

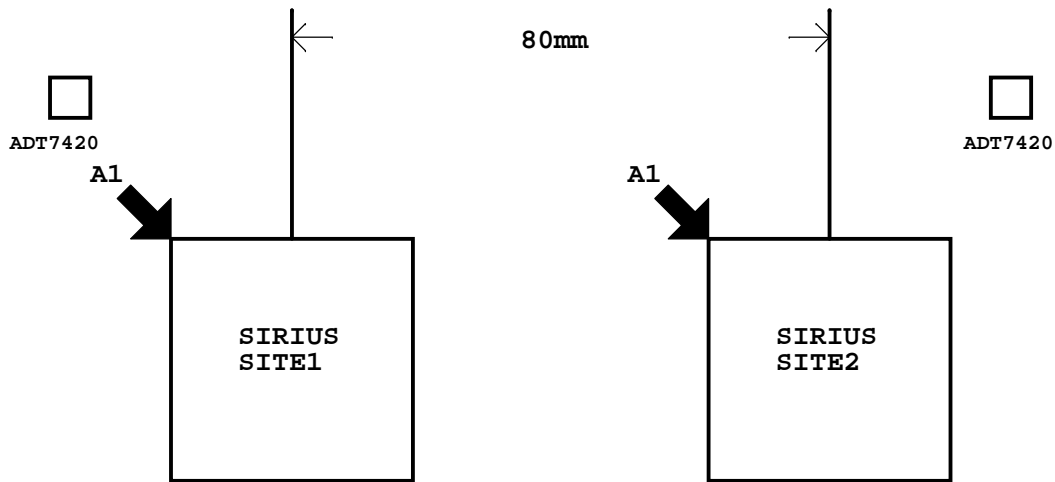
Test configuration

Group 7 (Card Cage 6)			
DCDC2		DCDC1	
DPS7			
424		420	
224	PS1600	220	PS1600
423		419	
223	PS1600	219	PS1600
422		418	
222	PS1600	218	PS1600
421		417	
221	PS1600	217	PS1600

Group 8 (Card Cage 2)			
DCDC2		DCDC1	
DPS8			
432		428	
232		228	
431	MB-AV8	427	
231	MB-AV8	227	
430		426	
230		226	
429	CS-DPS	425	CS-DPS
229	CS-DPS	225	CS-DPS

Group 2 (Card Cage 4)			
DCDC2		DCDC1	
DPS2			
316		312	
116	PS1600	112	PS1600
315		311	
115	PS1600	111	PS1600
314		310	
114	PS1600	110	PS1600
313		309	
113	PS1600	109	PS1600

Group 6 (Card Cage 8)			
DCDC2		DCDC1	
DPS6			
416		412	
216	PS1600	212	PS1600
415		411	
215	PS1600	211	PS1600
414		410	
214	PS1600	210	PS1600
413		409	
213	PS1600	209	PS1600



125	PS1600	129	PS1600
325		329	
126	PS1600	130	PS1600
326		330	
127	PS1600	131	PS1600
327		331	
128	PS1600	132	PS1600
328		332	
		DPS4	
DCDC1		DCDC2	
Group 4 (Card Cage 5)			

117	PS1600	121	PS1600
317		321	
118	PS1600	122	PS1600
318		322	
119	PS1600	123	PS1600
319		323	
120	PS1600	124	PS1600
320		324	
		DPS3	
DCDC1		DCDC2	
Group 3 (Card Cage 1)			

101	PS1600	105	PS1600
301		305	
102	PS1600	106	PS1600
302		306	
103	PS1600	107	PS1600
303		307	
104	PS1600	108	PS1600
304		308	
		DPS1	
DCDC1		DCDC2	
Group 1 (Card Cage 3)			

201	PS1600	205	PS1600
401		405	
202	PS1600	206	PS1600
402		406	
203	PS1600	207	PS1600
403		407	
204	PS1600	208	PS1600
404		408	
		DPS5	
DCDC1		DCDC2	
Group 5 (Card Cage 7)			

- Siriuss_BGA684_dual_93K REF-CODE-CHIP
- LOGO1 LOGO_VS_Verisilicon
- LOGO2 LOGO_KT_KSMT
- 980KU-SIRIUS-1AG- REF-CODE-PCB
- 038KU-SIRIUS16Q-A100 REF-CODE-PCB
- CAPB0503220 REF-CODE-SOCKET

TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P00.Config

Product Name
980KU-SIRIUS-1AG-A10

PCB Number
038KU-SIRIUS16Q-A100

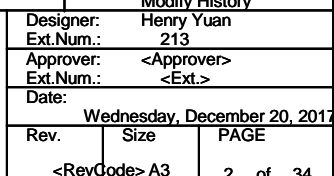
Rev.	213	Size	PAGE
<RevCode> A2		1 of 34	

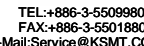
<Modify Date>		<Modify History>	
Date		Initiation	
Designer: Henry Yuan		Approval: Henry Yuan	
Date: Wednesday, December 20, 2017		Date: <Ext.>	

Initial Schematic

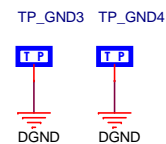
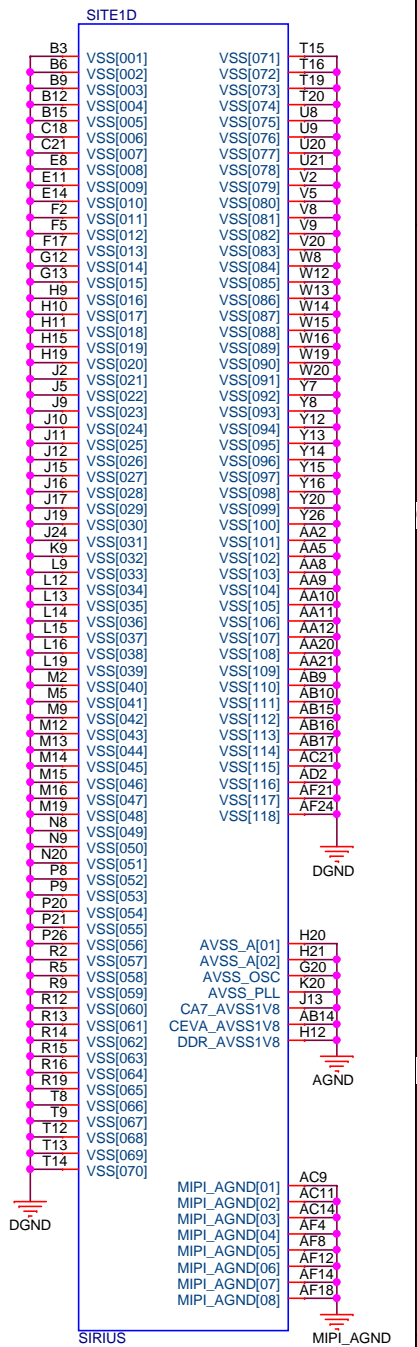
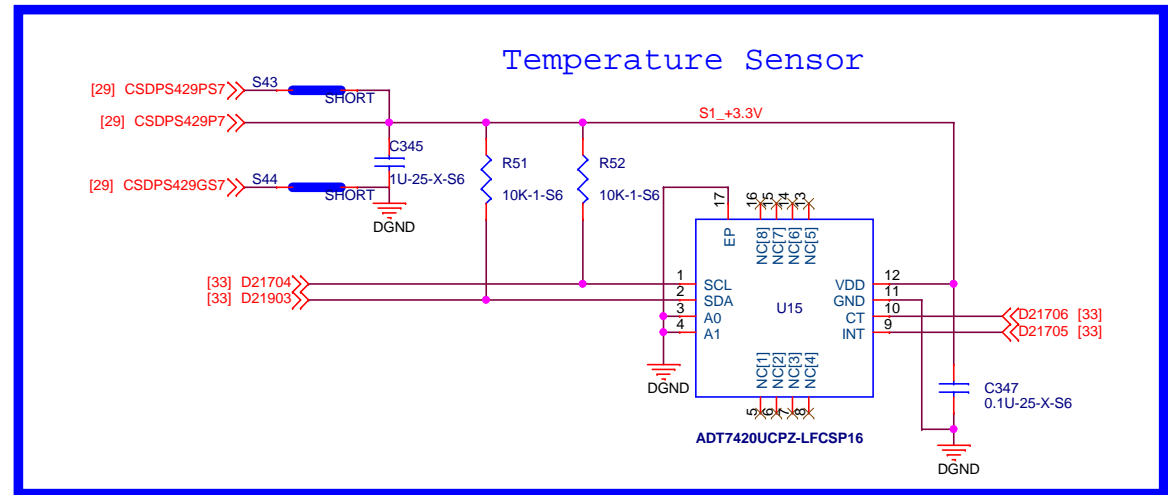
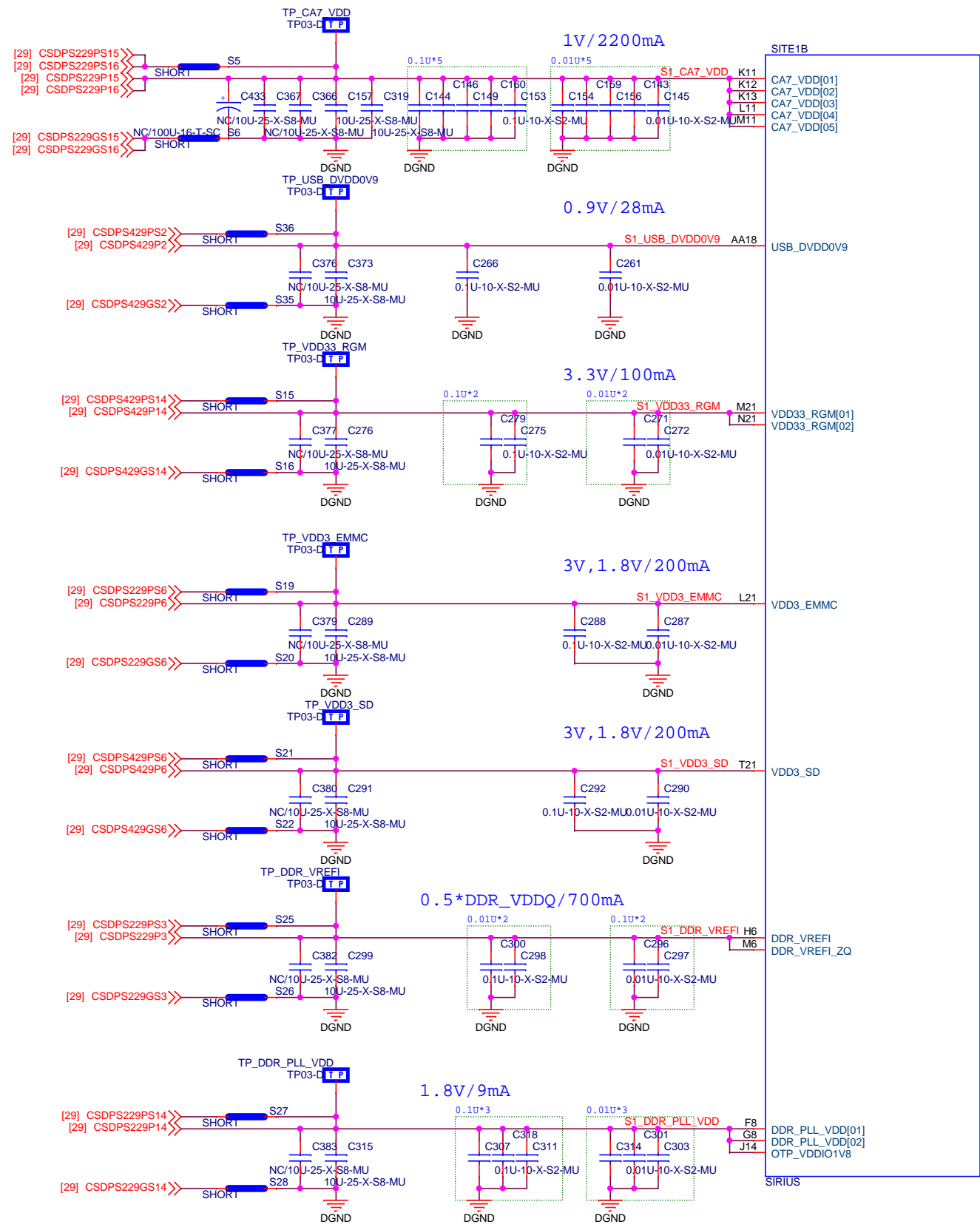
Differential & impedance

A

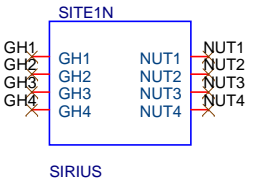
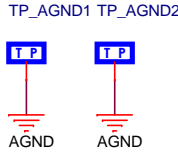
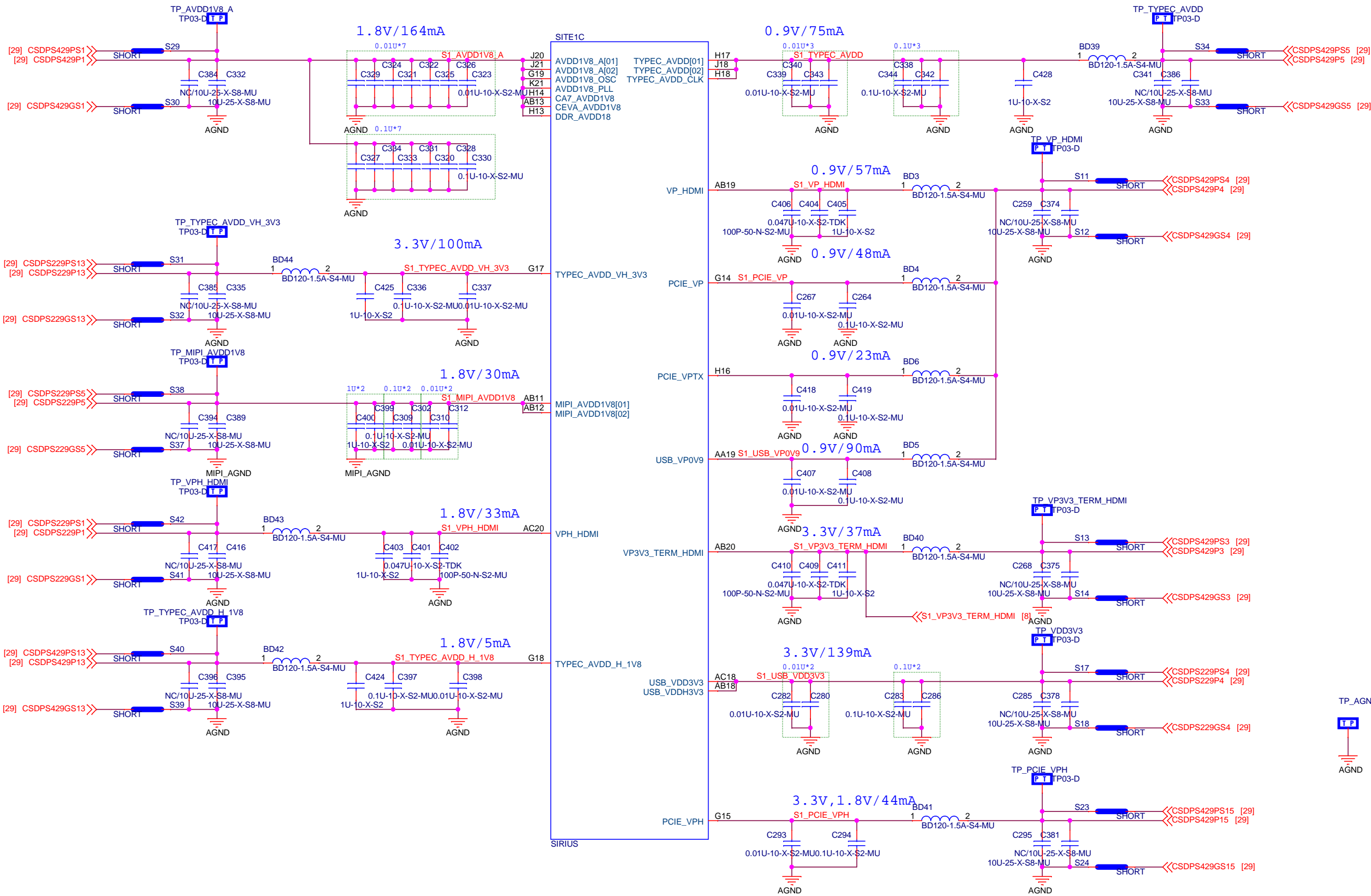




Designer:	Henry Yuan		
Ext.Num.:	213		
Approver:	<Approver>		
Ext.Num.:	<Ext.>		
Date:	Wednesday, December 20, 2017		
Rev.	Size	PAGE	
<RevCode>	Custom	3	of 34



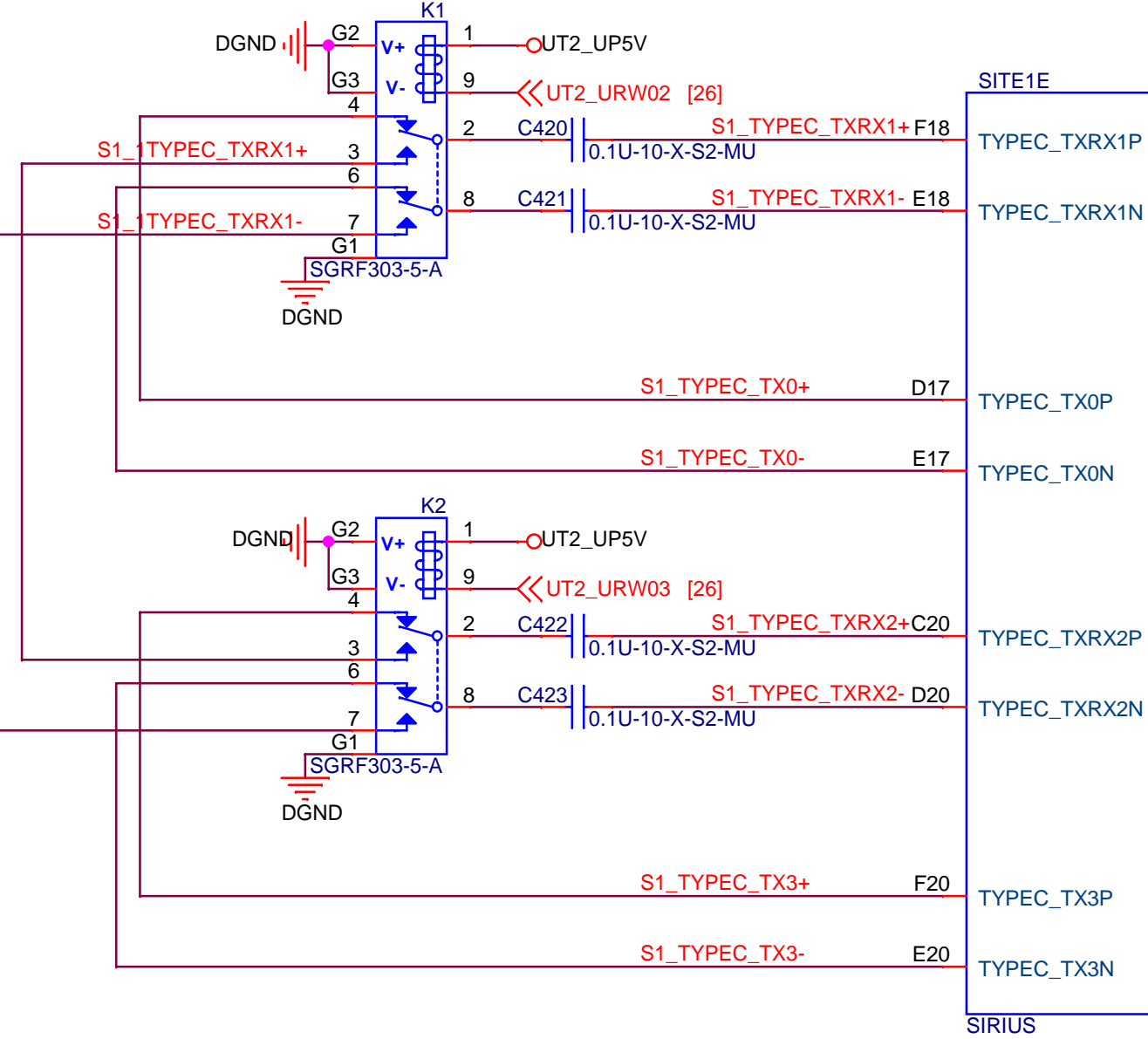
Page Name	P02.S1_Power_D	Designer:	Henry Yuan
Product Name	980KU-SIRIUS-1AG-A10	Ext.Num.:	213
PCB Number	038KU-SIRIUS16Q-A100	Approver:	<Approver>
		Ext.Num.:	<Ext.>
		Date:	Wednesday, December 20, 2017
Rev.	Size	PAGE	
<RevCode>	Custom	4	of 34



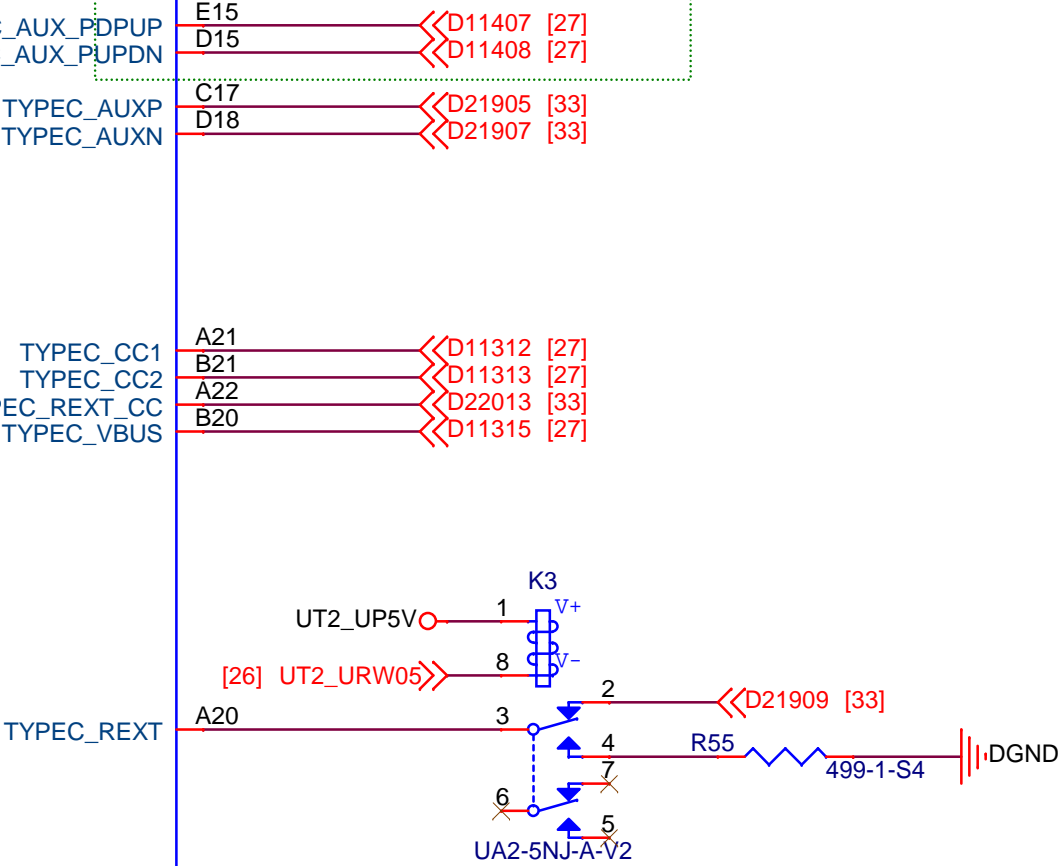
TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name P03.S1_Power_A	Product Name 980KU-SIRIUS-1AG-A10	PCB Number 038KU-SIRIUS16Q-A100	Designer: Henry Yuan
			Ext.Num.: 213
			Approver: <Approver>
			Ext.Num.: <Ext.>
			Date: Wednesday, December 20, 2017
			Rev. Size PAGE
			<RevCode> Custom 5 of 34

5Gbps



single

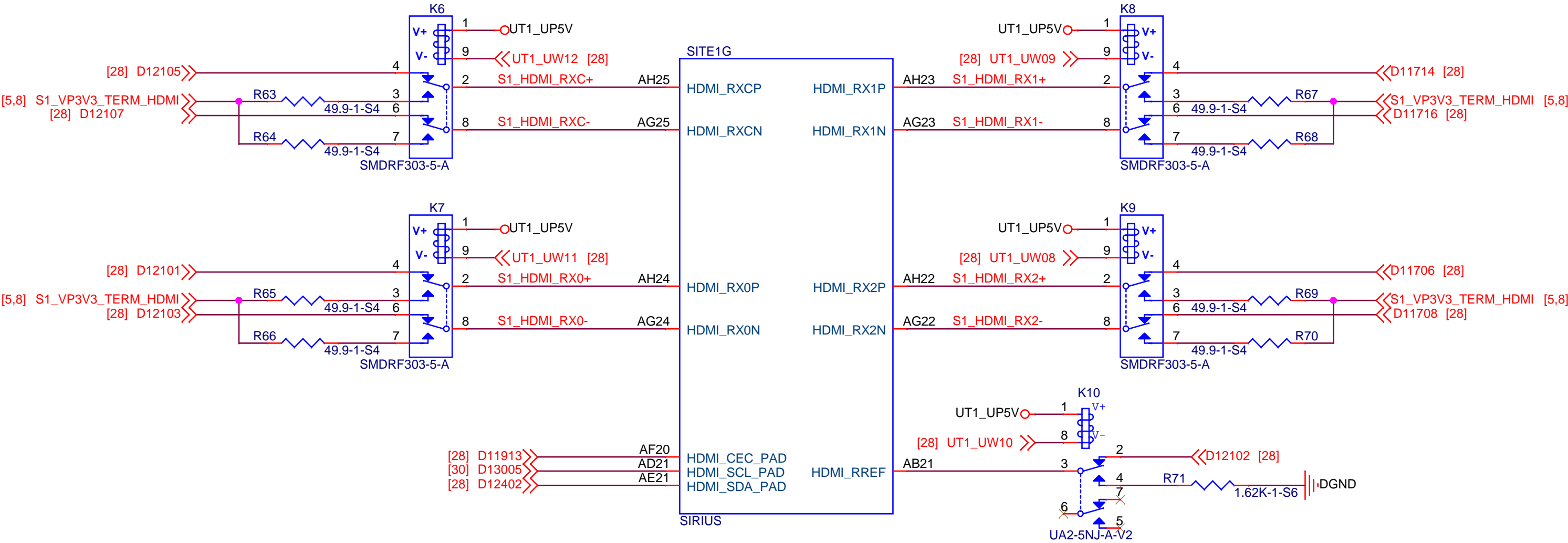


TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P04.S1_TYPEC
Product Name
980KU-SIRIUS-1AG-A10
PCB Number
038KU-SIRIUS16Q-A100

Designer: Henry Yuan
Ext.Num.: 213
Approver: <Approver>
Ext.Num.: <Ext.>
Date: Wednesday, December 20, 2017
Rev. Size PAGE
<RevCode> A4 6 of 34

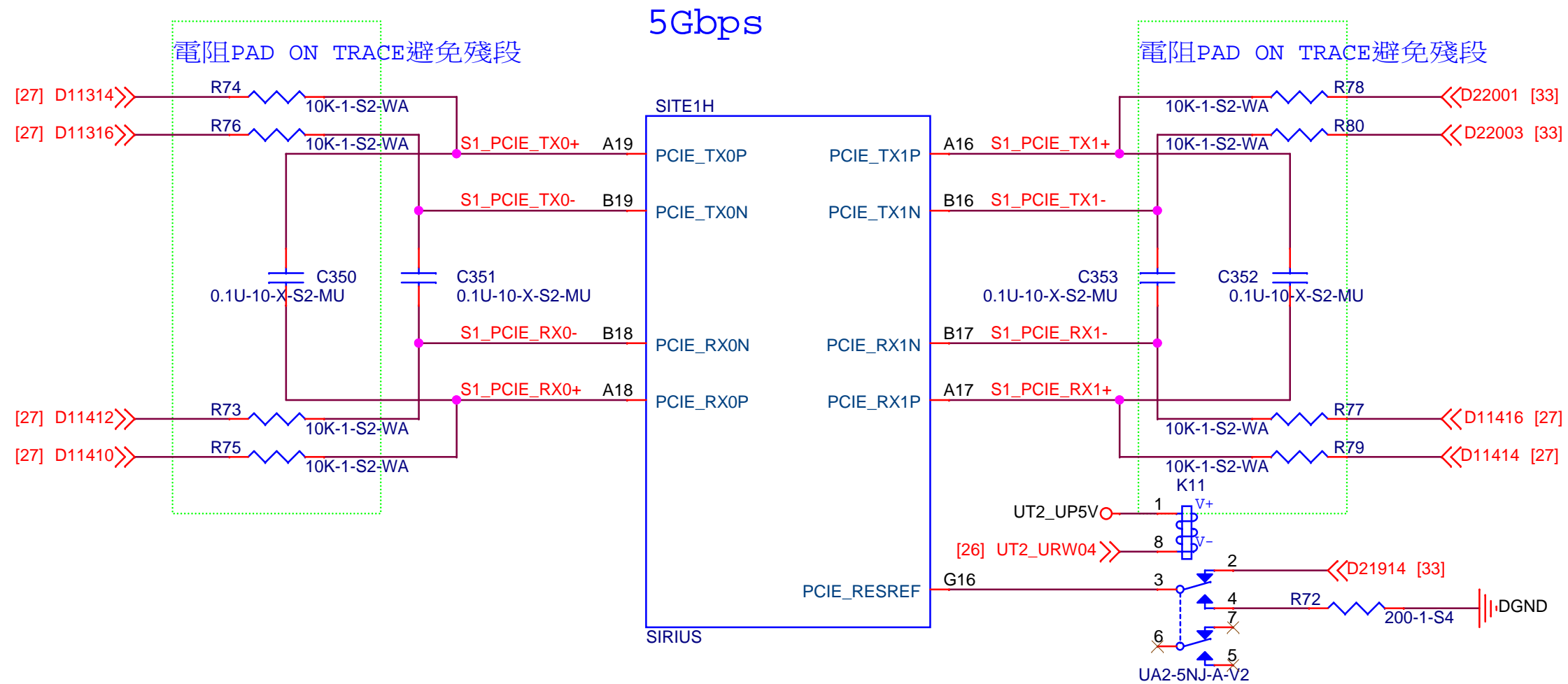
3.4Gbps



TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P06.S1_HDMI
Product Name
980KU-SIRIUS-1AG-A10
PCB Number
038KU-SIRIUS16Q-A100

Designer: Henry Yuan
Ext.Num.: 213
Approver: <Approver>
Ext.Num.: <Ext.>
Date: Wednesday, December 20, 2017
Rev. Size PAGE
<RevCode> A4 8 of 34



TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

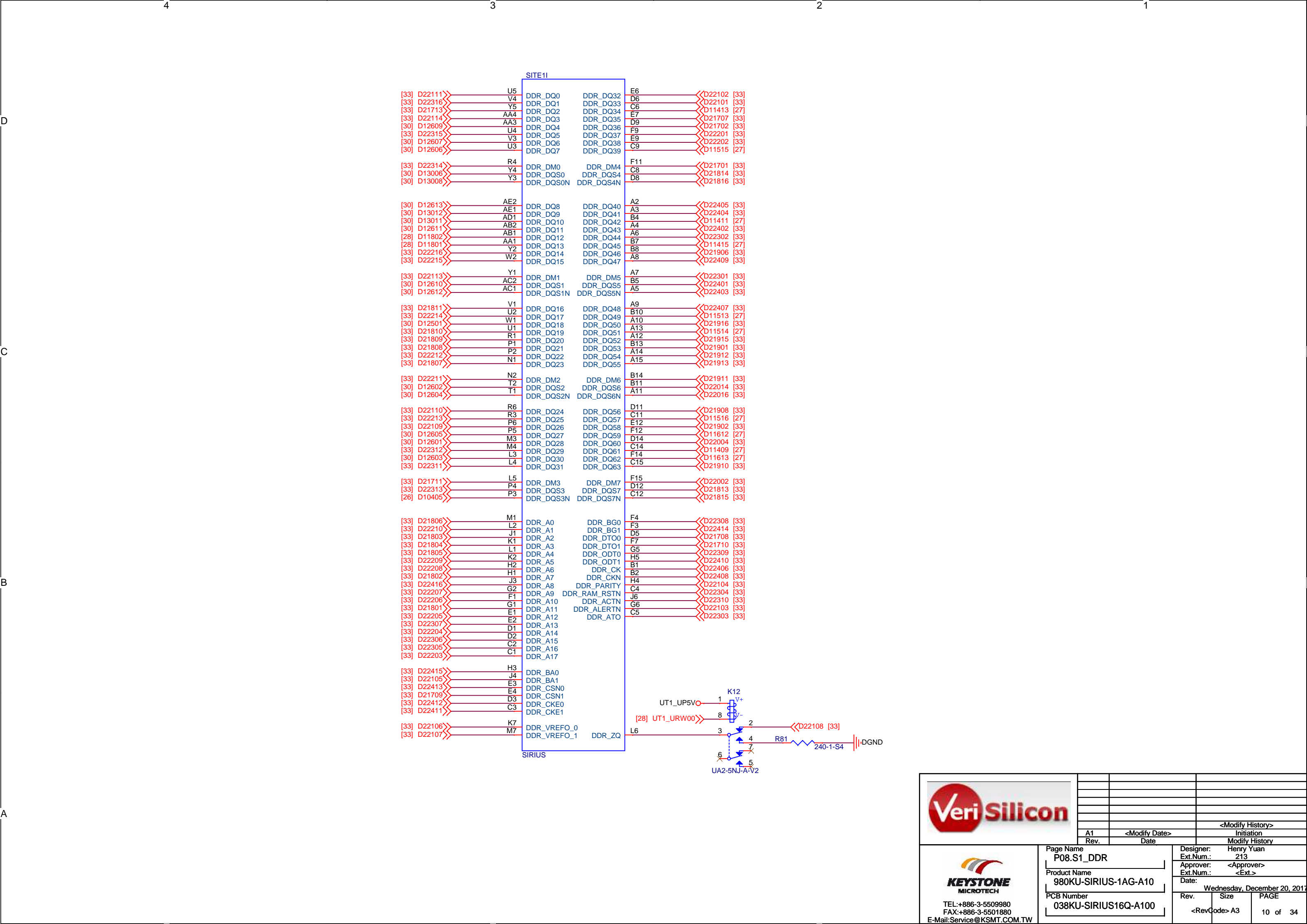
Page Name
P07.S1_PCIE

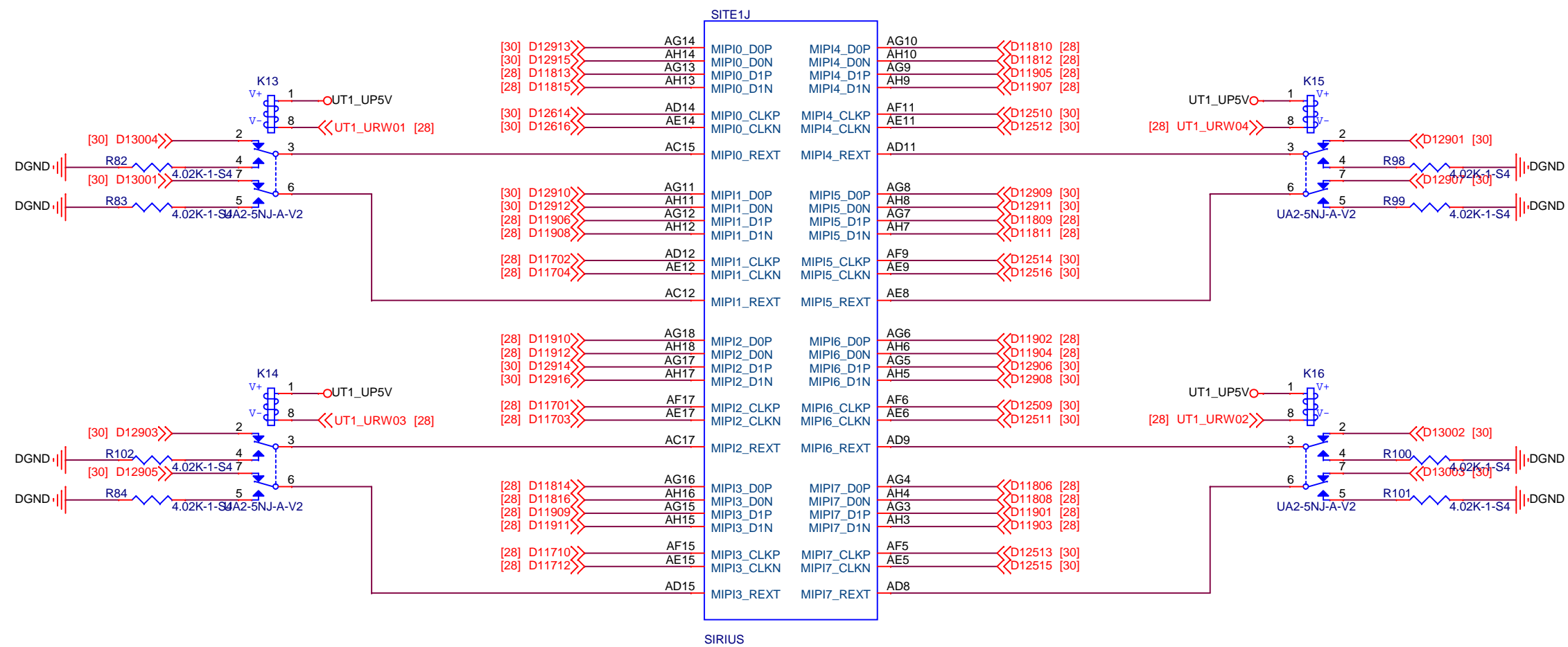
Product Name
980KU-SIRIUS-1AG-A10

PCB Number
038KU-SIRIUS16Q-A100

Designer: Henry Yuan
Ext.Num.: 213
Approver: <Approver>
Ext.Num.: <Ext.>
Date: Wednesday, December 20, 2017

Rev.	Size	PAGE
<RevCode> A4		9 of 34







TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Rev.	Date
Page Name P09.S1_MIPi	
Product Name 980KU-SIRIUS-1AG-A10	
PCB Number 038KU-SIRIUS16Q-A100	

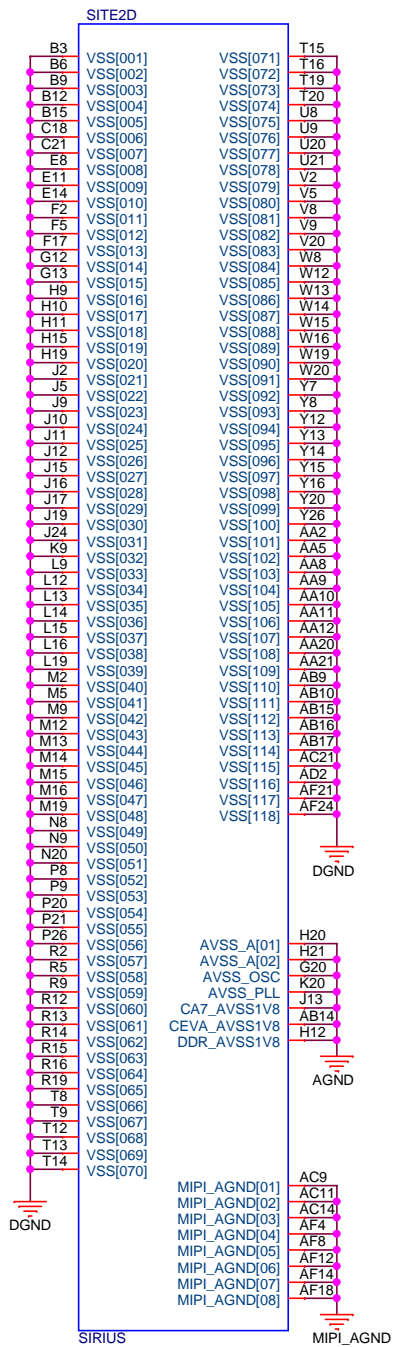
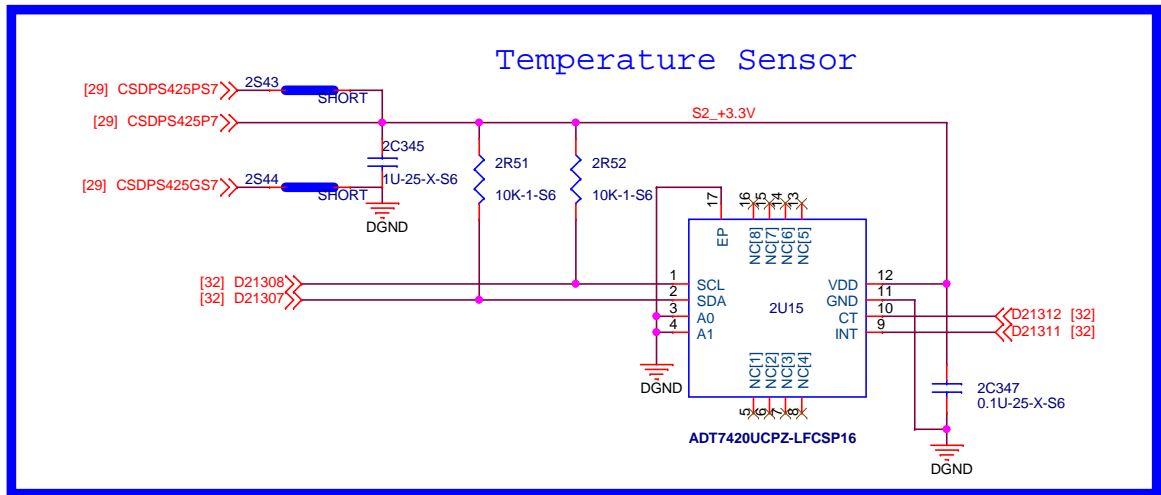
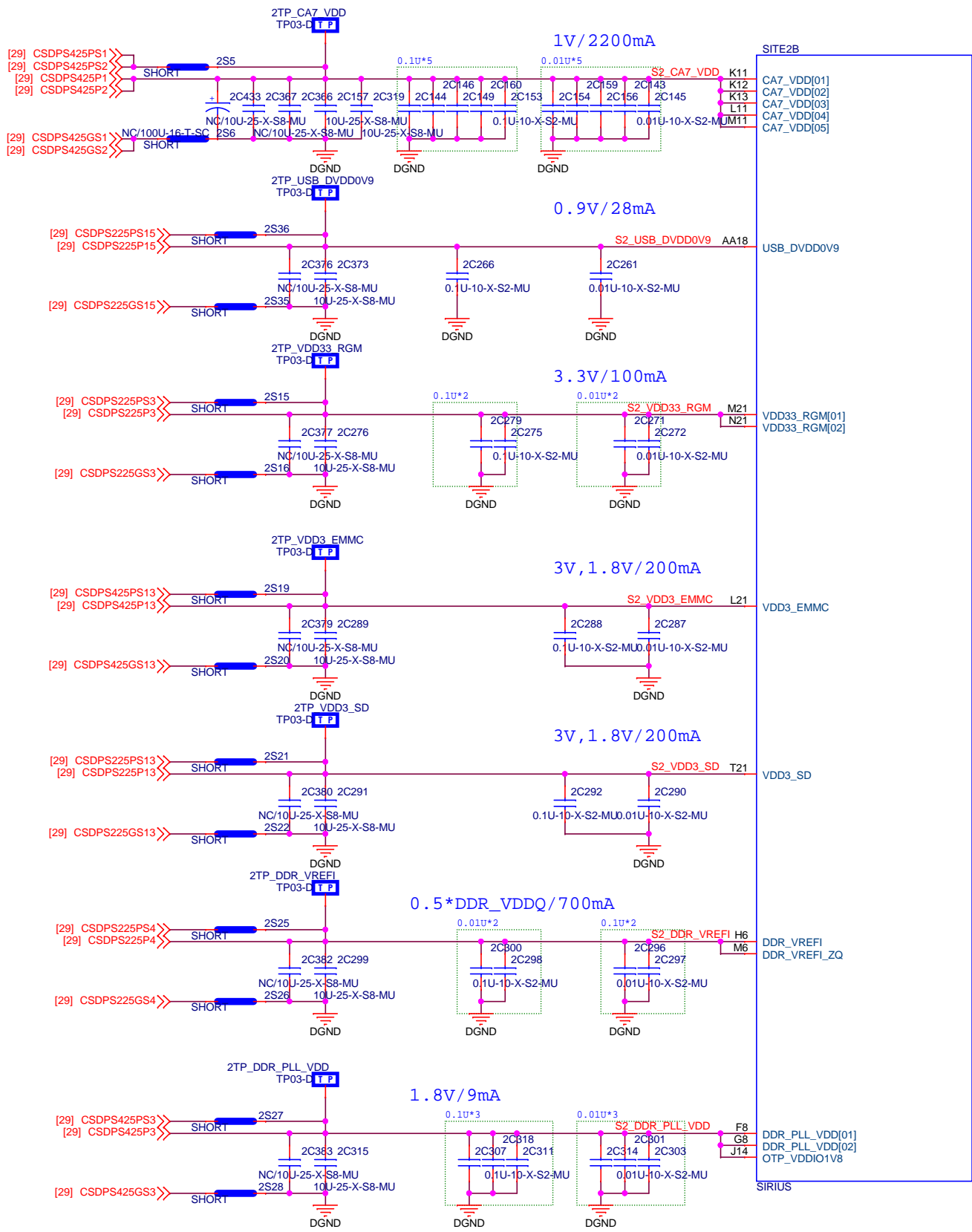
Designer: Henry Yuan Ext.Num.: 213 Approver: <Approver> Ext.Num.: <Ext.> Date: Wednesday, December 20, 201		
Rev.	Size	PAGE
<RevCode> A3		14 of 24


SITE1M			
[33] D22008	H22	PWM0_PAD	DE0_PAD
[33] D22007	J22	PWM1_PAD	DE1_PAD
[33] D22005	L22	PWM2_PAD	EMMC_CCMD_PAD
[28] D12012	M22	PWM3_PAD	EMMC_CLKOUT_PAD
[28] D12011	N22	PWM4_PAD	EMMC_D0_PAD
[28] D12008	T22	PWM5_PAD	EMMC_D1_PAD
[28] D12007	U22	PWM6_PAD	EMMC_D2_PAD
[28] D12313	U23	PWM7_PAD	EMMC_D3_PAD
[28] D12006	V22	PWM8_PAD	EMMC_D4_PAD
[28] D12005	W22	PWM9_PAD	EMMC_D5_PAD
[28] D12304	AG26	QE0_0_PAD	EMMC_D6_PAD
[28] D11915	AF25	QE0_1_PAD	EMMC_D7_PAD
[28] D12301	AD23	QE0_2_PAD	EMMC_PWR_PAD
[28] D12404	AE24	QE0_3_PAD	GBE_CLK_PAD
[28] D12002	AC22	QE0_4_PAD	GBE_INT_PAD
[28] D12403	AE23	QE0_5_PAD	GBE_MDC_PAD
[28] D11914	AF23	QE0_6_PAD	GBE_MDIO_PAD
[28] D12001	AD22	QE0_7_PAD	GBE_RST_PAD
[28] D12015	AF28	QE1_0_PAD	GBE_RXC_PAD
[28] D12409	AD27	QE1_1_PAD	GBE_RXD0_PAD
[28] D12016	AG28	QE1_2_PAD	GBE_RXD1_PAD
[28] D12408	AE27	QE1_3_PAD	GBE_RXD2_PAD
[28] D12303	AH26	QE1_4_PAD	GBE_RXD3_PAD
[28] D12407	AF27	QE1_5_PAD	GBE_RXEN_PAD
[28] D12406	AG27	QE1_6_PAD	GBE_TXC_PAD
[28] D12405	AH27	QE1_7_PAD	GBE_TXD0_PAD
[27] D11614	D26	RSSI_1	GBE_TXD1_PAD
[27] D11512	C23	RSSI_2	GBE_TXD2_PAD
[30] D12507	AC8	RSTN_PAD	GBE_TXD3_PAD
[28] D12208	V28	SD_CARD_DETECT_N_PAD	GBE_TXEN_PAD
[28] D12415	V27	SD_CARD_WPRT_PAD	GP0_PAD
[28] D12209	U28	SD_CCLK_OUT_PAD	GP1_PAD
[28] D12416	U27	SD_CCMD_PAD	GP2_PAD
[28] D12207	W28	SD_CDATA_0_PAD	GP3_PAD
[28] D12414	W27	SD_CDATA_1_PAD	GP4_PAD
[28] D12206	Y28	SD_CDATA_2_PAD	GP5_PAD
[28] D12413	Y27	SD_CDATA_3_PAD	GP6_PAD
[27] D11302	P25	SPI_M0_CSN_PAD	GP7_PAD
[27] D11301	R25	SPI_M0_DI_PAD	HSYNC0_PAD
[27] D11502	U25	SPI_M0_DO_PAD	HSYNC1_PAD
[28] D12113	R26	SPI_M0_SCLK_PAD	I2C_SCLK0_PAD
[27] D11504	M24	SPI_M1_CSN_PAD	I2C_SCLK1_PAD
[27] D11505	L24	SPI_M1_DI_PAD	I2C_SCLK2_PAD
[27] D11506	L23	SPI_M1_DO_PAD	I2C_SCLK3_PAD
[28] D12316	M23	SPI_M1_SCLK_PAD	I2C_SCLK4_PAD
[28] D12315	P23	SPI_M2_CS0N_PAD	I2C_SDA0_PAD
[28] D12114	P24	SPI_M2_DI_PAD	I2C_SDA1_PAD
[28] D12112	R24	SPI_M2_DO_PAD	I2C_SDA2_PAD
[28] D12314	R23	SPI_M2_SCLK_PAD	I2C_SDA3_PAD
[28] D12004	Y22	SPI_MS3_CS0N_PAD	I2C_SDA4_PAD
[28] D12110	V24	SPI_MS3_CS1N_PAD	I2S_CLK0_PAD
[28] D11916	V26	SPI_MS3_CS2N_PAD	I2S_CLK1_PAD
[27] D11503	V25	SPI_MS3_CS3N_PAD	I2S_CLK2_PAD
[28] D12311	Y23	SPI_MS3_CS4N_PAD	I2S_CLK3_PAD
[28] D12111	U24	SPI_MS3_DI_PAD	I2S_SDI0_PAD
[28] D12312	V23	SPI_MS3_DO_PAD	I2S_SDI1_PAD
[28] D12216	U26	SPI_MS3_SCLK_PAD	I2S_SDI2_PAD
[30] D13010	AB8	TEST_MODE_EN_PAD	I2S_SDI3_PAD
[30] D12505	AC7	UART_RX0_PAD	I2S_SDO0_PAD
[33] D21712	AA7	UART_RX1_PAD	I2S_SDO1_PAD
[33] D21714	AB5	UART_RX2_PAD	I2S_SDO2_PAD
[33] D22112	V6	UART_RX3_PAD	I2S_SDO3_PAD
[28] D12010	P22	UART_SIN4_PAD	I2S_WS0_PAD
[28] D12009	R22	UART_SOUT4_PAD	I2S_WS1_PAD
[30] D12502	Y6	UART_TX0_PAD	I2S_WS2_PAD
[30] D12503	AA6	UART_TX1_PAD	I2S_WS3_PAD
[30] D12504	AB6	UART_TX2_PAD	PCLK0_PAD
[30] D12608	W7	UART_TX3_PAD	PCLK1_PAD
[28] D12305	AF26	VSYNC0_PAD	PDET_A_2G
[28] D12410	AC27	VSYNC1_PAD	PDET_A_5G
[33] D22015	A23	XTAL1	PDET_B_2G
[33] D22012	B23	XTAL2	PDET_B_5G
[27] D11510	E23	AD_IN_0	
[27] D11309	E22	AD_IN_1	
[27] D11616	B28	AD_IN_2	
[27] D11615	C26	AD_IN_3	
[33] D22010	F21	AD_IN_4	
[27] D11310	D21	AD_IN_5	
[33] D22011	E21	AD_IN_6	
[33] D22009	G21	AD_IN_7	
[33] D21703	B22	CLKREF_SEL_PAD	

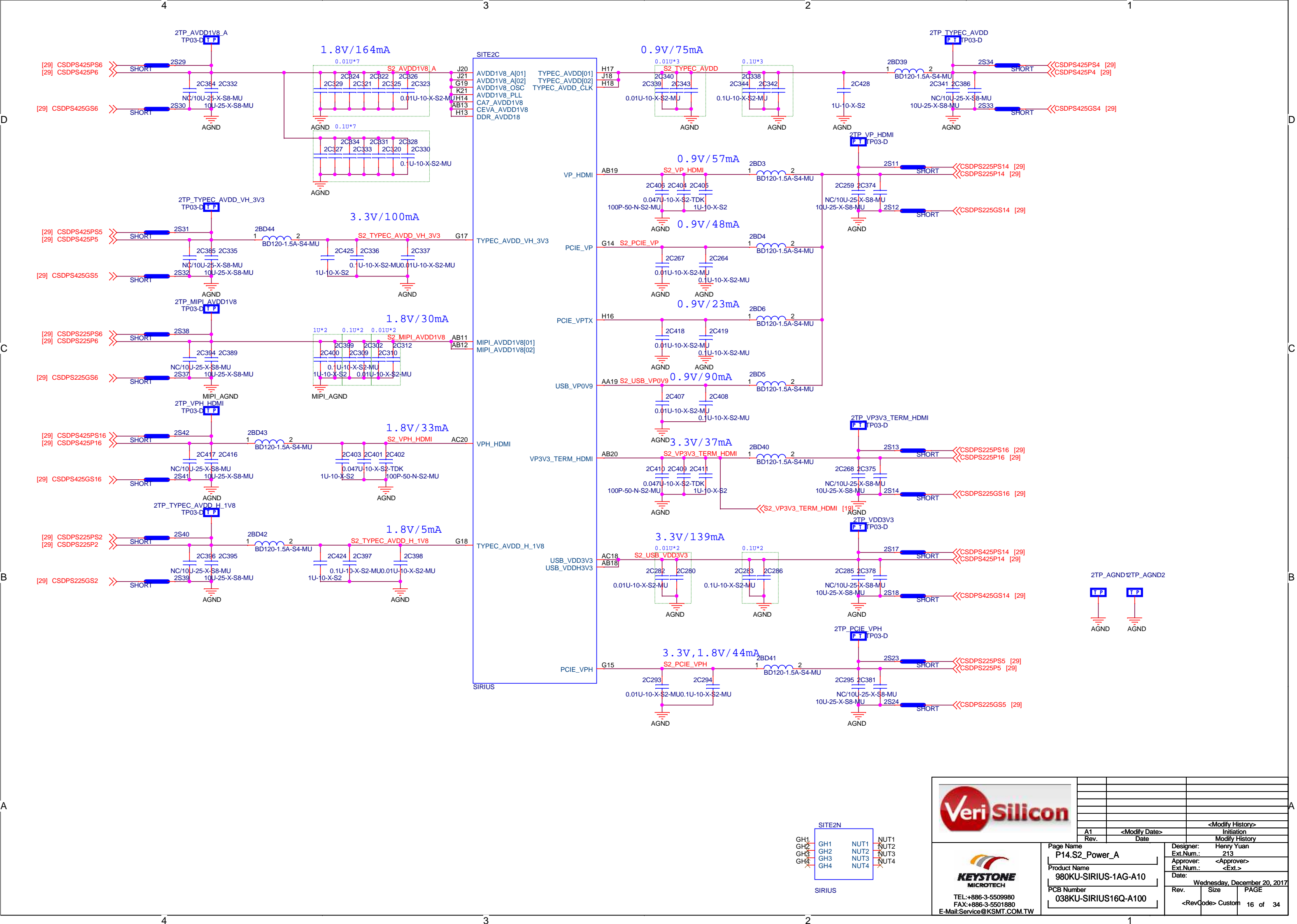
SIRIUS

				
		A1	<Modify Date>	<Modify History>
		Rev.	Date	Initiation
				Modify History
 TEL:+886-3-5509980 FAX:+886-3-5501880 E-Mail:Service@KSMT.COM.TW		Page Name P11.S1_DIGITAL		Designer: Henry Yuan
		Product Name 980KU-SIRIUS-1AG-A10		Ext.Num.: 213
		PCB Number 038KU-SIRIUS16Q-A100		Approver: <Approver>
				Ext.Num.: <Ext.>
				Date: Wednesday, December 20, 2017
		Rev.	Size	PAGE
		<RevCode>	Custom	13 of 34

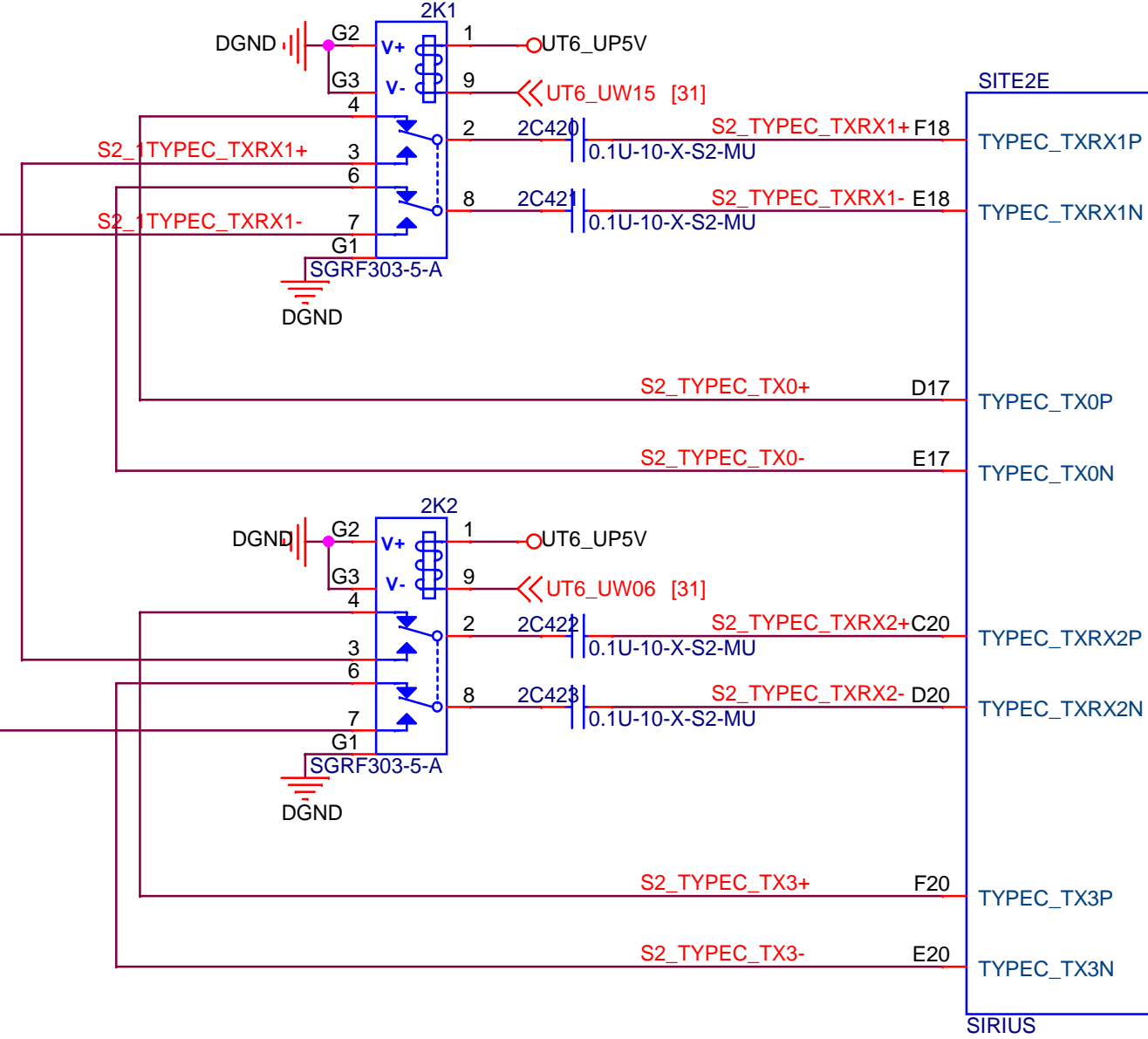




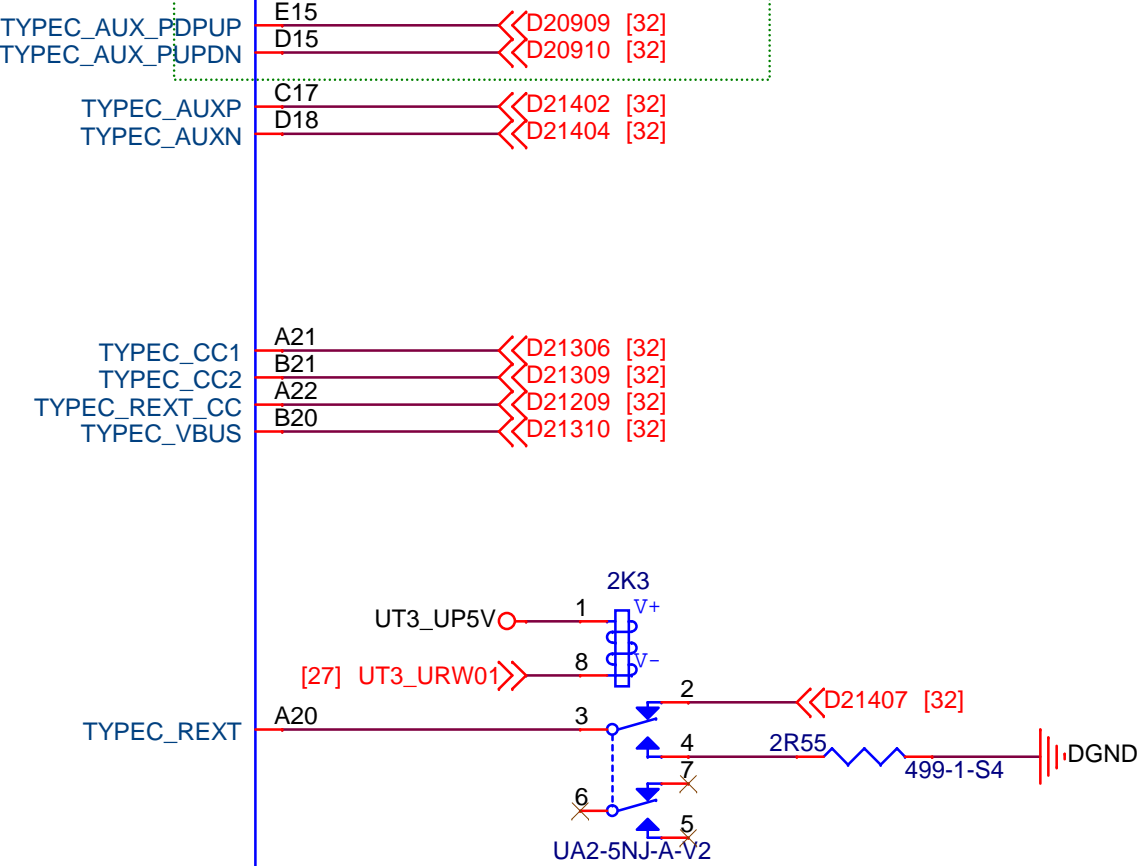
 KEYSTONE MICROTECH	Rev.		Date		Rev.		
	Page Name		P13.S2_Power_D		Designer: Henry Yuan		
	Product Name		980KU-SIRIUS-1AG-A10		Ext. Num.: 213		
	PCB Number		038KU-SIRIUS16Q-A100		Approver: <Approver>		
					Ext. Num.: <Ext.>		
				Date:		Wednesday, December 20, 2017	
TEL: +886-3-5509980		Rev.		Size		PAGE	
FAX: +886-3-5501880				<RevCode> Custom		15 of 34	
E-Mail: Service@KSMOT.COM.TW							



5Gbps



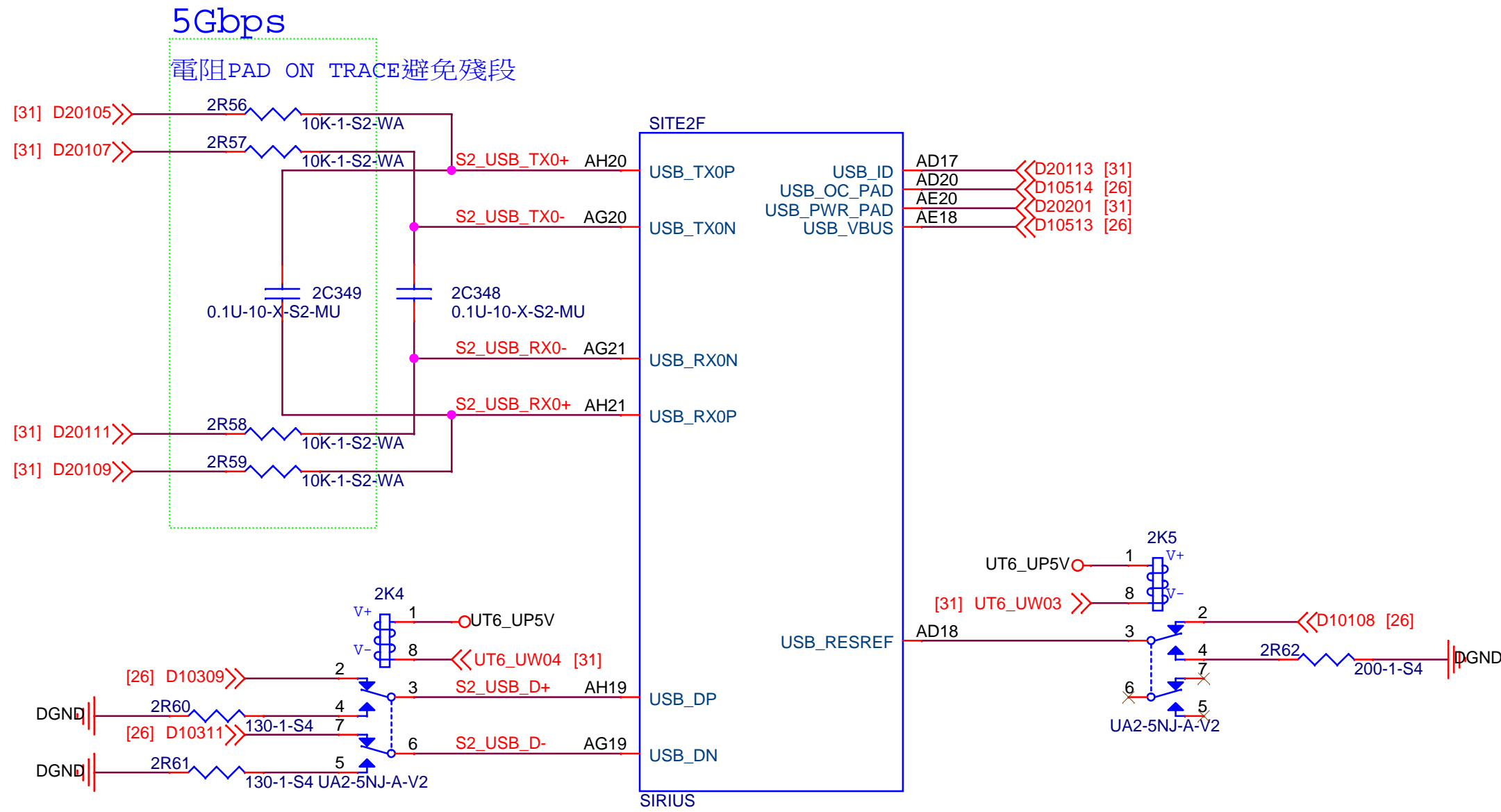
single



TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P15.S2_TYPEC
Product Name
980KU-SIRIUS-1AG-A10
PCB Number
038KU-SIRIUS16Q-A100

Designer: Henry Yuan
Ext.Num.: 213
Approver: <Approver>
Ext.Num.: <Ext.>
Date: Wednesday, December 20, 2017
Rev. Size PAGE
<RevCode> A4 17 of 34



KEYSTONE
MICROTECH

TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P16.S2_USB

Product Name
980KU-SIRIUS-1AG-A10

PCB Number
038KU-SIRIUS16Q-A100

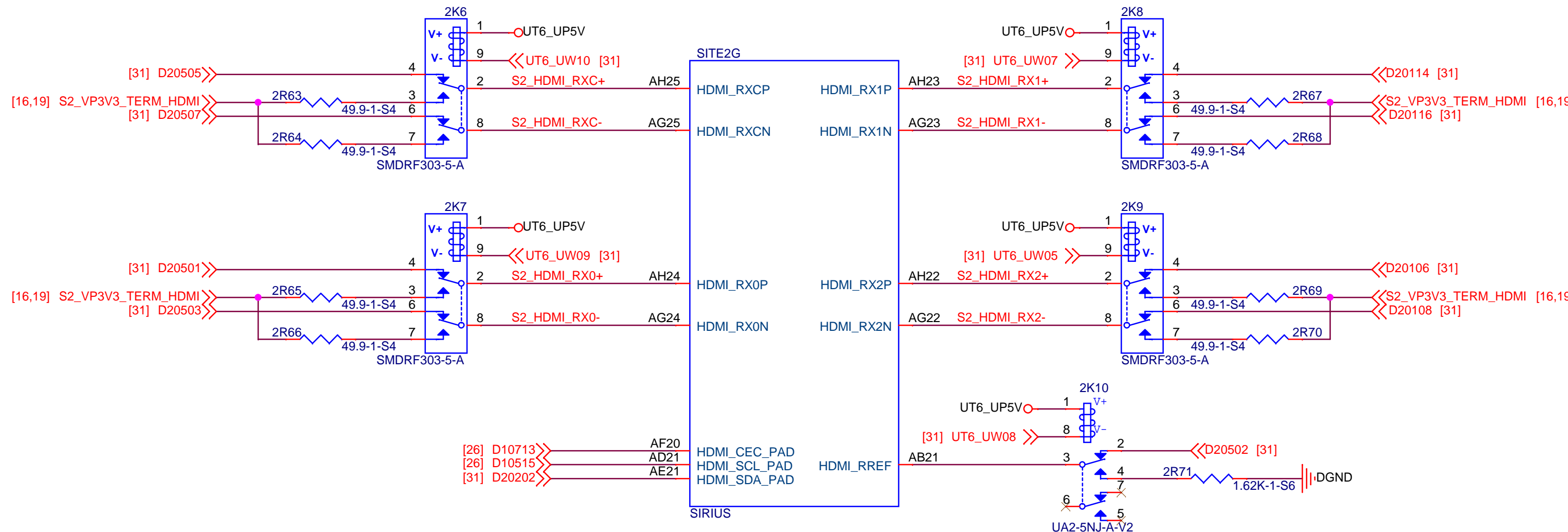
Designer: Henry Yuan
Ext.Num.: 213

Approver: <Approver>
Ext.Num.: <Ext.>

Date: Wednesday, December 20, 2017

Rev. Size PAGE
<RevCode> A4 18 of 34

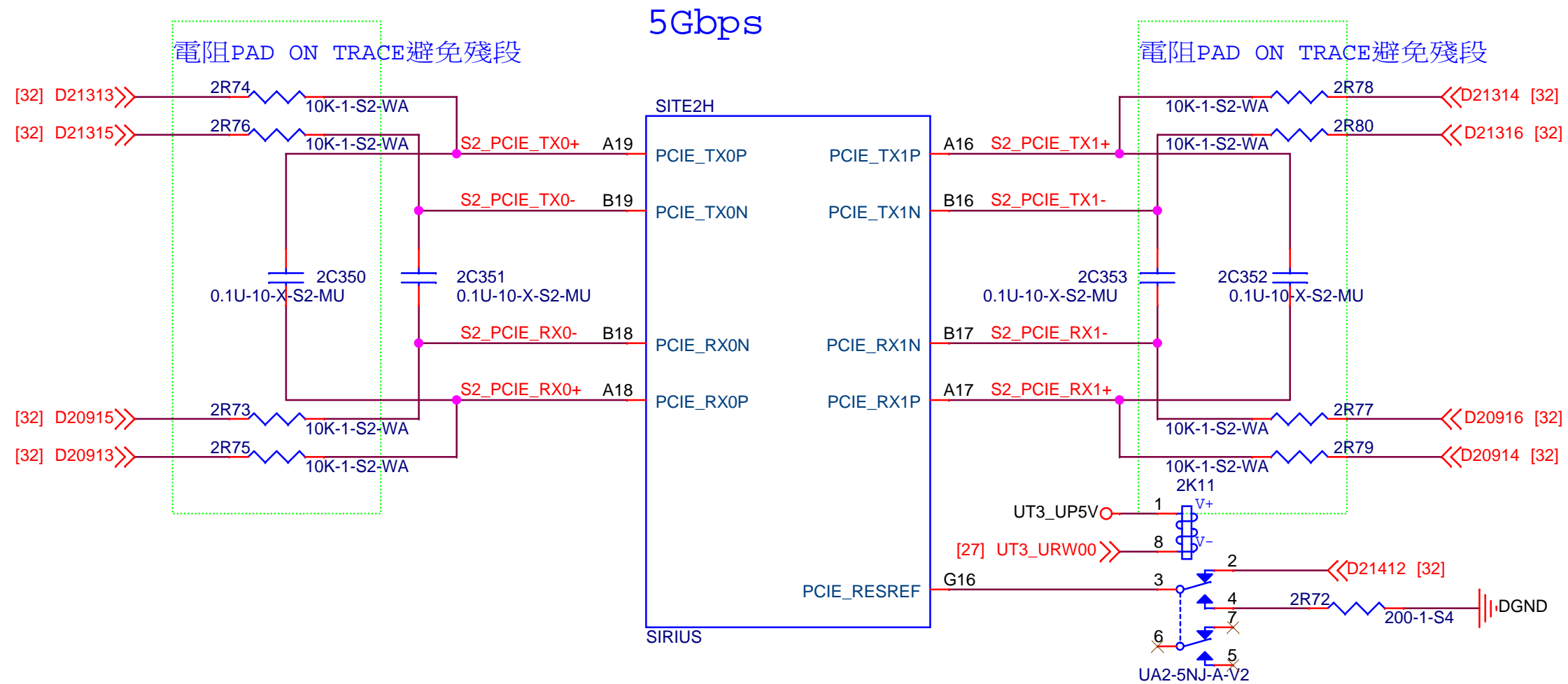
3.4Gbps



TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P17.S2_HDMI
Product Name
980KU-SIRIUS-1AG-A10
PCB Number
038KU-SIRIUS16Q-A100

Designer: Henry Yuan
Ext.Num.: 213
Approver: <Approver>
Ext.Num.: <Ext.>
Date: Wednesday, December 20, 2017
Rev. Size PAGE
<RevCode> A4 19 of 34



TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P18.S2_PCIE

Product Name
980KU-SIRIUS-1AG-A10

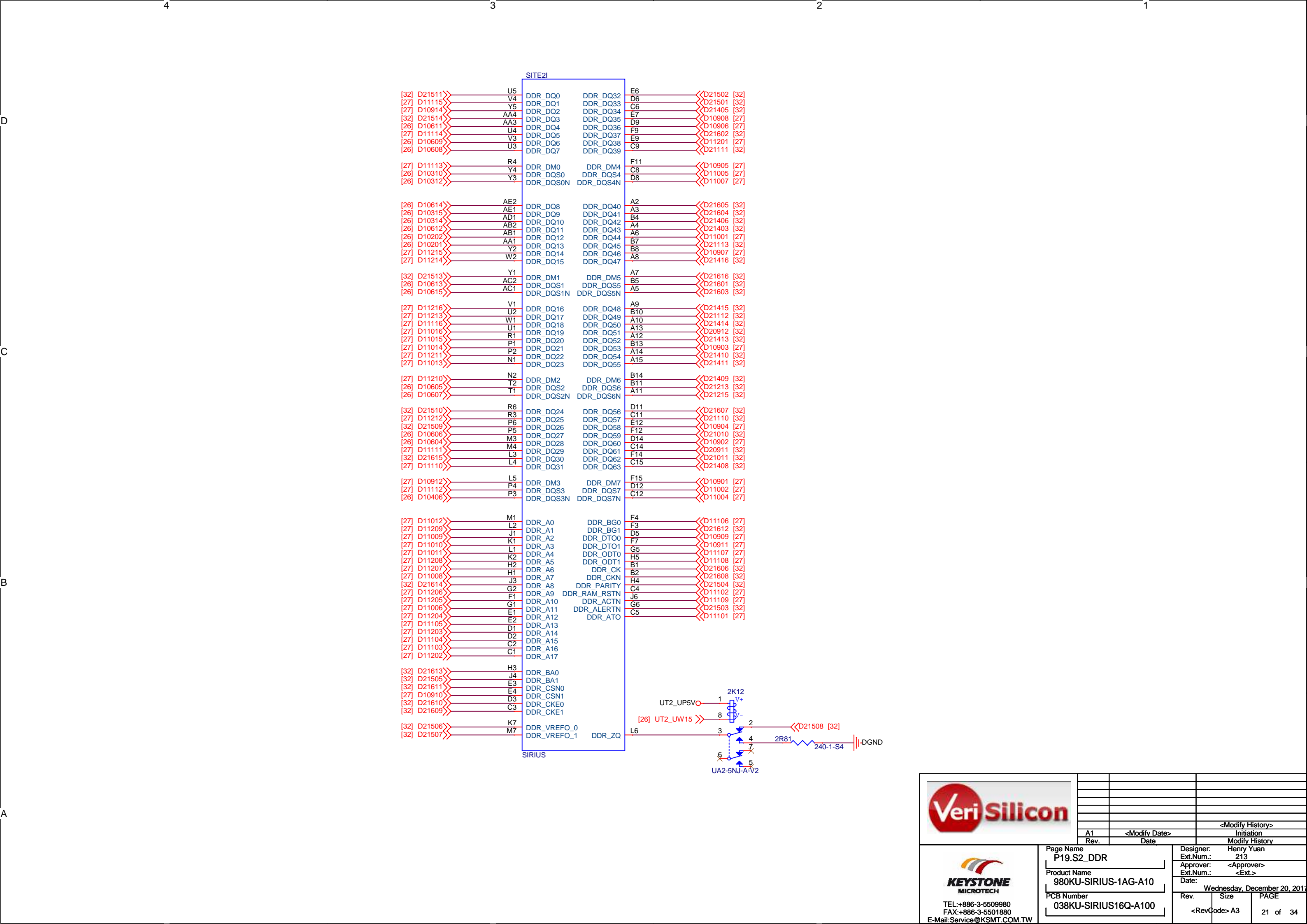
PCB Number
038KU-SIRIUS16Q-A100


Designer: Henry Yuan
Ext.Num.: 213

Approver: <Approver>
Ext.Num.: <Ext.>


Date: Wednesday, December 20, 2017

Rev.	Size	PAGE
<RevCode> A4		20 of 34





A1	<Modify Date>	<Modify History>
Rev.	Date	Initiation
		Modify History



TEL:+886-3-5509980
FAX:+886-3-5501880
E-Mail:Service@KSMT.COM.TW

Page Name
P19.S2_DDR

Product Name
980KU-SIRIUS-1AG-A10

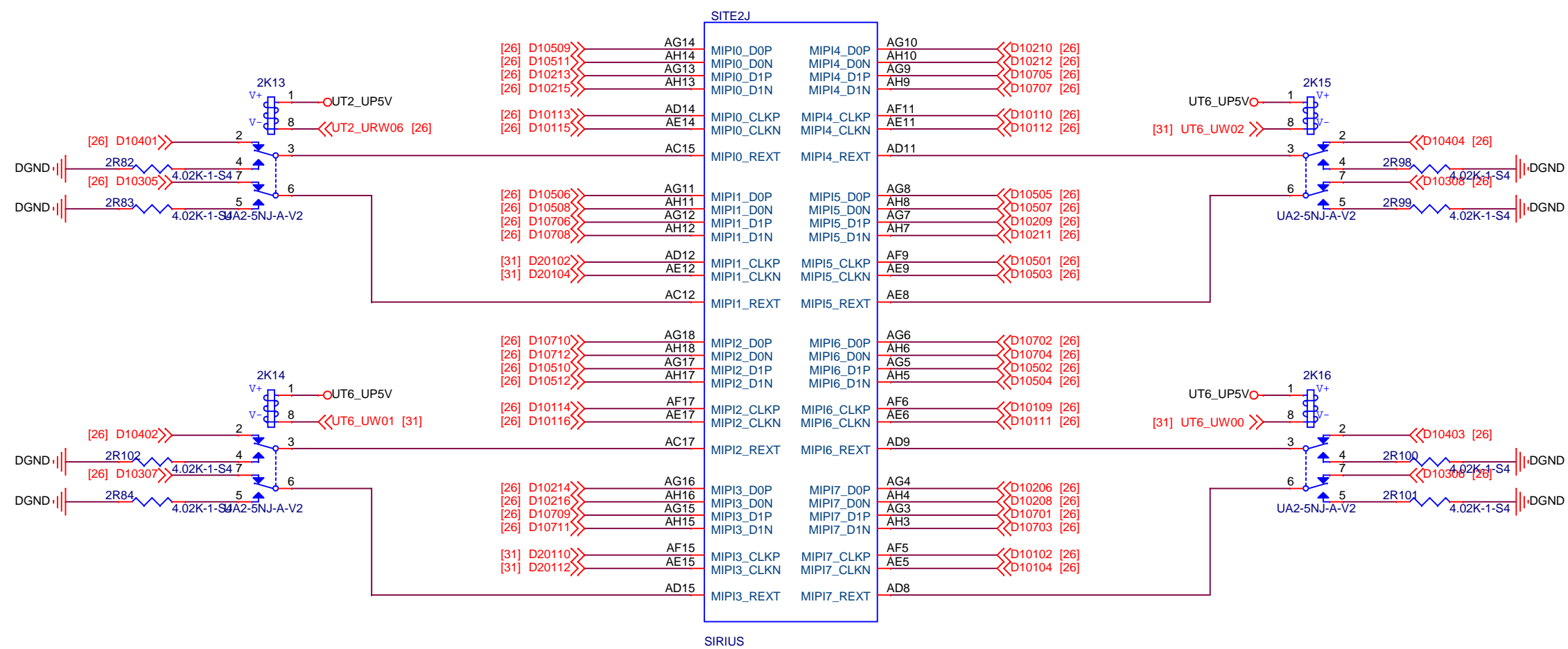
PCB Number
038KU-SIRIUS16Q-A100

Designer: Henry Yuan
Ext.Num.: 213

Approver: <Approver>
Ext.Num.: <Ext.>

Date: Wednesday, December 20, 2017

Rev.	Size	PAGE
<RevCode> A3		21 of 34



TEL:+886-3-5509980
FAX:+886-3-5501880
-Mail:Service@KSMT.COM.TW

Page Name	Rev.	Date
P20.S2_MIPi		
Product Name		
980KU-SIRIUS-1AG-A10		
PCB Number		
038KU-SIRIUS16Q-A100		

Designer:		Henry Yuan	
Ext.Num.:		213	
Approver:		<Approver>	
Ext.Num.:		<Ext.>	
Date:		Wednesday, December 20, 201	
Rev.	Size	PAGE	
<RevCode> A3		22 of 24	

