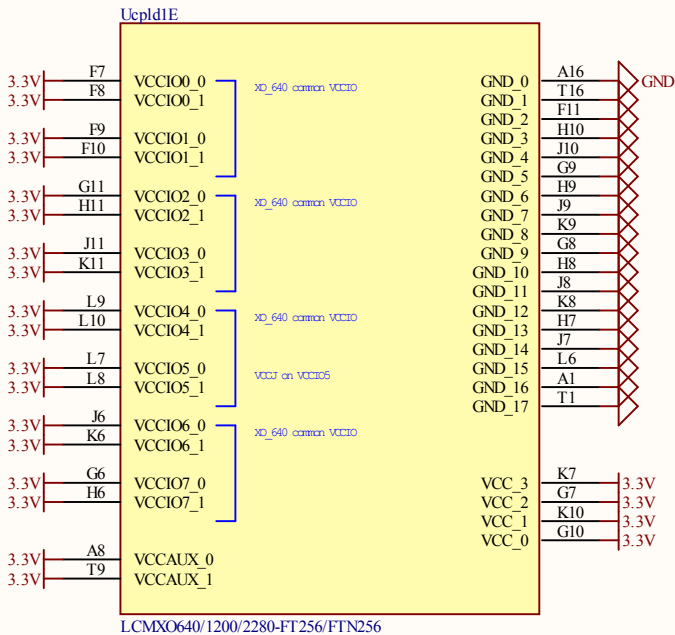
Title		
A/D converter for microphone outputs and scanned cochlea outputs of cochleaams1c		
Size	Number	Revision
A4		rev0
Date:	9/15/2011	Sheet of
File:	C:\Users\...\ADC_AD7933.SchDoc	Drawn By: Raphael Berner



Title		
COCHLEAAMS1c board with USB-AER		
Size	Number	Revision
A2		
Date:	9/15/2011	Sheet of S.C. Liu, T. Delbruck
File:	C:\Users\... \cochleaams1c.SchDoc	Dawn By:

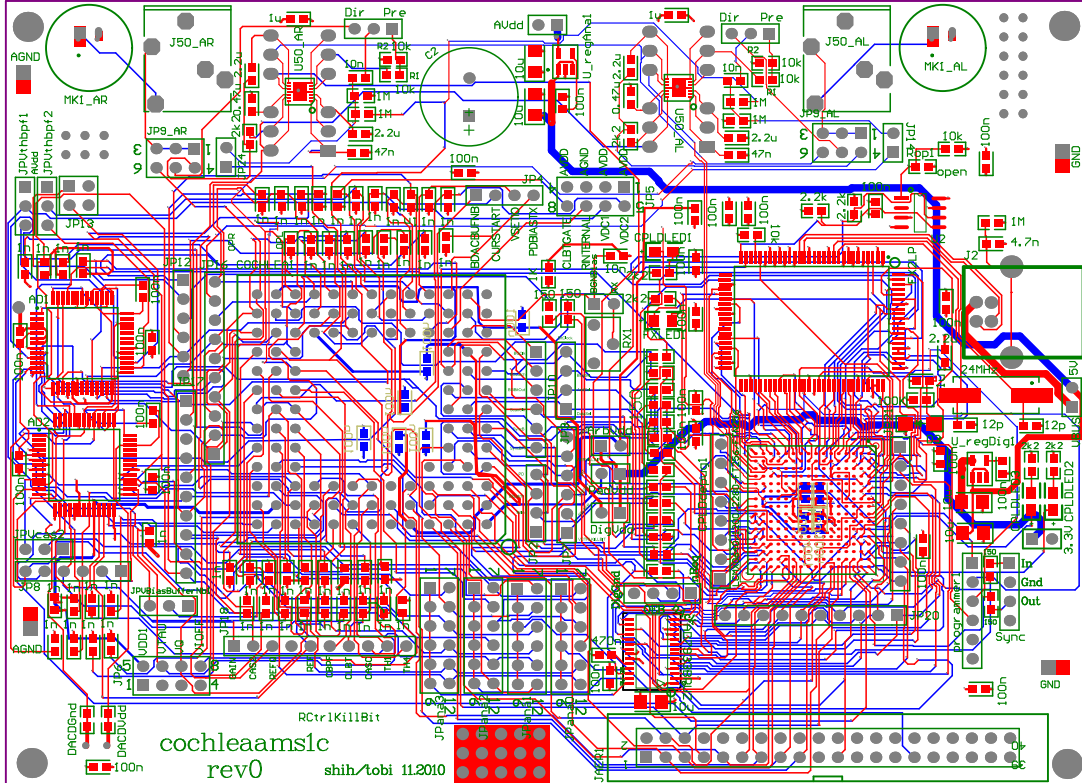


MOUNTING FOR STANDS AND TRIPOD



Title		
Power for CPLD LATTICE for Cochleaams1c		
Size	Number	Revision
A		
Date:	9/15/2011	Sheet of
File:	C:\Users\... \cochleaams1c_power.schdoc	Drawn By:

104.14mm



143.51mm

Bill of Materials

COCHLEAMS1B BOARD

Source Data From:	<u>cochleasams1c.PrjPCB</u>
Project:	<u>cochleasams1c.PrjPCB</u>
Variant:	<u>None</u>

Creation Date:	9/15/2011	11:38:10 AM
Print Date:	40801	40801.48494

Footprint	Comment	LibRef	Designator	Description	Quantity
OPF10x10- G52N		ADS591	AD1, AD2	Analog Devices DAC 16 ch, 12 bit	2
CC1608-0803	10n	CapSMT	C1_C4L_A1_C4A_AIR	SMT capacitor	3
CAPPRS- 15x25	2200uF	Cap Pol1	C2	Polarized Capacitor (Radial)	2
CC1608-0803	47n	CapSMT	C13_C1_C3_AR	SMT capacitor	1
CC1608-0803	2.2u	CapSMT	C4_C14_C18_C43_A1_C43_AR_C86	SMT capacitor	5
CC1608-0803	1u	CapSMT	C5_C14_C15_C16_C17_C18_C23_C24_C25_C26_C27_C28_C29_C30_C31_C32_C33_C34_C35_C36_C37_C38_C39_C40_C41_C42_C47_C48_C49_C50_C51_C52_C53_C54_C55_C56_C57_C58_C59_C60_C61_C62_C63_C64_C65_C66_C67_C68_C69_C70_C71	SMT capacitor	51
CC1608-0803	0.47u	CapSMT	C6_LAL_C6_AR	SMT capacitor	1
CC1608-0803	1u	CapSMT	C7_AL_C7_AR_C86	SMT capacitor	3
CC1608-0803	100n	CapSMT	C8_C10_C13_C16_C20_C21_C22_C81_C82_C83_C84_C85_C89_C91_C92_C93_C94_C95_C97_C98_C99_C100_C101_C102_CadCbyPass1_CAdVd1_V_CAdV2_CAdVd1_CAdV2_CDVd1_CDVd2_CDVd1_CDVd2_CoutDg1	SMT capacitor	34
CC3216-1206	10u	CapSMT	CK_C11_C12_CadCbyPass2_CoutDg1	SMT capacitor	5
CC1608-0803	47n	CapSMT	C87	SMT capacitor	1
CC1608-0803	12p	CapSMT	C88_C89	SMT capacitor	2
CC1608-0803	470n	CapSMT	CadCRefR	SMT capacitor	1
PGA120x13- Extra	SHH- COCHLEAAMS IC	SHH- COCHLEAAMS IC	COCHLEA1	MOSIS - PGA121M	1
HER198	Header 8	Header 8	CP1Dbugp1_JP21	Header, 8-Pin	2
HER192	CP1DLED	LED	CP1DLED1	LED, SMT 3mm by 1.5mm	1
080SLD	CP1D2	LED	CP1DLED2	LED, SMT 3mm by 1.5mm	1
080SLD	CP1D3	LED	CP1DLED3	LED, SMT 3mm by 1.5mm	1
SMA	Diode 1N4001	Diode 1N4001	D3	1 Amp General Purpose Rectifier	1
080SLD	FX	LED	PXLED1	LED, SMT 3mm by 1.5mm	1
usbMolex	1-1470156-2	1-1470156-2	J2	USB 1.1, Right Angle, Thru-Hole, B Type, Replaceable, 4 Position, Black	1
testPoint	AGND	J3	J3		2
testPoint	GND	testPoint	JA_38		2
JP358	StenoJack, Off	IC	ISO_AL_550_AR	Header, 4-Pin	2
HER2X20	CAVVAR	CAVVAR 40 IDC	J4ER1	CAVVAR 40 pin IDC header	1
with shell	ArVid	Header 2	J4V1Vd1	Header, 2-Pin	1
HER192	ArVid2	Header 2	J4V1Vd2	Header, 2-Pin	1
HER192	DgVid	Header 2	J4V1Vd3	Header, 2-Pin	1
HER192	PreXct	Header 3	JP2_C1_P1_AR	Header, 3-Pin	2
HER194	Header 4	Header 4	JP2_C1_P3_P4_P5AR1_Sync	Header, 4-Pin	2
HER2M_C	Header 4X2A	Header 4X2A	JP3_P5_P6	Header, 4-Pin, Dual row	2
N	Header 6	Header 6	JP7_P7_P8_P9	Header, 6-Pin, Dual row	3
HER2M_C	BMSrc	Header 3X2A	JP12_P12_P9_AR	Header, 3-Pin, Dual row	2
N	BMBias	Header 6	JP19	Header, 6-Pin	1
HER2M_C	DAC2Use	Header 2X2	JP13	Header, 2-Pin, Dual row	1
HER192	Header 2 HDR	Header 2 HDR	JP14_JP15_JP24	Header, 2-Pin	3
HER1910	Header 10	Header 10	JP16_JP17_JP18_JP20	Header, 10-Pin	1
HER2M_C	Header 6X2A	Header 6X2A	JPanad_JPanad1_JPanad2_JPanad3	Header, 6-Pin, Dual row	4
N	3.3V	Header 2	JP19Vd1	Header, 2-Pin	1
Header 2	Header 3	Header 3	JP3VBusBullenb1_JP3Vas2_JP3VInp1_JP3VInp2	Header, 3-Pin	1
HER192	VBUS	Header 2	JP3VBus2	Header, 2-Pin	1
HER192	PdVid	Header 2	JP3Vd1	Header, 2-Pin	1
M349e	M349e	M349e	M1_M2_M3_M4	Header, 4-Pin	1
MIC_10mm	Mic1	Mic1	MKT_AL_MKT_AR	Microphone	2
HER196	Header 6	Header 6	programmer	Header, 6-Pin	1
CR1608-0803	10k	Res	R1_AL_R1_AR_R2_AL_R2_AR	Resistor	4
C1608-0803	1M	Res3	R12	Resistor	1
C1608-0803	10k	Res3	R13_Rfu1	Resistor	2
C1608-0803	2.2k	Res3	R14	Resistor	1
CR1608-0803	2.2k	Res3	R15	Resistor	1
C1608-0803	100k	Res3	R17	Resistor	1
CR1608-0803	3k2	Res, Res3	R50_AL_R50_AR_ResCP1DLED1_ResCP1DLED2_ResCP1DLED3_ResCP1DLED4_ResCP1DLED5	Resistor	6
CR1608-0803	1M	Res	R51_AL_R51_AR_R52_AL_R52_AR	Resistor	2
C1608-0803	150	Res3	RACK_RAdSmt1_RAdKIB1B1_RAdSmt2_RAdKIB1B1_RAdSmt3_RAdKIB1B1_RAdSmt4_RAdKIB1B1_RAdSmt5_RAdKIB1B1_RAdSmt6_RAdKIB1B1_RAdSmt7_RAdKIB1B1_RAdSmt8_RAdKIB1B1_RAdSmt9_RAdKIB1B1_RAdSmt10_RAdKIB1B1_RAdSmt11_RAdKIB1B1_RAdSmt12_RAdKIB1B1_RAdSmt13_RAdKIB1B1_RAdSmt14_RAdKIB1B1_RAdSmt15_RAdKIB1B1_RAdSmt16_RAdKIB1B1_RAdSmt17_RAdKIB1B1_RAdSmt18_RAdKIB1B1_RAdSmt19_RAdKIB1B1_RAdSmt20_RAdKIB1B1_RAdSmt21_RAdKIB1B1_RAdSmt22_RAdKIB1B1_RAdSmt23_RAdKIB1B1_RAdSmt24_RAdKIB1B1_RAdSmt25_RAdKIB1B1_RAdSmt26_RAdKIB1B1_RAdSmt27_RAdKIB1B1_RAdSmt28_RAdKIB1B1_RAdSmt29_RAdKIB1B1_RAdSmt30_RAdKIB1B1_RAdSmt31_RAdKIB1B1_RAdSmt32_RAdKIB1B1_RAdSmt33_RAdKIB1B1_RAdSmt34_RAdKIB1B1_RAdSmt35_RAdKIB1B1_RAdSmt36_RAdKIB1B1_RAdSmt37_RAdKIB1B1_RAdSmt38_RAdKIB1B1_RAdSmt39_RAdKIB1B1_RAdSmt40_RAdKIB1B1_RAdSmt41_RAdKIB1B1_RAdSmt42_RAdKIB1B1_RAdSmt43_RAdKIB1B1_RAdSmt44_RAdKIB1B1_RAdSmt45_RAdKIB1B1_RAdSmt46_RAdKIB1B1_RAdSmt47_RAdKIB1B1_RAdSmt48_RAdKIB1B1_RAdSmt49_RAdKIB1B1_RAdSmt50_RAdKIB1B1_RAdSmt51_RAdKIB1B1_RAdSmt52_RAdKIB1B1_RAdSmt53_RAdKIB1B1_RAdSmt54_RAdKIB1B1_RAdSmt55_RAdKIB1B1_RAdSmt56_RAdKIB1B1_RAdSmt57_RAdKIB1B1_RAdSmt58_RAdKIB1B1_RAdSmt59_RAdKIB1B1_RAdSmt60_RAdKIB1B1_RAdSmt61_RAdKIB1B1_RAdSmt62_RAdKIB1B1_RAdSmt63_RAdKIB1B1_RAdSmt64_RAdKIB1B1_RAdSmt65_RAdKIB1B1_RAdSmt66_RAdKIB1B1_RAdSmt67_RAdKIB1B1_RAdSmt68_RAdKIB1B1_RAdSmt69_RAdKIB1B1_RAdSmt70_RAdKIB1B1_RAdSmt71_RAdKIB1B1_RAdSmt72_RAdKIB1B1_RAdSmt73_RAdKIB1B1_RAdSmt74_RAdKIB1B1_RAdSmt75_RAdKIB1B1_RAdSmt76_RAdKIB1B1_RAdSmt77_RAdKIB1B1_RAdSmt78_RAdKIB1B1_RAdSmt79_RAdKIB1B1_RAdSmt80_RAdKIB1B1_RAdSmt81_RAdKIB1B1_RAdSmt82_RAdKIB1B1_RAdSmt83_RAdKIB1B1_RAdSmt84_RAdKIB1B1_RAdSmt85_RAdKIB1B1_RAdSmt86_RAdKIB1B1_RAdSmt87_RAdKIB1B1_RAdSmt88_RAdKIB1B1_RAdSmt89_RAdKIB1B1_RAdSmt90_RAdKIB1B1_RAdSmt91_RAdKIB1B1_RAdSmt92_RAdKIB1B1_RAdSmt93_RAdKIB1B1_RAdSmt94_RAdKIB1B1_RAdSmt95_RAdKIB1B1_RAdSmt96_RAdKIB1B1_RAdSmt97_RAdKIB1B1_RAdSmt98_RAdKIB1B1_RAdSmt99_RAdKIB1B1_RAdSmt100_RAdKIB1B1_RAdSmt101_RAdKIB1B1_RAdSmt102_RAdKIB1B1_RAdSmt103_RAdKIB1B1_RAdSmt104_RAdKIB1B1_RAdSmt105_RAdKIB1B1_RAdSmt106_RAdKIB1B1_RAdSmt107_RAdKIB1B1_RAdSmt108_RAdKIB1B1_RAdSmt109_RAdKIB1B1_RAdSmt110_RAdKIB1B1_RAdSmt111_RAdKIB1B1_RAdSmt112_RAdKIB1B1_RAdSmt113_RAdKIB1B1_RAdSmt114_RAdKIB1B1_RAdSmt115_RAdKIB1B1_RAdSmt116_RAdKIB1B1_RAdSmt117_RAdKIB1B1_RAdSmt118_RAdKIB1B1_RAdSmt119_RAdKIB1B1_RAdSmt120_RAdKIB1B1_RAdSmt121_RAdKIB1B1_RAdSmt122_RAdKIB1B1_RAdSmt123_RAdKIB1B1_RAdSmt124_RAdKIB1B1_RAdSmt125_RAdKIB1B1_RAdSmt126_RAdKIB1B1_RAdSmt127_RAdKIB1B1_RAdSmt128_RAdKIB1B1_RAdSmt129_RAdKIB1B1_RAdSmt130_RAdKIB1B1_RAdSmt131_RAdKIB1B1_RAdSmt132_RAdKIB1B1_RAdSmt133_RAdKIB1B1_RAdSmt134_RAdKIB1B1_RAdSmt135_RAdKIB1B1_RAdSmt136_RAdKIB1B1_RAdSmt137_RAdKIB1B1_RAdSmt138_RAdKIB1B1_RAdSmt139_RAdKIB1B1_RAdSmt140_RAdKIB1B1_RAdSmt141_RAdKIB1B1_RAdSmt142_RAdKIB1B1_RAdSmt143_RAdKIB1B1_RAdSmt144_RAdKIB1B1_RAdSmt145_RAdKIB1B1_RAdSmt146_RAdKIB1B1_RAdSmt147_RAdKIB1B1_RAdSmt148_RAdKIB1B1_RAdSmt149_RAdKIB1B1_RAdSmt150_RAdKIB1B1_RAdSmt151_RAdKIB1B1_RAdSmt152_RAdKIB1B1_RAdSmt153_RAdKIB1B1_RAdSmt154_RAdKIB1B1_RAdSmt155_RAdKIB1B1_RAdSmt156_RAdKIB1B1_RAdSmt157_RAdKIB1B1_RAdSmt158_RAdKIB1B1_RAdSmt159_RAdKIB1B1_RAdSmt160_RAdKIB1B1_RAdSmt161_RAdKIB1B1_RAdSmt162_RAdKIB1B1_RAdSmt163_RAdKIB1B1_RAdSmt164_RAdKIB1B1_RAdSmt165_RAdKIB1B1_RAdSmt166_RAdKIB1B1_RAdSmt167_RAdKIB1B1_RAdSmt168_RAdKIB1B1_RAdSmt169_RAdKIB1B1_RAdSmt170_RAdKIB1B1_RAdSmt171_RAdKIB1B1_RAdSmt172_RAdKIB1B1_RAdSmt173_RAdKIB1B1_RAdSmt174_RAdKIB1B1_RAdSmt175_RAdKIB1B1_RAdSmt176_RAdKIB1B1_RAdSmt177_RAdKIB1B1_RAdSmt178_RAdKIB1B1_RAdSmt179_RAdKIB1B1_RAdSmt180_RAdKIB1B1_RAdSmt181_RAdKIB1B1_RAdSmt182_RAdKIB1B1_RAdSmt183_RAdKIB1B1_RAdSmt184_RAdKIB1B1_RAdSmt185_RAdKIB1B1_RAdSmt186_RAdKIB1B1_RAdSmt187_RAdKIB1B1_RAdSmt188_RAdKIB1B1_RAdSmt189_RAdKIB1B1_RAdSmt190_RAdKIB1B1_RAdSmt191_RAdKIB1B1_RAdSmt192_RAdKIB1B1_RAdSmt193_RAdKIB1B1_RAdSmt194_RAdKIB1B1_RAdSmt195_RAdKIB1B1_RAdSmt196_RAdKIB1B1_RAdSmt197_RAdKIB1B1_RAdSmt198_RAdKIB1B1_RAdSmt199_RAdKIB1B1_RAdSmt200_RAdKIB1B1_RAdSmt201_RAdKIB1B1_RAdSmt202_RAdKIB1B1_RAdSmt203_RAdKIB1B1_RAdSmt204_RAdKIB1B1_RAdSmt205_RAdKIB1B1_RAdSmt206_RAdKIB1B1_RAdSmt207_RAdKIB1B1_RAdSmt208_RAdKIB1B1_RAdSmt209_RAdKIB1B1_RAdSmt210_RAdKIB1B1_RAdSmt211_RAdKIB1B1_RAdSmt212_RAdKIB1B1_RAdSmt213_RAdKIB1B1_RAdSmt214_RAdKIB1B1_RAdSmt215_RAdKIB1B1_RAdSmt216_RAdKIB1B1_RAdSmt217_RAdKIB1B1_RAdSmt218_RAdKIB1B1_RAdSmt219_RAdKIB1B1_RAdSmt220_RAdKIB1B1_RAdSmt221_RAdKIB1B1_RAdSmt222_RAdKIB1B1_RAdSmt223_RAdKIB1B1_RAdSmt224_RAdKIB1B1_RAdSmt225_RAdKIB1B1_RAdSmt226_RAdKIB1B1_RAdSmt227_RAdKIB1B1_RAdSmt228_RAdKIB1B1_RAdSmt229_RAdKIB1B1_RAdSmt230_RAdKIB1B1_RAdSmt231_RAdKIB1B1_RAdSmt232_RAdKIB1B1_RAdSmt233_RAdKIB1B1_RAdSmt234_RAdKIB1B1_RAdSmt235_RAdKIB1B1_RAdSmt236_RAdKIB1B1_RAdSmt237_RAdKIB1B1_RAdSmt238_RAdKIB1B1_RAdSmt239_RAdKIB1B1_RAdSmt240_RAdKIB1B1_RAdSmt241_RAdKIB1B1_RAdSmt242_RAdKIB1B1_RAdSmt243_RAdKIB1B1_RAdSmt244_RAdKIB1B1_RAdSmt245_RAdKIB1B1_RAdSmt246_RAdKIB1B1_RAdSmt247_RAdKIB1B1_RAdSmt248_RAdKIB1B1_RAdSmt249_RAdKIB1B1_RAdSmt250_RAdKIB1B1_RAdSmt251_RAdKIB1B1_RAdSmt252_RAdKIB1B1_RAdSmt253_RAdKIB1B1_RAdSmt254_RAdKIB1B1_RAdSmt255_RAdKIB1B1_RAdSmt256_RAdKIB1B1_RAdSmt257_RAdKIB1B1_RAdSmt258_RAdKIB1B1_RAdSmt259_RAdKIB1B1_RAdSmt260_RAdKIB1B1_RAdSmt261_RAdKIB1B1_RAdSmt262_RAdKIB1B1_RAdSmt263_RAdKIB1B1_RAdSmt264_RAdKIB1B1_RAdSmt265_RAdKIB1B1_RAdSmt266_RAdKIB1B1_RAdSmt267_RAdKIB1B1_RAdSmt268_RAdKIB1B1_RAdSmt269_RAdKIB1B1_RAdSmt270_RAdKIB1B1_RAdSmt271_RAdKIB1B1_RAdSmt272_RAdKIB1B1_RAdSmt273_RAdKIB1B1_RAdSmt274_RAdKIB1B1_RAdSmt275_RAdKIB1B1_RAdSmt276_RAdKIB1B1_RAdSmt277_RAdKIB1B1_RAdSmt278_RAdKIB1B1_RAdSmt279_RAdKIB1B1_RAdSmt280_RAdKIB1B1_RAdSmt281_RAdKIB1B1_RAdSmt282_RAdKIB1B1_RAdSmt283_RAdKIB1B1_RAdSmt284_RAdKIB1B1_RAdSmt285_RAdKIB1B1_RAdSmt286_RAdKIB1B1_RAdSmt287_RAdKIB1B1_RAdSmt288_RAdKIB1B1_RAdSmt289_RAdKIB1B1_RAdSmt290_RAdKIB1B1_RAdSmt291_RAdKIB1B1_RAdSmt292_RAdKIB1B1_RAdSmt293_RAdKIB1B1_RAdSmt294_RAdKIB1B1_RAdSmt295_RAdKIB1B1_RAdSmt296_RAdKIB1B1_RAdSmt297_RAdKIB1B1_RAdSmt298_RAdKIB1B1_RAdSmt299_RAdKIB1B1_RAdSmt300_RAdKIB1B1_RAdSmt301_RAdKIB1B1_RAdSmt302_RAdKIB1B1_RAdSmt303_RAdKIB1B1_RAdSmt304_RAdKIB1B1_RAdSmt305_RAdKIB1B1_RAdSmt306_RAdKIB1B1_RAdSmt307_RAdKIB1B1_RAdSmt308_RAdKIB1B1_RAdSmt309_RAdKIB1B1_RAdSmt310_RAdKIB1B1_RAdSmt311_RAdKIB1B1_RAdSmt312_RAdKIB1B1_RAdSmt313_RAdKIB1B1_RAdSmt314_RAdKIB1B1_RAdSmt315_RAdKIB1B1_RAdSmt316_RAdKIB1B1_RAdSmt317_RAdKIB1B1_RAdSmt318_RAdKIB1B1_RAdSmt319_RAdKIB1B1_RAdSmt320_RAdKIB1B1_RAdSmt321_RAdKIB1B1_RAdSmt322_RAdKIB1B1_RAdSmt323_RAdKIB1B1_RAdSmt324_RAdKIB1B1_RAdSmt325_RAdKIB1B1_RAdSmt326_RAdKIB1B1_RAdSmt327_RAdKIB1B1_RAdSmt328_RAdKIB1B1_RAdSmt329_RAdKIB1B1_RAdSmt330_RAdKIB1B1_RAdSmt331_RAdKIB1B1_RAdSmt332_RAdKIB1B1_RAdSmt333_RAdKIB1B1_RAdSmt334_RAdKIB1B1_RAdSmt335_RAdKIB1B1_RAdSmt336_RAdKIB1B1_RAdSmt337_RAdKIB1B1_RAdSmt338_RAdKIB1B1_RAdSmt339_RAdKIB1B1_RAdSmt340_RAdKIB1B1_RAdSmt341_RAdKIB1B1_RAdSmt342_RAdKIB1B1_RAdSmt343_RAdKIB1B1_RAdSmt344_RAdKIB1B1_RAdSmt345_RAdKIB1B1_RAdSmt346_RAdKIB1B1_RAdSmt347_RAdKIB1B1_RAdSmt348_RAdKIB1B1_RAdSmt349_RAdKIB1B1_RAdSmt350_RAdKIB1B1_RAdSmt351_RAdKIB1B1_RAdSmt352_RAdKIB1B1_RAdSmt353_RAdKIB1B1_RAdSmt354_RAdKIB1B1_RAdSmt355_RAdKIB1B1_RAdSmt356_RAdKIB1B1_RAdSmt357_RAdKIB1B1_RAdSmt358_RAdKIB1B1_RAdSmt359_RAdKIB1B1_RAdSmt360_RAdKIB1B1_RAdSmt361_RAdKIB1B1_RAdSmt362_RAdKIB1B1_RAdSmt363_RAdKIB1B1_RAdSmt364_RAdKIB1B1_RAdSmt365_RAdKIB1B1_RAdSmt366_RAdKIB1B1_RAdSmt367_RAdKIB1B1_RAdSmt368_RAdKIB1B1_RAdSmt369_RAdKIB1B1_RAdSmt370_RAdKIB1B1_RAdSmt371_RAdKIB1B1_RAdSmt372_RAdKIB1B1_RAdSmt373_RAdKIB1B1_RAdSmt374_RAdKIB1B1_RAdSmt375_RAdKIB1B1_RAdSmt376_RAdKIB1B1_RAdSmt377_RAdKIB1B1_RAdSmt378_RAdKIB1B1_RAdSmt379_RAdKIB1B1_RAdSmt380_RAdKIB1B1_RAdSmt381_RAdKIB1B1_RAdSmt382_RAdKIB1B1_RAdSmt383_RAdKIB1B1_RAdSmt384_RAdKIB1B1_RAdSmt385_RAdKIB1B1_RAdSmt386_RAdKIB1B1_RAdSmt387_RAdKIB1B1_RAdSmt388_RAdKIB1B1_RAdSmt389_RAdKIB1B1_RAdSmt390_RAdKIB1B1_RAdSmt391_RAdKIB1B1_RAdSmt392_RAdKIB1B1_RAdSmt393_RAdKIB1B1_RAdSmt394_RAdKIB1B1_RAdSmt395_RAdKIB1B1_RAdSmt396_RAdKIB1B1_RAdSmt397_RAdKIB1B1_RAdSmt398_RAdKIB1B1_RAdSmt399_RAdKIB1B1_RAdSmt400_RAdKIB1B1_RAdSmt401_RAdKIB1B1_RAdSmt402_RAdKIB1B1_RAdSmt403_RAdKIB1B1_RAdSmt404_RAdKIB1B1_RAdSmt405_RAdKIB1B1_RAdSmt406_RAdKIB1B1_RAdSmt407_RAdKIB1B1_RAdSmt408_RAdKIB1B1_RAdSmt409_RAdKIB1B1_RAdSmt410_RAdKIB1B1_RAdSmt411_RAdKIB1B1_RAdSmt412_RAdKIB1B1_RAdSmt413_RAdKIB1B1_RAdSmt414_RAdKIB1B1_RAdSmt415_RAdKIB1B1_RAdSmt416_RAdKIB1B1_RAdSmt417_RAdKIB1B1_RAdSmt418_RAdKIB1B1_RAdSmt419_RAdKIB1B1_RAdSmt420_RAdKIB1B1_RAdSmt421_RAdKIB1B1_RAdSmt422_RAdKIB1B1_RAdSmt423_RAdKIB1B1_RAdSmt424_RAdKIB1B1_RAdSmt425_RAdKIB1B1_RAdSmt426_RAdKIB1B1_RAdSmt427_RAdKIB1B1_RAdSmt428_RAdKIB1B1_RAdSmt429_RAdKIB1B1_RAdSmt430_RAdKIB1B1_RAdSmt431_RAdKIB1B1_RAdSmt432_RAdKIB1B1_RAdSmt433_RAdKIB1B1_RAdSmt434_RAdKIB1B1_RAdSmt435_RAdKIB1B1_RAdSmt436_RAdKIB1B1_RAdSmt437_RAdKIB1B1_RAdSmt438_RAdKIB1B1_RAdSmt439_RAdKIB1B1_RAdSmt440_RAdKIB1B1_RAdSmt441_RAdKIB1B1_RAdSmt442_RAdKIB1B1_RAdSmt443_RAdKIB1B1_RAdSmt444_RAdKIB1B1_RAdSmt445_RAdKIB1B1_RAdSmt446_RAdKIB1B1_RAdSmt447_RAdKIB1B1_RAdSmt448_RAdKIB1B1_RAdSmt449_RAdKIB1B1_RAdSmt450_RAdKIB1B1_RAdSmt451_RAdKIB1B1_RAdSmt452_RAdKIB1B1_RAdSmt453_RAdKIB1B1_RAdSmt454_RAdKIB1B1_RAdSmt455_RAdKIB1B1_RAdSmt456_RAdKIB1B1_RAdSmt457_RAdKIB1B1_RAdSmt458_RAdKIB1B1_RAdSmt459_RAdKIB1B1_RAdSmt460_RAdKIB1B1_RAdSmt461_RAdKIB1B1_RAdSmt462_RAdKIB1B1_RAdSmt463_RAdKIB1B1_RAdSmt464_RAdKIB1B1_RAdSmt465_RAdKIB1B1_RAdSmt466_RAdKIB1B1_RAdSmt467_RAdKIB1B1_RAdSmt468_RAdKIB1B1_RAdSmt469_RAdKIB1B1_RAdSmt470_RAdKIB1B1_RAdSmt471_RAdKIB1B1_RAdSmt472_RAdKIB1B1_RAdSmt473_RAdKIB1B1_RAdSmt474_RAdKIB1B1_RAdSmt475_RAdKIB1B1_RAdSmt476_RAdKIB1B1_RAdSmt477_RAdKIB1B1_RAdSmt478_RAdKIB1B1_RAdSmt479_RAdKIB1B1_RAdSmt480_RAdKIB1B1_RAdSmt481_RAdKIB1B1_RAdSmt482_RAdKIB1B1_RAdSmt483_RAdKIB1B1_RAdSmt484_RAdKIB1B1_RAdSmt485_RAdKIB1B1_RAdSmt486_RAdKIB1B1_RAdSmt487_RAdKIB1B1_RAdSmt488_RAdKIB1B1_RAdSmt489_RAdKIB1B1_RAdSmt490_RAdKIB1B1_RAdSmt491_RAdKIB1B1_RAdSmt492_RAdKIB1B1_RAdSmt493_RAdKIB1B1_RAdSmt494_RAdKIB1B1_RAdSmt495_RAdKIB1B1_RAdSmt496_RAdKIB1B1_RAdSmt497_RAdKIB1B1_RAdSmt498_RAdKIB1B1_RAdSmt499_RAdKIB1B1_RAdSmt500_RAdKIB1B1_RAdSmt501_RAdKIB1B1_RAdSmt502_RAdKIB1B1_RAdSmt503_RAdKIB1B1_RAdSmt504_RAdKIB1B1_RAdSmt505_RAdKIB1B1_RAdSmt506_RAdKIB1B1_RAdSmt507_RAdKIB1B1_RAdSmt508_RAdKIB1B1_RAdSmt509_RAdKIB1B1_RAdSmt510_RAdKIB1B1_RAdSmt511_RAdKIB1B1_RAdSmt512_RAdKIB1B1_RAdSmt513_RAdKIB1B1_RAdSmt514_RAdKIB1B1_RAdSmt515_RAdKIB1B1_RAdSmt516_RAdKIB1B1_RAdSmt517_RAdKIB1B1_RAdSmt518_RAdKIB1B1_RAdSmt519_RAdKIB1B1_RAdSmt520_RAdKIB1B1_RAdSmt521_RAdKIB1B1_RAdSmt522_RAdKIB1B1_RAdSmt523_RAdKIB1B1_RAdSmt524_RAdKIB1B1_RAdSmt525_RAdKIB1B1_RAdSmt526_RAdKIB1B1_RAdSmt527_RAdKIB1B1_RAdSmt528_RAdKIB1B1_RAdSmt529_RAdKIB1B1_RAdSmt530_RAdKIB1B1_RAdSmt531_RAdKIB1B1_RAdSmt532_RAdKIB1B1_RAdSmt533_RAdKIB1B1_RAdSmt534_RAdKIB1B1_RAdSmt535_RAdKIB1B1_RAdSmt536_RAdKIB1B1_RAdSmt537_RAdKIB1B1_RAdSmt538_RAdKIB1B1_RAdSmt539_RAdKIB1B1_RAdSmt540_RAdKIB1B1_RAdSmt541_RAdKIB1B1_RAdSmt542_RAdKIB1B1_RAdSmt543_RAdKIB1B1_RAdSmt544_RAdKIB1B1_RAdSmt545_RAdKIB1B1_RAdSmt546_RAdKIB1B1_RAdSmt547_RAdKIB1B1_RAdSmt548_RAdKIB1B1_RAdSmt549_RAdKIB1B1_RAdSmt550_RAdKIB1B1_RAdSmt551_RAdKIB1B1_RAdSmt552_RAdKIB1B1_RAdSmt553_RAdKIB1B1_RAdSmt554_RAdKIB1B1_RAdSmt555_RAdKIB1B1_RAdSmt556_RAdKIB1B1_RAdSmt557_RAdKIB1B1_RAdSmt558_RAdKIB1B1_RAdSmt559_RAdKIB1B1_RAdSmt560_RAdKIB1B1_RAdSmt561_RAdKIB1B1_RAdSmt562_RAdKIB1B1_RAdSmt563_RAdKIB1B1_RAdSmt564_RAdKIB1B1_RAdSmt565_RAdKIB1B1_RAdSmt566_RAdKIB1B1_RAdSmt567_RAdKIB1B1_RAdSmt568_RAdKIB1B1_RAdSmt569_RAdKIB1B1_RAdSmt570_RAdKIB1B1_RAdSmt571_RAdKIB1B1_RAdSmt572_RAdKIB1B1_RAdSmt573_RAdKIB1B1_RAdSmt574_RAdKIB1B1_RAdSmt575_RAdKIB1B1_RAdSmt576_RAdKIB1B1_RAdSmt577_RAdKIB1B1_RAdSmt578_RAdKIB1B1_RAdSmt579_RAdKIB1B1_RAdSmt580_RAdKIB1B1_RAdSmt581_RAdKIB1B1_RAdSmt582_RAdKIB1B1_RAdSmt583_RAdKIB1B1_RAdSmt584_RAdKIB1B1_RAdSmt585_RAdKIB1B1_RAdSmt586_RAdKIB1B1_RAdSmt587_RAdKIB1B1_RAdSmt588_RAdKIB1B1_RAdSmt589_RAdKIB1B1_RAdSmt590_RAdKIB1B1_RAdSmt591_RAdKIB1B1_RAdSmt592_RAdKIB1B1_RAdSmt593_RAdKIB1B1_RAdSmt594_RAdKIB1B1_RAdSmt595_RAdKIB1B1_RAdSmt596_RAdKIB1B1_RAdSmt597_RAdKIB1B1_RAdSmt598_RAdKIB1B1_RAdSmt599_RAdKIB1B1_RAdSmt600_RAdKIB1B1_RAdSmt601_RAdKIB1B1_RAdSmt602_RAdKIB1B1_RAdSmt603_RAdKIB1B1_RAdSmt604_RAdKIB1B1_RAdSmt605_RAdKIB1B1_RAdSmt606_RAdKIB1B1_RAdSmt607_RAdKIB1B1_RAdSmt608_RAdKIB1B1_RAdSmt609_RAdKIB1B1_RAdSmt610_RAdKIB1B1_RAdSmt611_RAdKIB1B1_RAdSmt612_RAdKIB1B1_RAdSmt613_RAdKIB1B1_RAdSmt614_RAdKIB1B1_RAdSmt615_RAdKIB1B1_RAdSmt616_RAdKIB1B1_RAdSmt617_RAdKIB1B1_RAdSmt618_RAdKIB1B1_RAdSmt619_RAdKIB1B1_RAdSmt620_RAdKIB1B1_RAdSmt621_RAdKIB1B1_RAdSmt622_RAdKIB1B1_RAdSmt623_RAdKIB1B1_RAdSmt624_RAdKIB1B1_RAdSmt625_RAdKIB1B1_RAdSmt626_RAdKIB1B1_RAdSmt627_RAdKIB1B1_RAdSmt628_RAdKIB1B1_RAdSmt629_RAdKIB1B1_RAdSmt630_RAdKIB1B1_RAdSmt631_RAdKIB1B1_RAdSmt632_RAdKIB1B1_RAdSmt633_RAdKIB1B1_RAdSmt634_RAdKIB1B1_RAdSmt635_RAdKIB1B1_RAdSmt636_RAdKIB1		

Approved	Notes
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