Exhibit 6:13-01950 Omega v. Calamp

PROJECT: LMU2000/3000_APP_GSM

DRAWING NO.: 133541-XXXX

TABLE OF CONTENTS

SHEET	DESCRIPTION
1	Title Page
2	POWER
3	MODEM I/F
4	Microcontroller

NOTES

1. Components marked with a line drawn and crossed box will not be installed during assembly.



2. Please refer to the Bill of Material (BOM) which provides all necessary component information for the final assembly.

3. The following parameters will apply to all components unless otherwise stated in the BOM or Schematic.

Resistor: +/- 5% or better, 1/16 Watt, 0603
Capacitor, non - polarized: Ceramic, +/- 20%, 0603
Capacitor, polarized: Tantalum, +/- 20%
Inductance: +/- 10%

4. Bypass capacitors shall be distributed evenly amongst power pins of the IC power and GND pin.

5. Always observe layout guidelines and documentation from the component manufacturers.

6. Version 1.00 will indicate an initial released version of the schematics in CAD design. Assign version numbers according to the importance of the changes.

Change in position	Significance
0.0X	Minor changes or corrections not affecting Form, Fit, or Function.
0.X0	Change(s) affecting BOM but not Form, Fit, or Function.
X.00	Change(s) affecting Form , Fit, or Function

7. Revision changes indicate new major releases of the design. Version number will be reset to 0.00 with every new release.

REFERENCE DESIGNATORS

REF.	Last used	Not used	REF.	Last used	Not used
ANT	n/a	n/a	L	n/a	n/a
BR	n/a	n/a	LED	n/a	n/a
BT	n/a	n/a	M	n/a	n/a
C	n/a	n/a	MH	n/a	n/a
CR	n/a	n/a	P	n/a	n/a
CON	n/a	n/a	PS	n/a	n/a
D	n/a	n/a	Q	n/a	n/a
DSP	n/a	n/a	R	n/a	n/a
F	n/a	n/a	RN	n/a	n/a
FB	n/a	n/a	S	n/a	n/a
FL	n/a	n/a	T	n/a	n/a
J	n/a	n/a	TP	n/a	n/a
JP	n/a	n/a	U	n/a	n/a
K	n/a	n/a	VR	n/a	n/a
			Y	n/a	n/a

ECO#	REV	DATE	DESCRIPTION	NAME
63140	A	1/5/11	Initial preliminary design based off of LMU-2610 Removed I/O Added headers for board stack up	J Hardee
63165	B	1/19/11	Added Int_In and PAY to PCI (mapped as Int) Added control of GPS VBCKP (PB3) Added TP to mount GPS board Moved DBD LED to PC2 Added Batt BCKP pwr option to J1-3	J Hardee
63214	C	2/28/11	Changed PCB to 6 layers to improve manufacturability	J Hardee
63292	D	4/18/11	Updated Rev to keep same as 133546-2000 and 133546-3000	J Hardee
63393	D2	7/25/11	Removed R36 and R35 to use UART for GPS Changed J3 to 3 pin 1JF155-WW2240	J Hardee
63591	E	8/1/11	Removed FF filter, C5 Switched GPS to UART Added mounting holes Changed to smaller crystal, larger diode	J Hardee
63666	E1	11/09/11	Bumped Rev to match 133546-2000 and 133546-3000 which changed to two piece EMI shields	J Hardee
63801	E2	2/22/12	Update MIMS to AIRICM	J Hardee
64116	F	6/14/12	Added ADC for BATT_MON Added Switcher Disable 11As PA1 Changed loading cap at crystal	J Hardee

A1
PCB
133542

Associated CalAmp Part Numbers:

CalAmp PN	Description
133541-2000	SCHEMATIC, LMU2000, APP_GSM
133541-3000	SCHEMATIC, LMU3000, APP_GSM
133542	PWB, LMU2000/3000, APP_GSM
133543-2000	PWA, LMU2000, APP_GSM
133543-3000	PWA, LMU3000, APP_GSM

Schematic Statistics:

Parts:	00
Library Parts:	00
Nets:	00
Pins:	00

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TITLE PAGE

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Redefining Technology Boundaries

LMU2000/3000_APP_GSM

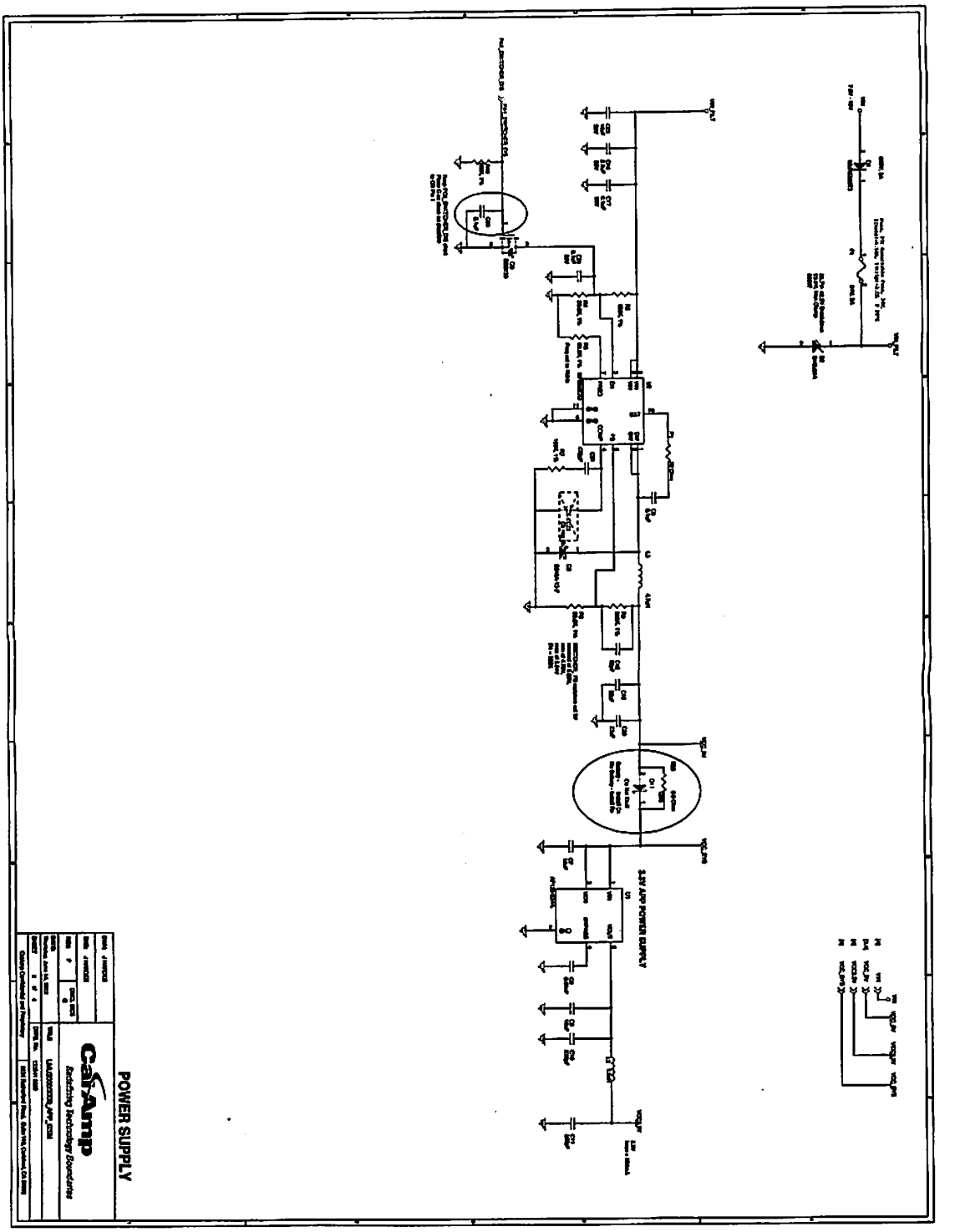
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CALAMP0000711

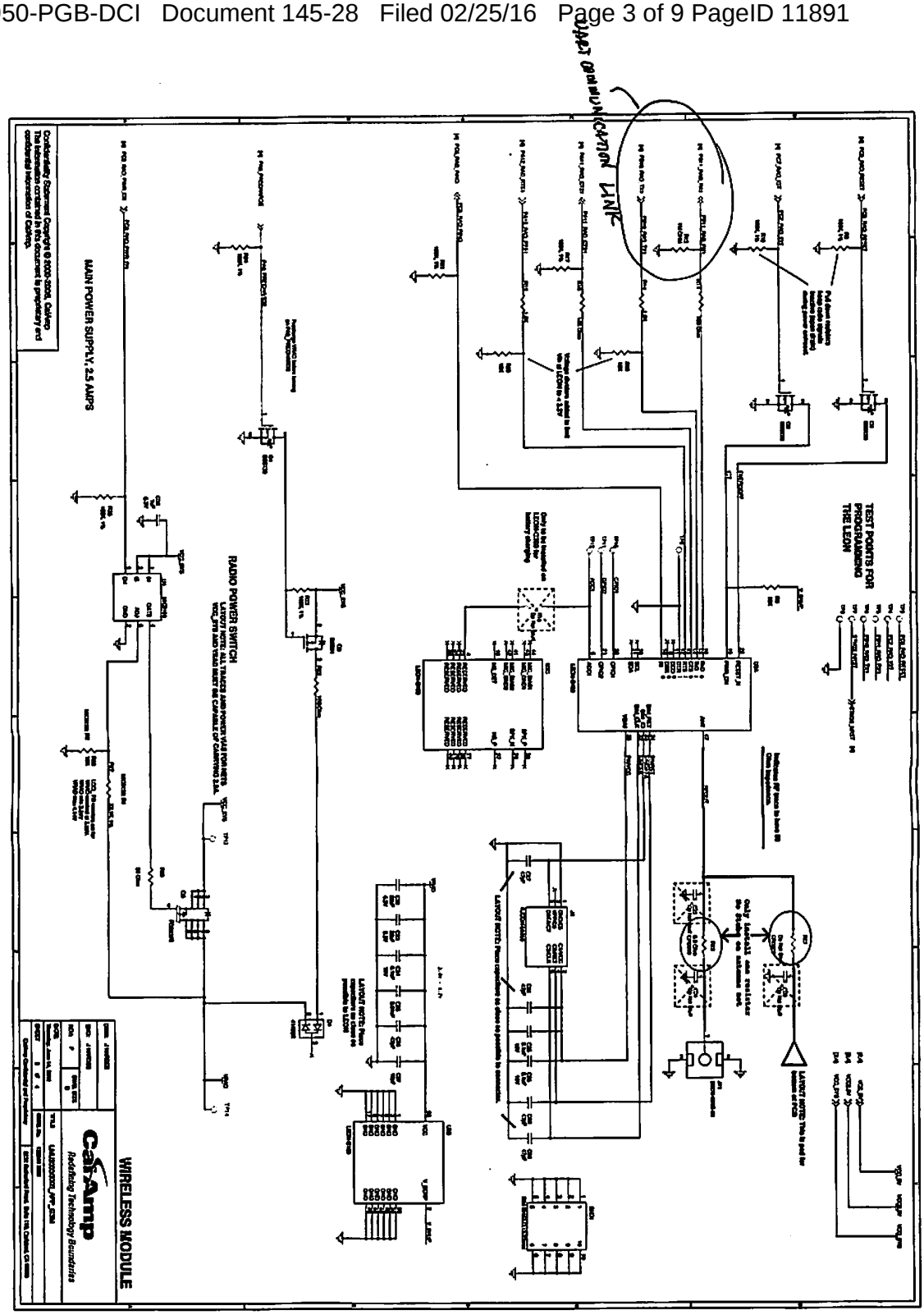
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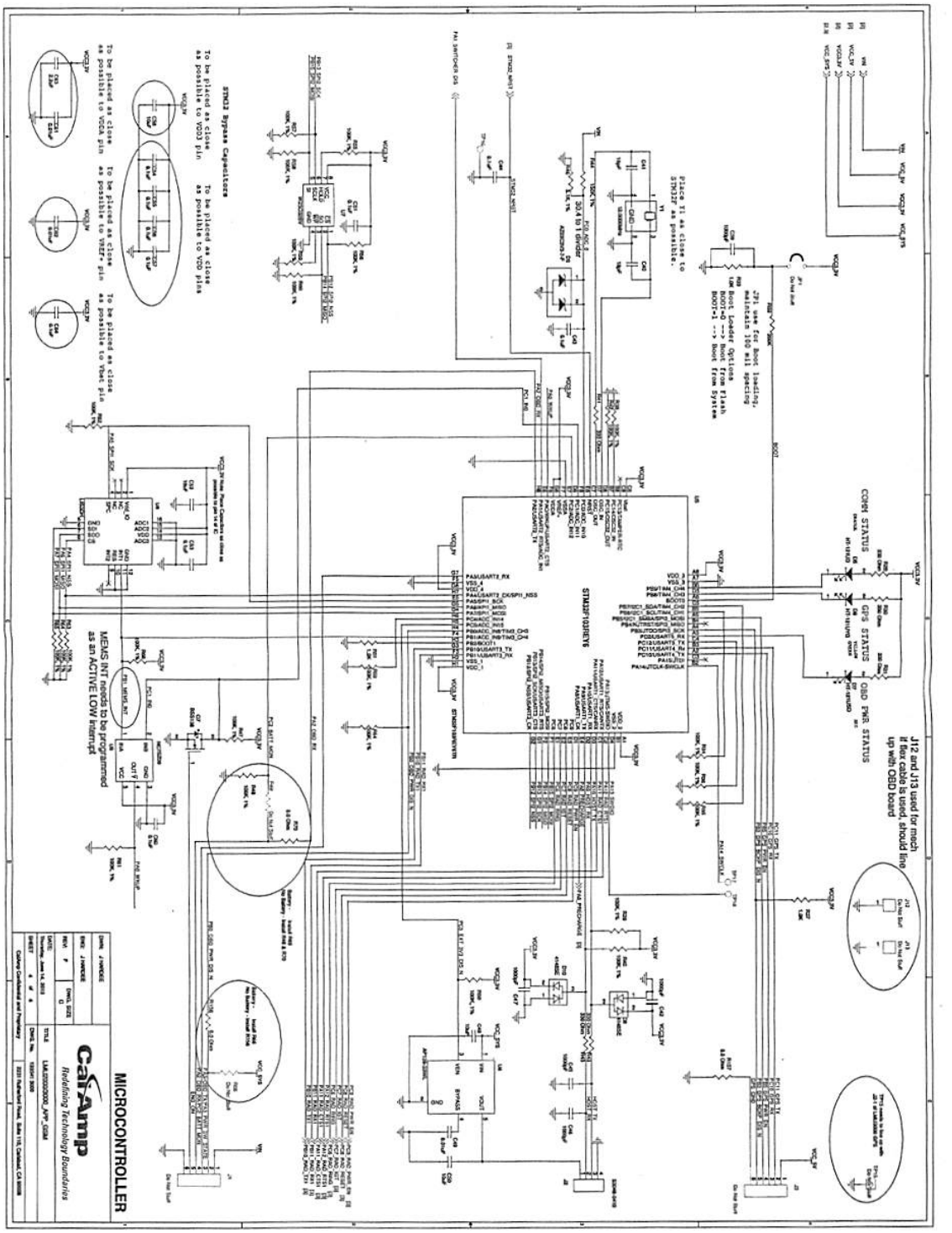
CALAMP000712

ATTORNEYS' EYES ONLY



CALAMP000713

ATTORNEYS' EYES ONLY



CALAMP0000714

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TABLE OF CONTENTS

SHEET	DESCRIPTION
1	Title Page
2	POWER
3	ETHERNET, PROCESSOR, JTAG
4	I/O INTERFACE
5	MODEM RF
6	LM3000 GPS

NOTES

1. Components marked with a check symbol are checked and corrected per red-line marked during assembly.
2. Please refer to the BM of Material (BOM) which provides all necessary components numbers for test purposes.
3. The following components will apply to all components unless otherwise noted in the BOM or Schematic.
   Resistor: +/- 5% or better, 1/10 W/W, 0603
   Capacitor, non - polarized: Ceramic, +/- 10%, 0603
   Capacitor, polarized: Tantalum, +/- 10%
   Inductance: +/- 10%
4. Bypass capacitors shall be distributed evenly amongst power pins of the IC per manufacturer's recommendations.
5. Always observe layout guidelines and recommendations from the component manufacturer.
6. Verify all net lengths are listed and matched per the schematic for CAN bus, Analog, Vehicle Interface according to the specifications in this drawing.
7. Prototype changes indicate new major releases of the design. Version number will be reset to 0.00 with every new release.

Change to position

Suffix	Significance
0.01	Minor changes or corrections not affecting Form, Fit, or Function
0.10	Change(s) affecting BOM but not Form, Fit, or Function
1.00	Change(s) affecting Form, Fit, or Function

REFERENCE DESIGNATORS

REF.	Last used	Not used
ANT	00	
BT	00	
BZ	00	
C	00	
CN	00	
CON	00	
D	00	
DSP	00	
F	00	
FB	00	
FL	00	
J	00	
JP	00	
K	00	

REF.	Last used	Not used
L	00	
LED	00	
M	00	
MH	00	
P	00	
PS	00	
Q	00	
R	00	
RN	00	
S	00	
T	00	
TP	00	
U	00	
VR	00	
Y	00	

Schematic Statistics:

Parts:	00
Library Parts:	00
Nets:	00
Pins:	00

Associated CalAmp Part Numbers:

CalAmp PN	Description
135547-3000	SCHEMATIC LM3000, GPS
135547-3000	SCHEMATIC LM3000, GPS
135548	PWA, LM3000/3001, GPS
135549-2000	PWA, LM3000, GPS
135549-3000	PWA, LM3000, GPS

ECO#	REV	DATE	DESCRIPTION	NAME
63149	A	1/10/11	Initial release. Added 'Revision' section to sheet 1 of 6. Added APP for previously released, needed for board stack up.	J Bardos
63155	B	2/16/11	No changes (rev to be consistent with other LM3000 boards)	J Bardos
63214	C	2/28/11	Moved components away from edge of shield	J Bardos
63252	D	4/18/11	Change PCB stack up to 6.6.12. Moved R178, C87	J Bardos
63163	D1	7/29/11	Updated to keep same depth as other LM3000 layers	J Bardos
63251	E	8/1/11	Added resistor pop option if flex cable is used Changed J2 to R/C for each support	J Bardos
63266	E1	11/9/11	Added 2 pieces PCB shield that consists of Tx/Rx and GPS to GND	J Bardos
63712	E2	12/2/11	Bypass C5 due to manufacturing problem	J Bardos
64499	F	2/1/13	Add capacitance at header J4 Remove C5 and other parts	J Bardos

TITLE

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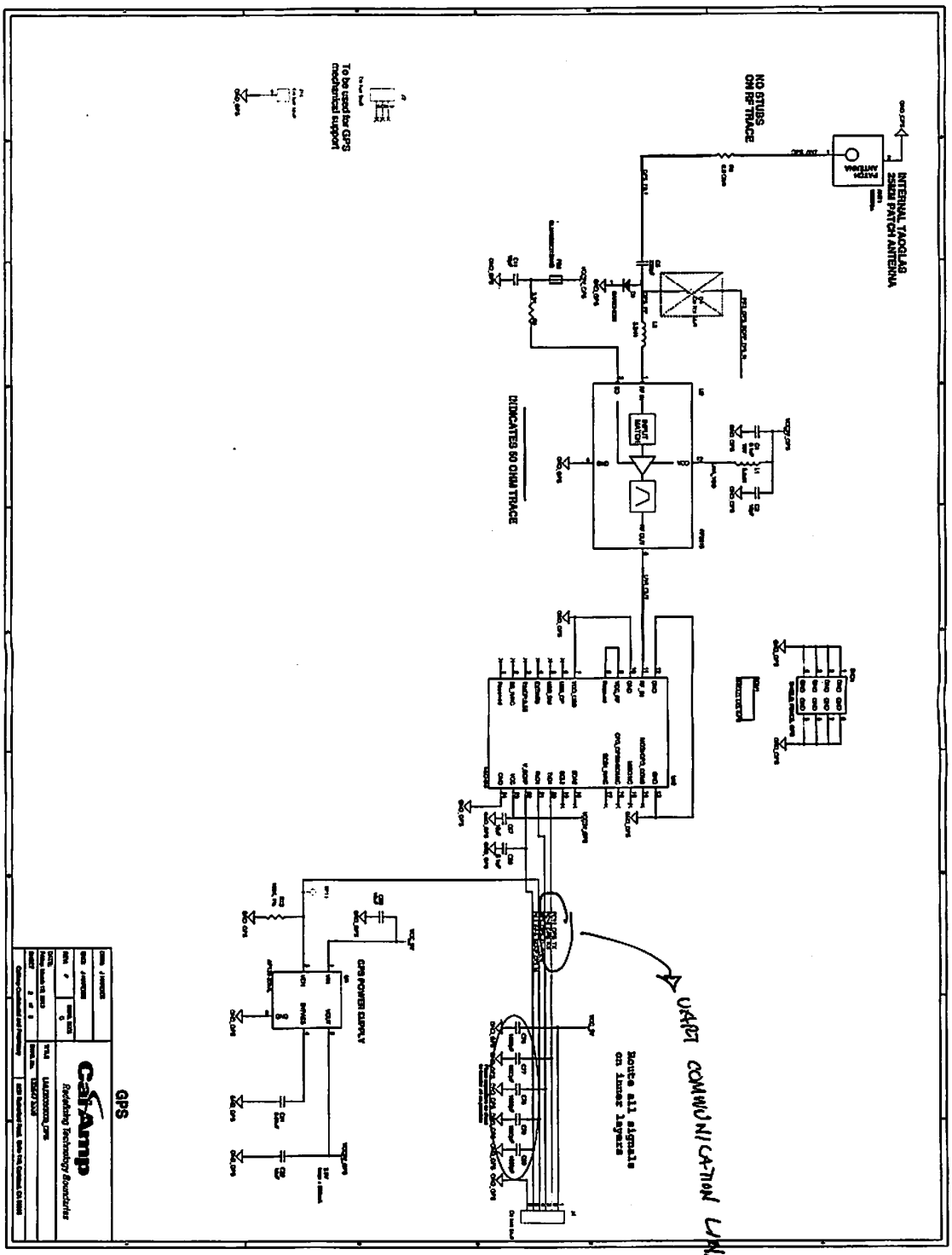
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CHK: J Hughes	
APP:	
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SHEET: 1 of 6	
SCALE: None	
SIZE: B	DWG NO: 135547-3000

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CALAMP000716

TABLE OF CONTENTS

SHEET	DESCRIPTION
1	Title Page
2	POWER
3	STM32F10n PROCESSOR, JTAG
4	I/O INTERFACE
5	MODEM RF
6	LEILOX GPS

NOTES

1. Components marked with a blue dashed and crossed box will not be installed during assembly.



2. Please refer to the Bill of Material (BOM) which provides all necessary component information for the final assembly.

3. The following parameters will apply to all components unless otherwise stated in the BOM or Schematic.

Resistor: +/- 5% or better, 1/10 Watt, 0603
Capacitor, non - polarized: Ceramic, +/- 20%, 0603
Capacitor, polarized: Tantalum, +/- 20%
Inductance: +/- 10%

4. Bypass capacitors shall be distributed evenly amongst power pins of the IC power and GND pin.

5. Always observe layout guidelines and documentation from the component manufacturers.

6. Version 1.00 will indicate an initial released version of the schematics in CAD design. Assign version numbers according to the importance of the change.

Change in position	Significance
0.0X	Minor changes or corrections not affecting Form, Fit, or Function.
0.X0	Change(s) affecting BOM but not Form, Fit, or Function.
X.00	Change(s) affecting Form , Fit, or Function

7. Revision changes indicate new major releases of the design. Version number will be reset to 0.00 with every new release.

ECO	REV	DATE	DESCRIPTION	NAME
NA	A	1/18/11	Initial preliminary design based off of LDVDSV2	J Hardee
63145	B	2/21/11	Changed J1650 VPW to discrete implementation Changed 120 XCVR's, Removed VPW_LS (U14-P11) Add pull-up on nMCLR, Changed pin assignment of AIN7 and nCS_FLASH, Changed JTAG rail to 3V3.3V Changed PCB to 6 Layers to give 4mil/4mil trace spacing	J Hardee
63214	C	2/28/11	Updated PCB to improve manufacturability Shifter OSD Pin pads by 0.79mm	J Hardee
XXXXX	C1	3/31/11	Added R50 100k pull down to reduce sleep current	J Hardee
63292	D	4/18/11	Added pads for shield Removed VBIAS regulator, changed to filtered VIN switched	J Hardee
63493	D2	7/25/11	Changed J3 to 3 pin 1JF153-TM03240	J Hardee
63591	E	8/1/11	Isolated GPS signals, changed J2 to H/C for mech Added additional mounting holes Added pull down resistor on EXT_ON	J Hardee
63666	E1	11/9/11	Changed shielding to two piece design	J Hardee
63866	E2	2/20/12	Remove R19 to minimize loading effect on some vehicles Change R40 to 2CR 1% for more accurate ignition sense	J Hardee
63982	VE3	4/20/12	Changed J3 connector to 1JF155-NT106240 Remove J1 & J2	J Hardee
64499	F	3/1/13	Added capacitors at J1,J2 & J4 Added diode isolation VBO & J1650 lines	J Hardee

REFERENCE DESIGNATORS

REF.	Last used	Not used	REF.	Last used	Not used
ANT	n/a	n/a	L	n/a	n/a
BR	n/a	n/a	LED	n/a	n/a
BT	n/a	n/a	M	n/a	n/a
BZ	n/a	n/a	MH	n/a	n/a
C	n/a	n/a	P	n/a	n/a
CN	n/a	n/a	PS	n/a	n/a
CON	n/a	n/a	Q	n/a	n/a
D	n/a	n/a	R	n/a	n/a
DISP	n/a	n/a	RN	n/a	n/a
F	n/a	n/a	S	n/a	n/a
FB	n/a	n/a	T	n/a	n/a
FL	n/a	n/a	TP	n/a	n/a
J	n/a	n/a	U	n/a	n/a
JP	n/a	n/a	VR	n/a	n/a
K	n/a	n/a	Y	n/a	n/a

Schematic Statistics:

Parts:	00
Library Parts:	00
Nets:	00
Pins:	00

Associated CalAmp Part Numbers:

CalAmp PN	Description
133544-3000	SCHEMATIC, LMU3000, OSD
133544-VPOD	SCHEMATIC, VPOD, OSD
133545-3000	PWB, LMU3000, OSD
133546-3000	PWA, LMU3000, OSD
133546-VPOD	PWA, VPOD, OSD

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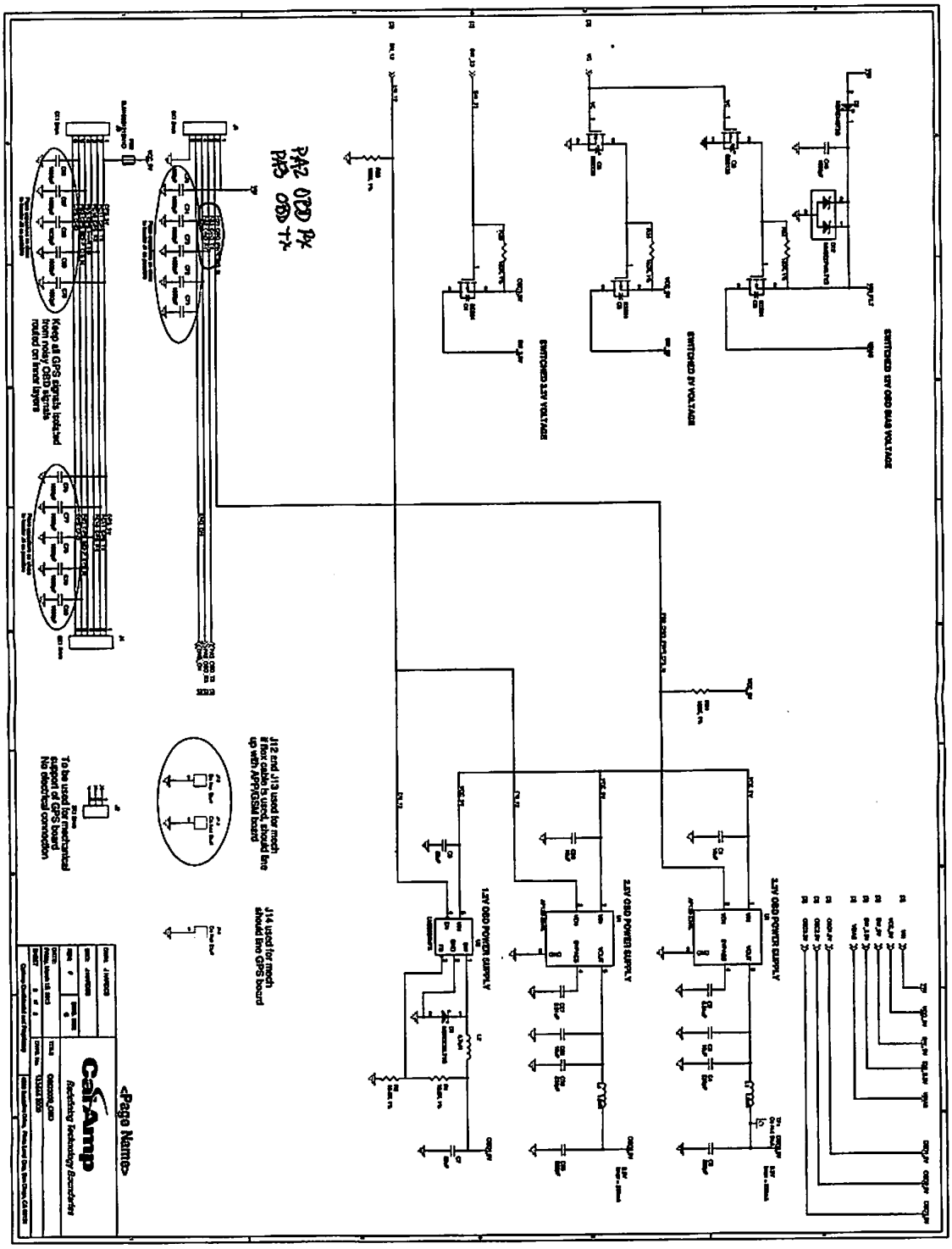
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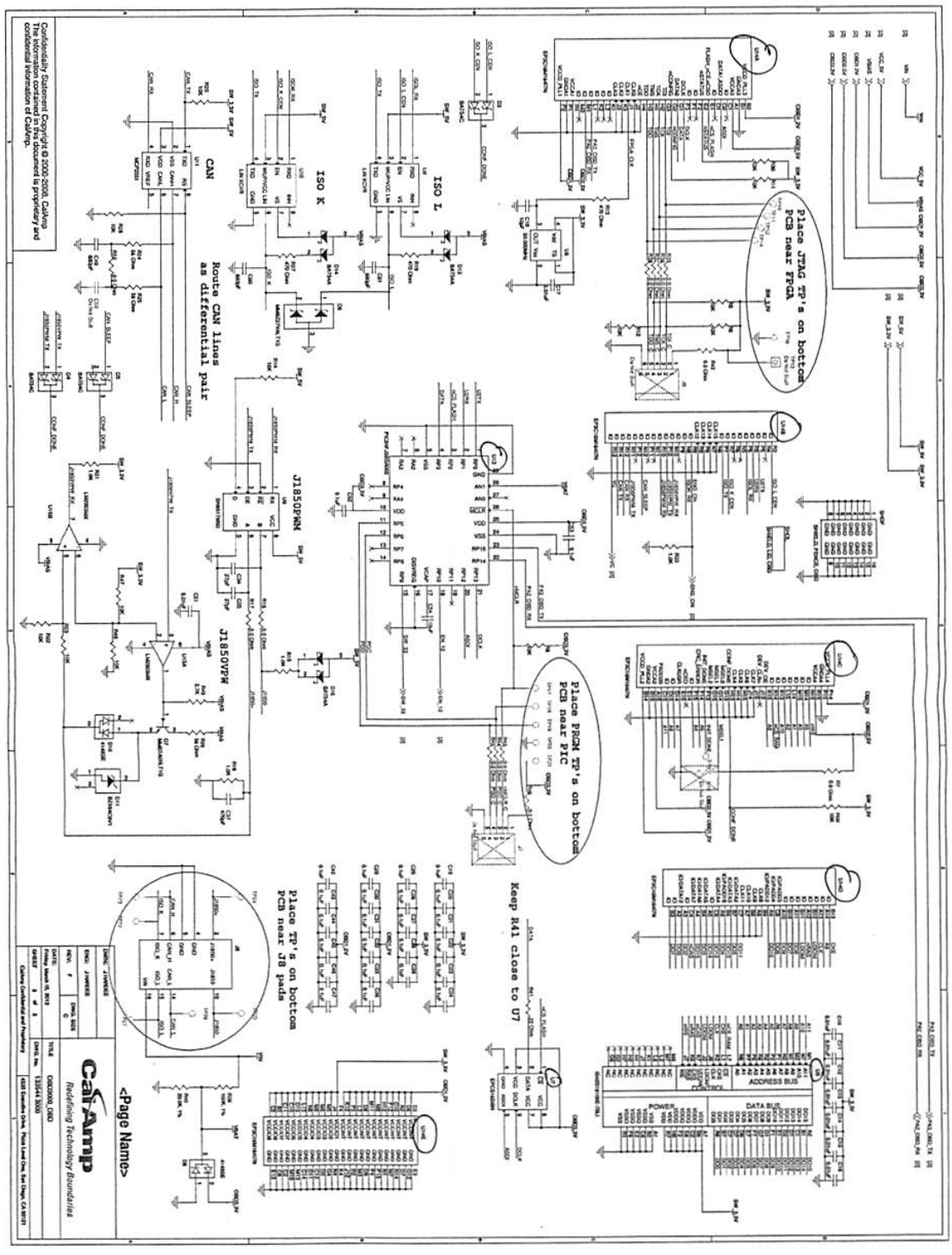
CALAMP0000729

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U14 A-E MICRO PROCESSOR FOR OBD LAYER

U5, U7 MEMORY

CALAMP0000731