

Title

**GeoMon Power Source Test Fixture**

Sheet 1 of 4

Variant:

Standard

Revision:

**V 1.0**

Created by:

DI Gerhard Kreuzer

Checked by:

ISHIDBEN-T

File: GeoMon Power Source Test Fixture.SchDoc

Number:

**M9032.5**

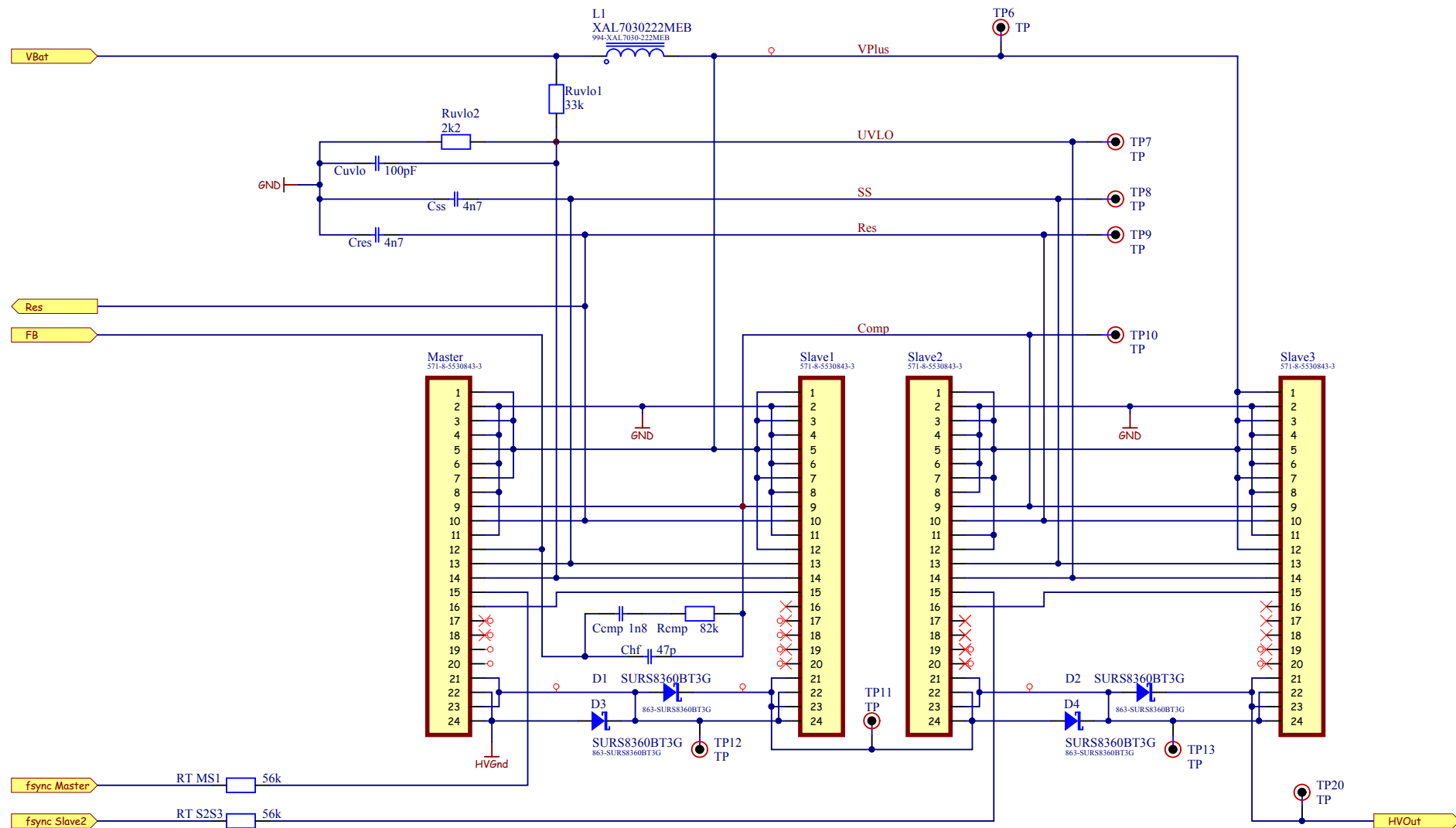
Date: 05.02.2014

Time: 22:55:06



www.liftoff.at

 Dep.: GeoMonitor  
 Karlsgasse 6  
 3001 Tullinger Kogel  
 Austria  
 Tel: +43 2273 80222



Title

**Power Grid**

Sheet 2 of 4

Variant:

Standard

Revision:

V 1.0

File: Power Grid.SchDoc

Created by:

DI Gerhard Kreuzer

Checked by:

ISHIDDEN=T

Number:

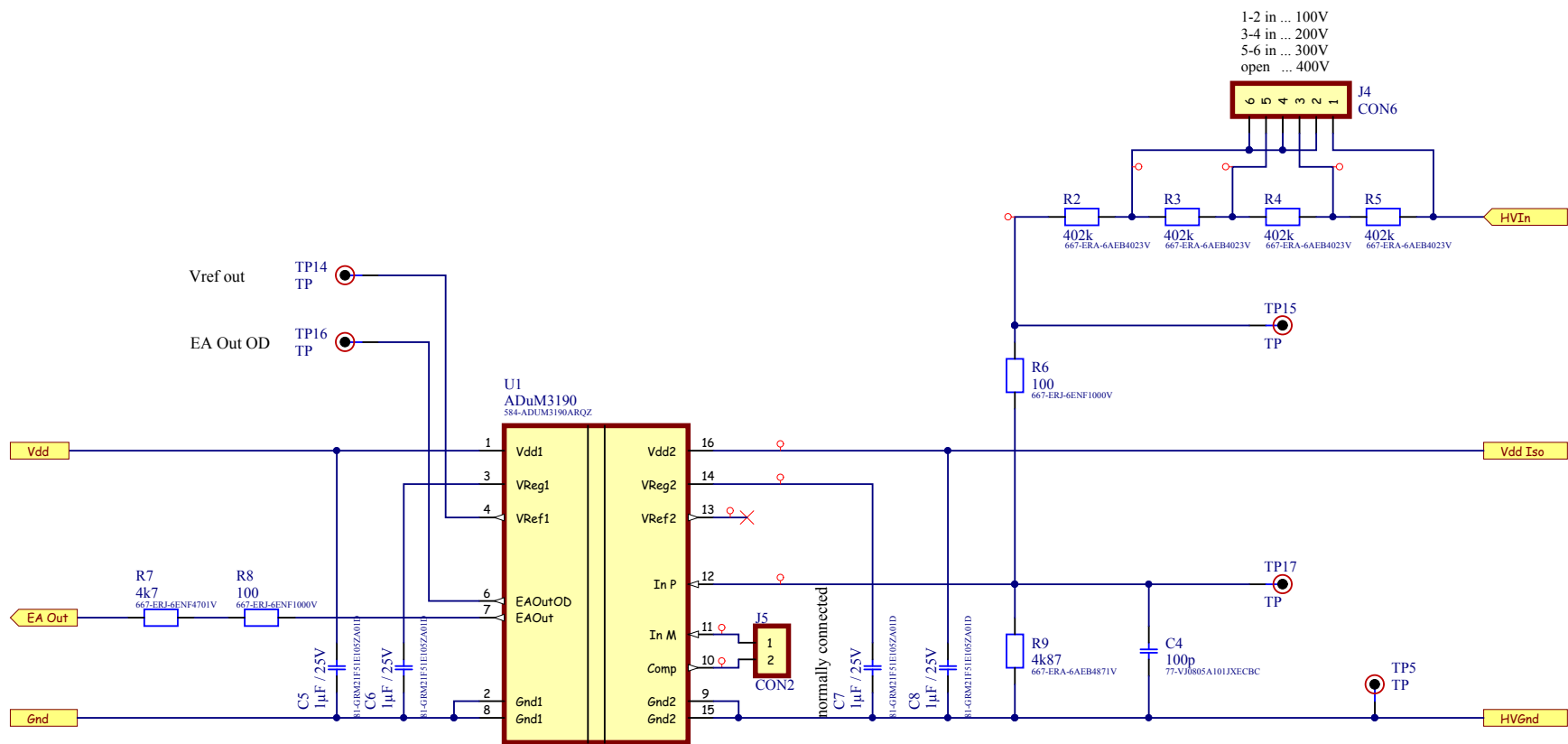
M9032.5

Date: 05.02.2014

Time: 22:55:06

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HV Side (isolated)

Title  
**Voltage Divider and Isolated Error Amplifier**

Sheet 3 of 4

Variant:  
**Standard**  
Revision:  
**V 1.0**

File: Error Amplifier.SchDoc

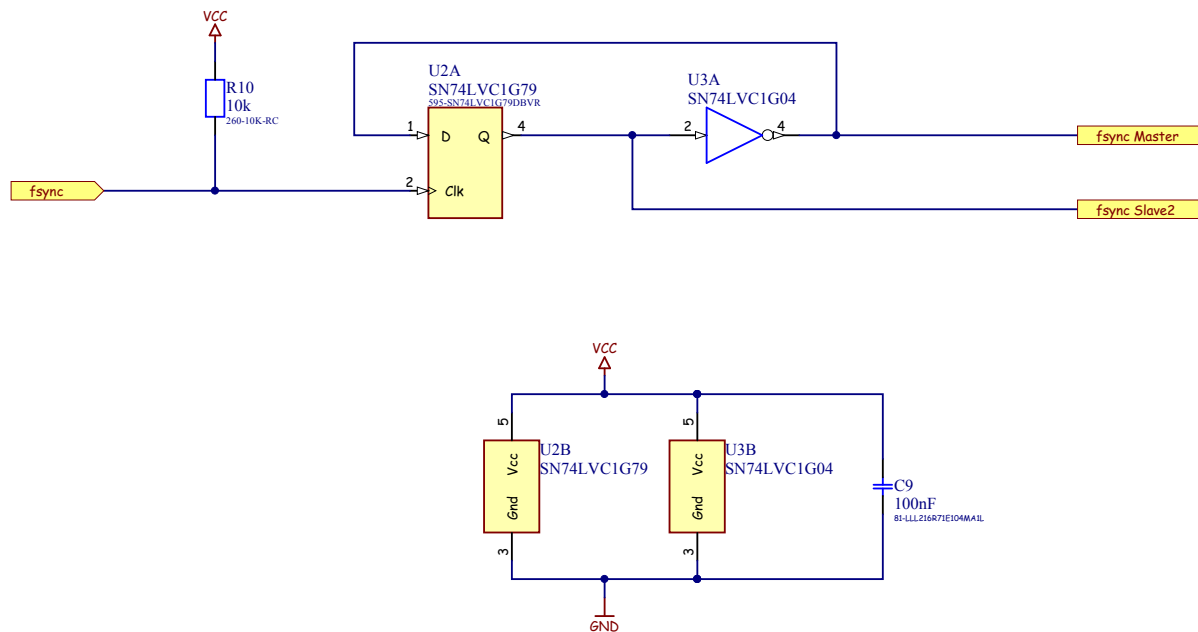
Created by:  
DI Gerhard Kreuzer  
Checked by:


Number:  
**M9032.5**

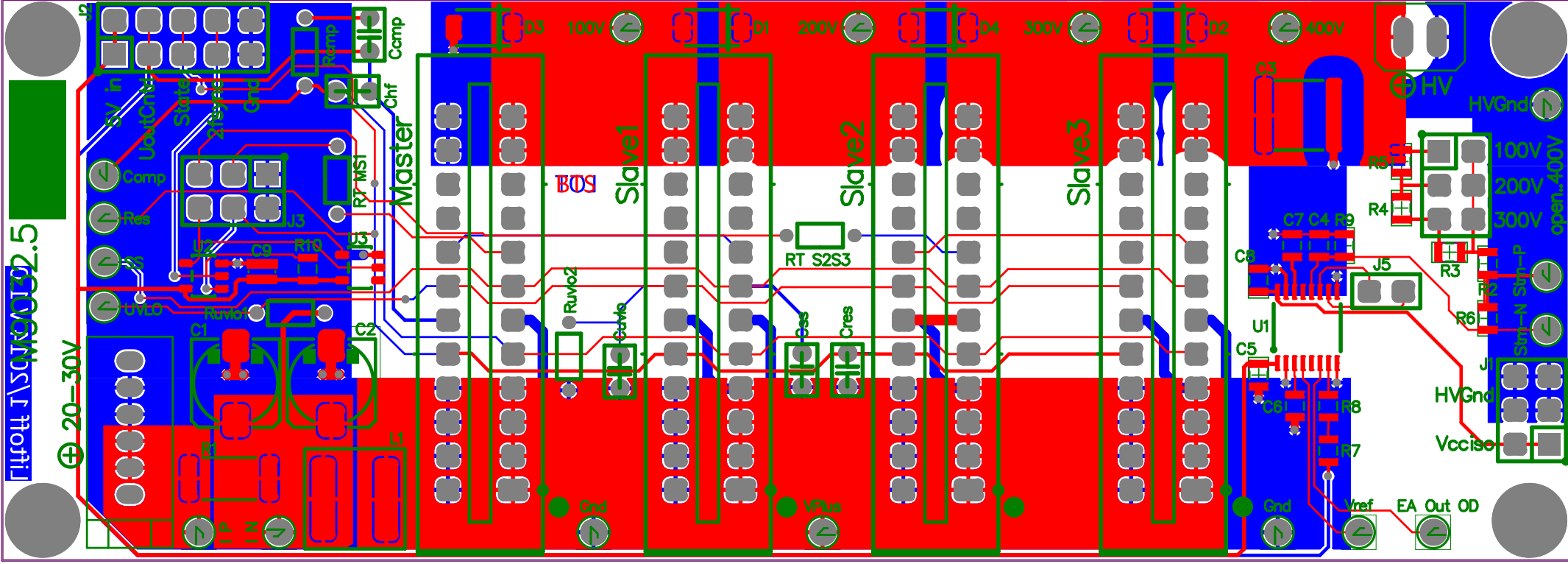
Date: 05.02.2014  
Time: 22:55:06

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Tel: +43 2273 80222



Title <b>Clock Divider / 4 - Phase Clock generation</b>		Variant: <b>Standard</b> Revision: <b>V 1.0</b>	Created by: DI Gerhard Kreuzer Checked by: ISHIDDEN=T	Number: <b>M9032.5</b> Date: 05.02.2014 Time: 22:55:06	 Dep.: GeoMonitor Karlsgasse 6 3001 Tulln an der Donau Austria Tel: +43 2273 80222 <a href="http://www.liftoff.at">www.liftoff.at</a>
Sheet 4 of 4		File: Clock Divider.SchDoc			



Bill of Materials

GeoMon Power Source Test Fixture

Source Data From:	Power Source Test fixture.PrjPCB
Project:	Power Source Test fixture.PrjPCB
Variant:	None

Creation Date:	05.02.2014	22:55:17
Print Date:	05-Feb-14	10:55:24 PM
Production Quantity:	1	
Currency	<none>	

Footprint	Comment	LibRef	Designator	Description	Quantity	#Column Name	#Column Name Error:Sup	#Column Name Error:S	#Column Name Error:S	#Column Name Error:S	#Column Name Error:M	#Column Name Error:Manufacturer	Part Num
EEHZA1HXXX Size D8 Panasonic	33µF / 50V	ELKO	C1, C2	Elko	2								
5750 metric (2220 mil)	100n / 1kV	CERCO	C3	Ceramic Capacitor	1								
SMD C 2012 (0805)	100p	CERCO	C4	Ceramic Capacitor	1								
SMD C 2012 (0805)	1µF / 25V	CERCO	C5, C6, C7, C8	Ceramic Capacitor	4								
CC1220-0508 (reversed)	100nF	CERCO	C9	Ceramic Capacitor	1								
CERCO3.9X2.3	1n8	CERCO	Ccmp	Ceramic Capacitor	1								
CERCO3.9X2.3	47p	CERCO	Chf	Ceramic Capacitor	1								
Mini-Clamp 4 p Type B	CON4	CON4	Conn 1		1								
PTSM 0,5/2-HV-2,5-THR R32 - 1778557	PTSM 0,5/2-HV-2,5-THR	CON2	Conn1		1								
CERCO3.9X2.3	4n7	CERCO	Cres, Ccs	Ceramic Capacitor	2								
CERCO3.9X2.3	100pF	CERCO	Cuvlo	Ceramic Capacitor	1								
SOD 128	SURS8360BT3	DIODE	D1, D2, D3, D4	Schottky Diode	4								
CONN6	CON6	CON6	J1, J3, J4		3								
CONN10	CON10	CON10	J2	Connector 10 Pin	1								
JUMP1X1	CON2	CON2	J5		1								
XAL50x0-153	XAL7030222ME	INDUCTOR	L1	Inductor on Iron	1								
TE 8-5530843-3	CON24	IRON1	Master, Slave1, Slave2, Slave3		4								
RESC2512(6432)_N	R001 1W	R	R1	Resistor 1W SMD 2512 / 6432	1								
SMD R 2012 (0805)	402k	R	R2, R3, R4, R5	Resistor 1/4 Watt	4								
SMD R 2012 (0805)	100	R	R6, R8	Resistor 1/4 Watt	2								
SMD R 2012 (0805)	4k7	R	R7	Resistor 1/4 Watt	1								
SMD R 2012 (0805)	4k87	R	R9	Resistor 1/4 Watt	1								
SMD R 2012 (0805)	10k	R	R10	Resistor 1/10Watt	1								
R1/4WLEGEND	82k	R	Rcmp	Resistor 1/4 Watt	1								
R1/4WLEGEND	56k	R	RT MS1, RT S2S3	Resistor 1/4 Watt	2								
R1/4WLEGEND	33k	R	Ruvlo1	Resistor 1/4 Watt	1								
R1/4WLEGEND	2k2	R	Ruvlo2	Resistor 1/4 Watt	1								
Screw3mm	Screw	Screw	Screw1, Screw2, Screw3, Screw4	Screw Hole	4								
TP 20-31314x	TP	TP	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP20	Testpoint	18								
QSOP16	ADuM3190	ADuM3190	U1	High Stability Isolated Error Amplifier	1								
DBV (R-PDSO-G5)	SN74LVC1G79	SN74LVC1G79	U2		1								
DBV (R-PDSO-G5)	SN74LVC1G04	SN74LVC1G04	U3	Little Logic Single Inverter	1								
					70								
										\$	-		

Approved	Notes