J1A

Pin	Signal		Signal	Pin			Net
C1	GND		PG_C2M	D1			
C2	DP0_C2M_P		GND	D2			
C3	DP0_C2M_N		GND	D3			
C4	GND		GBTCLK0_M2C_P	D4	FMC_GBTCLK0_M2C_P	FMC_GBTCLK0_M2C_P	8
C5	GND		GBTCLK0_M2C_N	D5	FMC_GBTCLK0_M2C_N	FMC_GBTCLK0_M2C_N	8
C6	DP0_M2C_P		GND	D6			
C7	DP0_M2C_N		GND	D7			
C8	GND		LA01_P_CC	D8		SDI_CLK1_P	8
C9	GND		LA01_N_CC	D9		SDI_CLK1_N	8
C10	LA06_P		GND	D10			
C11	LA06_N		LA05_P	D11		FMC_570_SDA	8
C12	GND		LA05_N	D12		FMC_570_SCL	8
C13	GND		GND	D13			
C14	LA10_P		LA09_P	D14			
C15	LA10_N		LA09_N	D15			
C16	GND		GND	D16			
C17	GND		LA13_P	D17			
C18	LA14_P		LA13_N	D18			
C19	LA14_N		GND	D19			
C20	GND		LA17_P_CC	D20		FMC_REC_CLOCK_P	8
C21	GND		LA17_N_CC	D21		FMC_REC_CLOCK_N	8
C22	LA18_P_CC		GND	D22			
C23	LA18_N_CC		LA23_P	D23			
C24	GND		LA23_N	D24			
C25	GND		GND	D25			
C26	LA27_P		LA26_P	D26			
C27	LA27_N		LA26_N	D27			
C28	GND		GND	D28			
C29	GND		TCK	D29		FMC_TCK	
C30	SCL		TDI	D30		FMC_TDI	
C31	SDA		TDO	D31		FMC_TDO	
C32	GND		3V3AUX	D32		FMC_TMS	
C33	GND		TMS	D33			
C34	GA0		TRST_L	D34			
C35	12V0_1		GA1	D35		GA1	
C36	GND		3V3	D36			
C37	12V0_2		GND	D37			
C38	GND		3V3	D38			
C39	3V3		GND	D39			
C40	GND		3V3	D40			

ASP-134488-01

FMC_SCL
FMC_SDA

GA0
+12V
+3.3V

+3.3V

J1B

Pin	Signal		Signal	Pin	Net	
G1	GND		VREF_A_M2C	H1	FMC_PRSNT	
G2	CLK1_M2C_P		PRSNT_M2C_L	H2		
G3	CLK1_M2C_N		GND	H3		
G4	GND		CLK0_M2C_P	H4		
G5	GND		CLK0_M2C_N	H5		
G6	LA00_P_CC	SDI_CLK0_P 8	GND	H6		
G7	LA00_N_CC	SDI_CLK0_N 8	GND	H7		
G8	GND		LA02_P	H8	FMC_SDI4_CABLE	7
G9	LA03_P	FMC_SDI4_CS 7	LA02_N	H9	FMC_SDI4_SLEEP	7
G10	LA03_N	FMC_SDI4_SDIN 7	GND	H10		
G11	GND		LA04_P	H11	FMC_SDI4_SCLK	7
G12	LA08_P	FMC_SDI4_LOS 7	LA04_N	H12	FMC_SDI4_SDOUT	7
G13	LA08_N	FMC_SDI4_LOCK 7	GND	H13		
G14	GND		LA07_P	H14	FMC_SDI3_CABLE	6
G15	LA12_P		LA07_N	H15	FMC_SDI3_SLEEP	6
G16	LA12_N	FMC_SDI3_CS 6	GND	H16		
G17	GND	FMC_SDI3_SDIN 6	LA11_P	H17	FMC_SDI3_SCLK	6
G18	LA16_P		LA11_N	H18	FMC_SDI3_SDOUT	6
G19	LA16_N	FMC_SDI3_LOS 6	GND	H19		
G20	GND	FMC_SDI3_LOCK 6	LA15_P	H20	FMC_SDI2_CABLE	5
G21	LA20_P		LA15_N	H21	FMC_SDI2_SLEEP	5
G22	LA20_N	FMC_SDI2_CS 5	GND	H22		
G23	GND	FMC_SDI2_SDIN 5	LA19_P	H23	FMC_SDI2_SCLK	5
G24	LA22_P		LA19_N	H24	FMC_SDI2_SDOUT	5
G25	LA22_N	FMC_SDI2_LOS 5	GND	H25		
G26	GND	FMC_SDI2_LOCK 5	LA21_P	H26	FMC_SDI1_CABLE	4
G27	LA25_P		LA21_N	H27	FMC_SDI1_SLEEP	4
G28	LA25_N	FMC_SDI1_CS 4	GND	H28		
G29	GND	FMC_SDI1_SDIN 4	LA24_P	H29	FMC_SDI1_SCLK	4
G30	LA29_P		LA24_N	H30	FMC_SDI1_SDOUT	4
G31	LA29_N	FMC_SDI1_LOS 4	GND	H31		
G32	GND	FMC_SDI1_LOCK 4	LA28_P	H32		
G33	LA31_P		LA28_N	H33		
G34	LA31_N		GND	H34		
G35	GND		LA30_P	H35		
G36	LA33_P		LA30_N	H36		
G37	LA33_N		GND	H37		
G38	GND		LA32_P	H38		
G39	VADJ_3		LA32_N	H39	VADJ	
G40	GND		VADJ_4	H40		

VADJ

SHELD1
SHELD2

ASP-134488-01

S1
S2

DGND

+12V
C1 C2
10uF/25V 0.1uF/25V

VADJ
C3 C4 C5 C6
10uF/25V 10uF/25V 0.1uF/25V 10uF/25V

+3.3V
C7 C8 C9 C10
10uF/25V 10uF/25V 0.1uF/25V 10uF/25V

EEPROM

+3.3V   +3.3V

R1   R2
10K/1% 10K/1%

C11
0.1uF/25V

U1
24LC04

8	VCC	A0	1
7	WP	A1	2
6	SCL	A2	3
5	SDA	GND	4

R4 10K/1% GA0
R5 10K/1% GA1

FMC_SCL
FMC_SDA

S1   S2

NC   NC

R44
100R

C184
10nF/1KV

DGND

LED1
R3 330R
RED
+3.3V
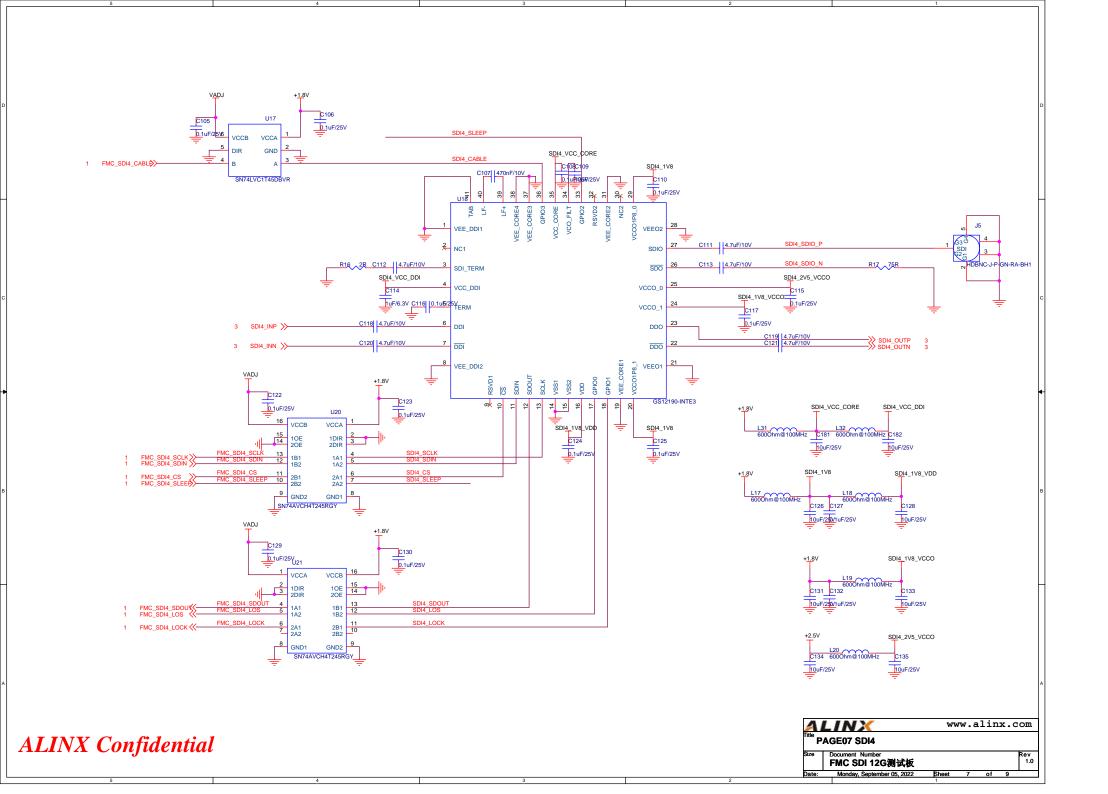
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Title
PAGE01 FMC_HPC1
Size
Document Number
FMC SDI 12G测试板
Rev 1.0
Date: Monday, September 05, 2022
Sheet 1 of 9

J1C

E1	GND	PG_M2C	F1
E2	HA01_P_CC	GND	F2
E3	HA01_N_CC	GND	F3
E4	GND	HA00_P_CC	F4
E5	GND	HA00_N_CC	F5
E6	HA05_P	GND	F6
E7	HA05_N	HA04_P	F7
E8	GND	HA04_N	F8
E9	HA09_P	GND	F9
E10	HA09_N	HA08_P	F10
E11	GND	HA08_N	F11
E12	HA13_P	GND	F12
E13	HA13_N	HA12_P	F13
E14	GND	HA12_N	F14
E15	HA16_P	GND	F15
E16	HA16_N	HA15_P	F16
E17	GND	HA15_N	F17
E18	HA20_P	GND	F18
E19	HA20_N	HA19_P	F19
E20	GND	HA19_N	F20
E21	HB03_P	GND	F21
E22	HB03_N	HB02_P	F22
E23	GND	HB02_N	F23
E24	HB05_P	GND	F24
E25	HB05_N	HB04_P	F25
E26	GND	HB04_N	F26
E27	HB09_P	GND	F27
E28	HB09_N	HB08_P	F28
E29	GND	HB08_N	F29
E30	HB13_P	GND	F30
E31	HB13_N	HB12_P	F31
E32	GND	HB12_N	F32
E33	HB19_P	GND	F33
E34	HB19_N	HB16_P	F34
E35	GND	HB16_N	F35
E36	HB21_P	GND	F36
E37	HB21_N	HB20_P	F37
E38	GND	HB20_N	F38
E39	VADJ5	GND	F39
E40	GND	VADJ6	F40

ASP-134488-01

VADJ

J1D

J1	GND	VREF_B_M2C	K1
J2	CLK1_C2M_P	GND	K2
J3	CLK1_C2M_N	GND	K3
J4	GND	CLK1_M2C_P	K4
J5	GND	CLK1_M2C_N	K5
J6	HA03_P	GND	K6
J7	HA03_N	HA02_P	K7
J8	GND	HA02_N	K8
J9	HA07_P	GND	K9
J10	HA07_N	HA06_P	K10
J11	GND	HA06_N	K11
J12	HA11_P	GND	K12
J13	HA11_N	HA10_P	K13
J14	GND	HA10_N	K14
J15	HA14_P	GND	K15
J16	HA14_N	HA17_P_CC	K16
J17	GND	HA17_N_CC	K17
J18	HA18_P	GND	K18
J19	HA18_N	HA21_P	K19
J20	GND	HA21_N	K20
J21	HA22_P	GND	K21
J22	HA22_N	HA23_P	K22
J23	GND	HA23_N	K23
J24	HB01_P	GND	K24
J25	HB01_N	HB00_P_CC	K25
J26	GND	HB00_N_CC	K26
J27	HB07_P	GND	K27
J28	HB07_N	HB06_P_CC	K28
J29	GND	HB06_N_CC	K29
J30	HB11_P	GND	K30
J31	HB11_N	HB10_P	K31
J32	GND	HB10_N	K32
J33	HB15_P	GND	K33
J34	HB15_N	HB14_P	K34
J35	GND	HB14_N	K35
J36	HB18_P	GND	K36
J37	HB18_N	HB17_P_CC	K37
J38	GND	HB17_N_CC	K38
J39	VIO_B_M2C	GND	K39
J40	GND	VIO_B_M2C	K40

ASP-134488-01

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Title
PAGE02 FMC_HPC2

Size	Document Number	Rev
	FMC SDI 12G测试板	**1.0**

Date: Friday, September 02, 2022 Sheet 2 of 9

J1E

Pin	Signal (left)		Signal (right)	Pin
A1	GND	RES1		B1
A2	DP1_M2C_P (FMC_DP1_M2C_P)	GND		B2
A3	DP1_M2C_N (FMC_DP1_M2C_N)	GND		B3
A4	GND	DP9_M2C_P		B4
A5	GND	DP9_M2C_N		B5
A6	DP2_M2C_P (FMC_DP2_M2C_P)	GND		B6
A7	DP2_M2C_N (FMC_DP2_M2C_N)	GND		B7
A8	GND	DP8_M2C_P		B8
A9	GND	DP8_M2C_N		B9
A10	DP3_M2C_P (FMC_DP3_M2C_P)	GND		B10
A11	DP3_M2C_N (FMC_DP3_M2C_N)	GND		B11
A12	GND	DP7_M2C_P (FMC_DP7_M2C_P)	SDI4_OUTP 7	B12
A13	GND	DP7_M2C_N (FMC_DP7_M2C_N)	SDI4_OUTN 7	B13
A14	DP4_M2C_P (FMC_DP4_M2C_P) SDI3_OUTP 6	GND		B14
A15	DP4_M2C_N (FMC_DP4_M2C_N) SDI3_OUTN 6	GND		B15
A16	GND	DP6_M2C_P (FMC_DP6_M2C_P)	SDI2_OUTP 5	B16
A17	GND	DP6_M2C_N (FMC_DP6_M2C_N)	SDI2_OUTN 5	B17
A18	DP5_M2C_P (FMC_DP5_M2C_P) SDI1_OUTP 4	GND		B18
A19	DP5_M2C_N (FMC_DP5_M2C_N) SDI1_OUTN 4	GND		B19
A20	GND	GND		B20
A21	GND	GBTCLK1_M2C_P (FMC_GBTCLK1_M2C_P)	FMC_GBTCLK1_M2C_P 8	B21
A22	DP1_C2M_P (FMC_DP1_C2M_P)	GBTCLK1_M2C_N (FMC_GBTCLK1_M2C_N)	FMC_GBTCLK1_M2C_N 8	B22
A23	DP1_C2M_N (FMC_DP1_C2M_N)	GND		B23
A24	GND	GND		B24
A25	GND	DP9_C2M_P		B25
A26	DP2_C2M_P (FMC_DP2_C2M_P)	DP9_C2M_N		B26
A27	DP2_C2M_N (FMC_DP2_C2M_N)	GND		B27
A28	GND	GND		B28
A29	GND	DP8_C2M_P		B29
A30	DP3_C2M_P (FMC_DP3_C2M_P)	DP8_C2M_N		B30
A31	DP3_C2M_N (FMC_DP3_C2M_N)	GND		B31
A32	GND	GND		B32
A33	GND	DP7_C2M_P (FMC_DP7_C2M_P)	SDI4_INP 7	B33
A34	DP4_C2M_P (FMC_DP4_C2M_P) SDI3_INP 6	DP7_C2M_N (FMC_DP7_C2M_N)	SDI4_INN 7	B34
A35	DP4_C2M_N (FMC_DP4_C2M_N) SDI3_INN 6	GND		B35
A36	GND	GND		B36
A37	GND	DP6_C2M_P (FMC_DP6_C2M_P)	SDI2_INP 5	B37
A38	DP5_C2M_P (FMC_DP5_C2M_P) SDI1_INP 4	DP6_C2M_N (FMC_DP6_C2M_N)	SDI2_INN 5	B38
A39	DP5_C2M_N (FMC_DP5_C2M_N) SDI1_INN 4	GND		B39
A40	GND	RES0		B40

ASP-134488-01

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Title
PAGE04 SDI1

Size | Document Number | Rev
FMC SDI 12G测试板 | 1.0

Date: Monday, September 05, 2022 | Sheet 4 of 9

PAGE05 SDI2

VADJ +1.8V

C44 0.1uF/25V U7 C43 0.1uF/25V

VCCB VCCA 1
DIR GND 2
B A 3

FMC_SDI2_CABLE 5 DIR 4

SN74LVC1T45DBVR

SDI2_SLEEP
SDI2_CABLE

SDI2_VCC_CORE
C46 C47 0.1uF/25V 0.1uF/25V

SDI2_1V8 C48 0.1uF/25V

C45 470nF/10V

U8
41 TAB
40 LF-
39 LF+
38 VEE_CORE4
37 VEE_CORE3
36 GPIO3
35 VCC_CORE
34 VCO_FILT
33 GPIO2
32 RSVD2
31 VEE_CORE2
30 NC2
29 VCCO1P8_0

1 VEE_DDI1
2 NC1
3 SDI_TERM R10 2R C50 4.7uF/10V
4 VCC_DDI SDI2_VCC_DDI
5 TERM C52 1uF/6.3V C54 0.1uF/25V
6 DDI C56 4.7uF/10V SDI2_INP 3
7 DDI C58 4.7uF/10V SDI2_INN 3
8 VEE_DDI2

28 VEEO2
27 SDIO C49 4.7uF/10V SDI2_SDIO_P
26 SDO C51 4.7uF/10V SDI2_SDIO_N R11 75R
25 VCCO_0 SDI2_2V5_VCCO
24 VCCO_1 SDI2_1V8_VCCO C53 0.1uF/25V C55 0.1uF/25V
23 DDO
22 DDO C57 4.7uF/10V SDI2_OUTP 3 C59 4.7uF/10V SDI2_OUTN 3
21 VEEO1

9 RSVD1
10 CS
11 SDIN
12 SDOUT
13 SCLK
14 VSS1
15 VSS2
16 VDD
17 GPIO0
18 GPIO1
19 VEE_CORE1
20 VCCO1P8_1

GS12190-INTE3

J3 HDBNC-J-P-GN-RA-BH1
SDI 1
5
4
3
2

VADJ +1.8V
C60 0.1uF/25V C61 0.1uF/25V

U10
16 VCCB VCCA 1
15 1OE 1DIR 2
14 2OE 2DIR 3
13 1B1 1A1 4
12 1B2 1A2 5
11 2B1 2A1 6
10 2B2 2A2 7
9 GND2 GND1 8
SN74AVCH4T245RGY

FMC_SDI2_SCLK FMC_SDI2_SCLK SDI2_SCLK
FMC_SDI2_SDIN FMC_SDI2_SDIN SDI2_SDIN
FMC_SDI2_CS FMC_SDI2_CS SDI2_CS
FMC_SDI2_SLEEP FMC_SDI2_SLEEP SDI2_SLEEP

SDI2_1V8_VDD C62 0.1uF/25V
SDI2_1V8 C63 0.1uF/25V

VADJ +1.8V
C67 0.1uF/25V C68 0.1uF/25V

U11
1 VCCA VCCB 16
2 1DIR 1OE 15
3 2DIR 2OE 14
4 1A1 1B1 13
5 1A2 1B2 12
6 2A1 2B1 11
7 2A2 2B2 10
8 GND1 GND2 9
SN74AVCH4T245RGY

FMC_SDI2_SDOUT FMC_SDI2_SDOUT SDI2_SDOUT
FMC_SDI2_LOS FMC_SDI2_LOS SDI2_LOS
FMC_SDI2_LOCK FMC_SDI2_LOCK SDI2_LOCK

+1.8V L27 600Ohm@100MHz SDI2_VCC_CORE L28 600Ohm@100MHz SDI2_VCC_DDI
C177 10uF/25V C178 10uF/25V

+1.8V L7 600Ohm@100MHz SDI2_1V8 L8 600Ohm@100MHz SDI2_1V8_VDD
C64 10uF/25V C65 1uF/25V C66 10uF/25V

+1.8V L9 600Ohm@100MHz SDI2_1V8_VCCO
C69 10uF/25V C70 1uF/25V C71 10uF/25V

+2.5V L10 600Ohm@100MHz SDI2_2V5_VCCO
C72 10uF/25V C73 10uF/25V

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VADJ

+1.8V

C75　0.1uF/25V

C74　0.1uF/25V

U12
VCCB　VCCA　1
DIR　GND　2
B　A　3
SN74LVC1T45DBVR

5　DIR
4　B

1　FMC_SDI3_CABLE

SDI3_SLEEP

SDI3_CABLE

SDI3_VCC_CORE

C77　C78
0.1uF　0.1uF/25V

SDI3_1V8
C79　0.1uF/25V

C76　470nF/10V

U13
40 TAB
39 LF-
38 LF+
37 VEE_CORE4
36 VEE_CORE3
35 GPIO3
34 VCC_CORE
33 VCO_FILT
32 GPIO2
31 RSVD2
30 VEE_CORE2
29 NC2
VCCO1P8_0

1 VEE_DDI1
2 NC1
3 SDI_TERM
4 VCC_DDI
5 TERM
6 DDI
7 DDI
8 VEE_DDI2

28 VEEO2
27 SDIO
26 SDO
25 VCCO_0
24 VCCO_1
23 DDO
22 DDO
21 VEEO1

GS12190-INTE3

R13　2R　C81　4.7uF/10V

SDI3_VCC_DDI
C83
1uF/6.3V　C85　0.1uF/25V

3　SDI3_INP　C87　4.7uF/10V
3　SDI3_INN　C89　4.7uF/10V

C80　4.7uF/10V　SDI3_SDIO_P
C82　4.7uF/10V　SDI3_SDIO_N　R14　75R

SDI3_2V5_VCCO
C84　0.1uF/25V

SDI3_1V8_VCCO
C86　0.1uF/25V

C88　4.7uF/10V　SDI3_OUTP　3
C90　4.7uF/10V　SDI3_OUTN　3

J4
SDI
HDBNC-J-P-GN-RA-BH1

9 RSVD1
10 CS
11 SDIN
12 SDOUT
13 SCLK
14 VSS1
15 VSS2
16 VDD
17 GPIO0
18 GPIO1
19 VEE_CORE1
20 VCCO1P8_1

VADJ
C91　0.1uF/25V

+1.8V
C92　0.1uF/25V

SDI3_1V8_VDD
C93　0.1uF/25V

SDI3_1V8
C94　0.1uF/25V

U15
16 VCCB　VCCA 1
15 1OE
14 2OE
13 1B1　1A1 5
12 1B2　1A2
11 2B1　2A1 6
10 2B2　2A2 7
9 GND2　GND1 8
SN74AVCH4T245RGY

2 1DIR
3 2DIR

SDI3_SCLK
SDI3_SDIN
SDI3_CS
SDI3_SLEEP

1 FMC_SDI3_SCLK
1 FMC_SDI3_SDIN
1 FMC_SDI3_CS
1 FMC_SDI3_SLEEP

VADJ
C98　0.1uF/25V

+1.8V
C99　0.1uF/25V

U16
VCCA　VCCB 16
1DIR　1OE 15
2DIR　2OE 14
1A1　1B1 13
1A2　1B2 12
2A1　2B1 11
2A2　2B2 10
GND1　GND2 9
SN74AVCH4T245RGY

SDI3_SDOUT
SDI3_LOS
SDI3_LOCK

1 FMC_SDI3_SDOUT
1 FMC_SDI3_LOS
1 FMC_SDI3_LOCK

+1.8V
L29　600Ohm@100MHz　SDI3_VCC_CORE
C179　10uF/25V
L30　600Ohm@100MHz　SDI3_VCC_DDI
C180　10uF/25V

+1.8V
L12　600Ohm@100MHz　SDI3_1V8
C95　10uF/25V　C96　1uF/25V
L13　600Ohm@100MHz　SDI3_1V8_VDD
C97　10uF/25V

+1.8V
L14　600Ohm@100MHz　SDI3_1V8_VCCO
C100　10uF/25V　C101　1uF/25V
C102　10uF/25V

+2.5V
L15　600Ohm@100MHz　SDI3_2V5_VCCO
C103　10uF/25V
C104　10uF/25V

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VADJ
+1.8V
C105 0.1uF/25V
C106 0.1uF/25V
U17
VCCB VCCA 1
DIR GND 2
B A 3
SN74LVC1T45DBVR

1 FMC_SDI4_CABLE

SDI4_SLEEP
SDI4_CABLE
SDI4_VCC_CORE
C108 C109 0.1uF/25V
SDI4_1V8
C110 0.1uF/25V

C107 470nF/10V

U18
TAB LF- LF+ VEE_CORE4 VEE_CORE3 GPIO3 VCC_CORE VCO_FILT GPIO2 RSVD2 VEE_CORE2 NC2 VCCO1P8_0
41 40 39 38 37 36 35 34 33 32 31 30 29

VEE_DDI1 1
NC1 2
R16 2R C112 4.7uF/10V
SDI_TERM 3
SDI4_VCC_DDI
C114 1uF/6.3V C116 0.1uF/25V
VCC_DDI 4
TERM 5
3 SDI4_INP C118 4.7uF/10V DDI 6
3 SDI4_INN C120 4.7uF/10V DDI 7
VEE_DDI2 8

VEEO2 28
SDIO 27 C111 4.7uF/10V SDI4_SDIO_P
DDO 26 C113 4.7uF/10V SDI4_SDIO_N R17 75R
VCCO_0 25 SDI4_2V5_VCCO C115 0.1uF/25V
VCCO_1 24 SDI4_1V8_VCCO C117 0.1uF/25V
DDO 23
DDO 22 C119 4.7uF/10V SDI4_OUTP 3
C121 4.7uF/10V SDI4_OUTN 3
VEEO1 21

GS12190-INTE3

RSVD1 CS SDIN SDOUT SCLK VSS1 VSS2 VDD GPIO0 GPIO1 VEE_CORE1 VCCO1P8_1
9 10 11 12 13 14 15 16 17 18 19 20

J5
G5 G4
SDI
G3 G2 G1
HDBNC-J-P-GN-RA-BH1

VADJ
+1.8V
C122 0.1uF/25V
C123 0.1uF/25V
U20
16 VCCB VCCA 1
15 1OE 1DIR 2
14 2OE 2DIR 3
FMC_SDI4_SCLK 13 1B1 1A1 4 SDI4_SCLK
FMC_SDI4_SDIN 12 1B2 1A2 5 SDI4_SDIN
FMC_SDI4_CS 11 2B1 2A1 6 SDI4_CS
FMC_SDI4_SLEEP 10 2B2 2A2 7 SDI4_SLEEP
9 GND2 GND1 8
SN74AVCH4T245RGY

1 FMC_SDI4_SCLK
1 FMC_SDI4_SDIN
1 FMC_SDI4_CS
1 FMC_SDI4_SLEEP

SDI4_1V8_VDD
C124 0.1uF/25V
SDI4_1V8
C125 0.1uF/25V

VADJ
+1.8V
C129 0.1uF/25V
C130 0.1uF/25V
U21
1 VCCA VCCB 16
2 1DIR 1OE 15
3 2DIR 2OE 14
FMC_SDI4_SDOUT 4 1A1 1B1 13 SDI4_SDOUT
FMC_SDI4_LOS 5 1A2 1B2 12 SDI4_LOS
FMC_SDI4_LOCK 6 2A1 2B1 11 SDI4_LOCK
7 2A2 2B2 10
8 GND1 GND2 9
SN74AVCH4T245RGY

1 FMC_SDI4_SDOUT
1 FMC_SDI4_LOS
1 FMC_SDI4_LOCK

+1.8V SDI4_VCC_CORE SDI4_VCC_DDI
L31 600Ohm@100MHz C181 10uF/25V L32 600Ohm@100MHz C182 10uF/25V

+1.8V SDI4_1V8 SDI4_1V8_VDD
L17 600Ohm@100MHz C126 10uF/25V C127 1uF/25V L18 600Ohm@100MHz C128 10uF/25V

+1.8V SDI4_1V8_VCCO
L19 600Ohm@100MHz C131 10uF/25V C132 1uF/25V C133 10uF/25V

+2.5V SDI4_2V5_VCCO
L20 600Ohm@100MHz C134 10uF/25V C135 10uF/25V

SDI REF CLOCK

148.5MHz

SDI REF CLOCK

148.35MHz

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Title
PAGE08 Clock

Size | Document Number | Rev
FMC SDI 12G测试板 | 1.0

Date: | Tuesday, September 06, 2022 | Sheet 8 of 9

1.8V POWER 3A

+12V

+1.8V

U26

Pin	Name		Name	Pin
10	AVIN1	SW1	1
11	PVIN2	SW2	2
12	PVIN3	SW3	3
13	EN	VOS	14
9	SS/TR	PG	4
8	DEF	FSW	7
		FB	5

TPAD PGND1 PGND2 AGND3
20 16 15 6

TLV62130RGT

L22 CMLE051E-2R2MS

C158 0.1uF/25V   C159 10uF/25V   C160 3.3nF/25V

R30 10K/1%

R31 18.7K/1%

C154 22uF/6.3V   C155 0.1uF/25V

R34 15K/1%

2.5V POWER 3A

+12V

+2.5V

U27

Pin	Name		Name	Pin
10	AVIN1	SW1	1
11	PVIN2	SW2	2
12	PVIN3	SW3	3
13	EN	VOS	14
9	SS/TR	PG	4
8	DEF	FSW	7
		FB	5

TPAD PGND1 PGND2 AGND3
20 16 15 6

TLV62130RGT

L23 CMLE051E-2R2MS

C161 0.1uF/25V   C162 10uF/25V   C163 3.3nF/25V

R32 10K/1%

R33 10K/1%

C156 22uF/6.3V   C157 0.1uF/25V

R35 4.7K/1%

+12V +3.3V +2.5V +1.8V VADJ

NC   NC   NC   NC   NC   NC
J11   J10   J8   J7   J12   J9