

Cover Page

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REVISION INDEX

REV	DATE	PAGES	BY	DESCRIPTION OF CHANGES
0.1	2012-07-04	All	KD	First Draft.
0.2	2012-08-14	All	KD	Second Draft.
0.3	2012-08-14	All	KD	Third Draft.
0.4	2012-08-24	All	KD	Fourth Draft.
1.0	2012-09-17	All	KD	First Release
2.0	2012-10-16	All	KD	Major board revision - MODBUS moved to main, I/O moved to daughter board
2.1	2012-10-26	All	KD	Change to 0401 chips and smaller packages, AC power supply spec lowered.
2.2	2012-11-13	All	KD	Changes made to facilitate routing of pcb.
2.3	2012-11-21	All	KD	Component updates for availability for prototype build
2.4	2013-01-09	All	KD	Updates from build and ATP testing.
C	2013-05-14	All	LA	Updates from build and ATP testing. Maxim meter solution.
D	2013-08-23	All	LA	Mechanical and EMI fixes
E	2013-12-17	All	LA	Cleanup for production
F	2014-02-20	All	LA	TBD

Mounting Holes



Note: All resistors are +/-1% tolerance unless otherwise noted

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Title STARLINE VIRGO METER			
Size Tabloid	Number R22276-116	Revision F	
Date: 2/28/2014	Sheet 1 of 9		
File: \\.\S01_Cover_RevF.SchDoc	Drawn By: LA		

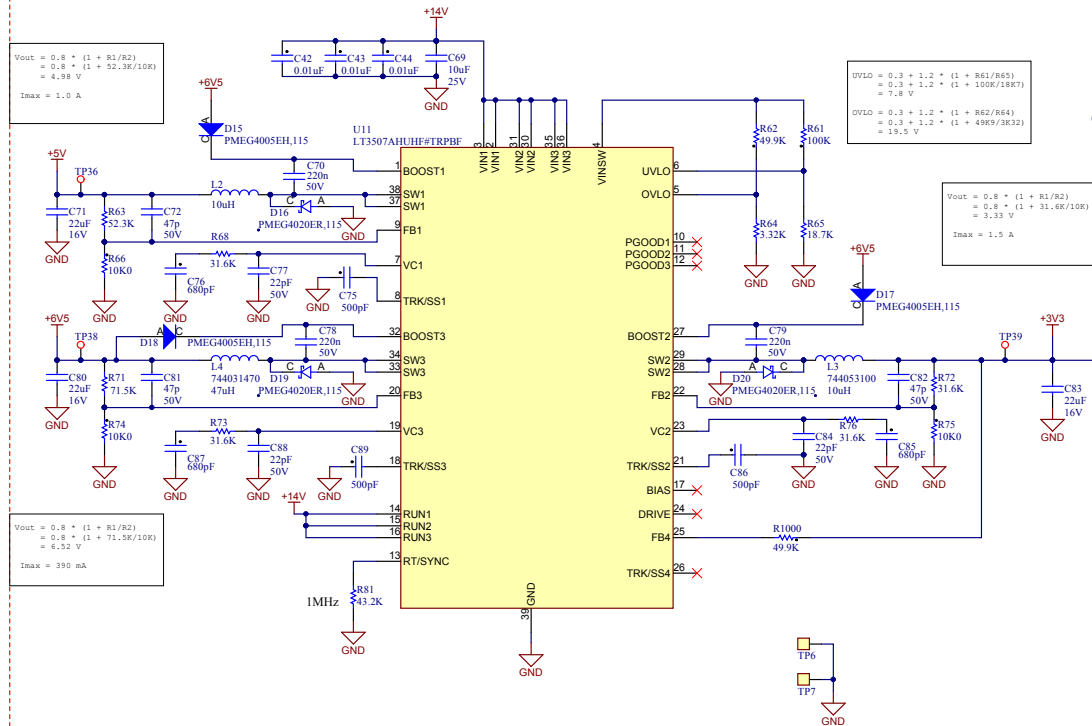
1	2	3	4	5	6	
<div>Future Home of the Block Diagram</div>						
A						A
B						B
C						C
D						D
1	2	3	4	5	6	

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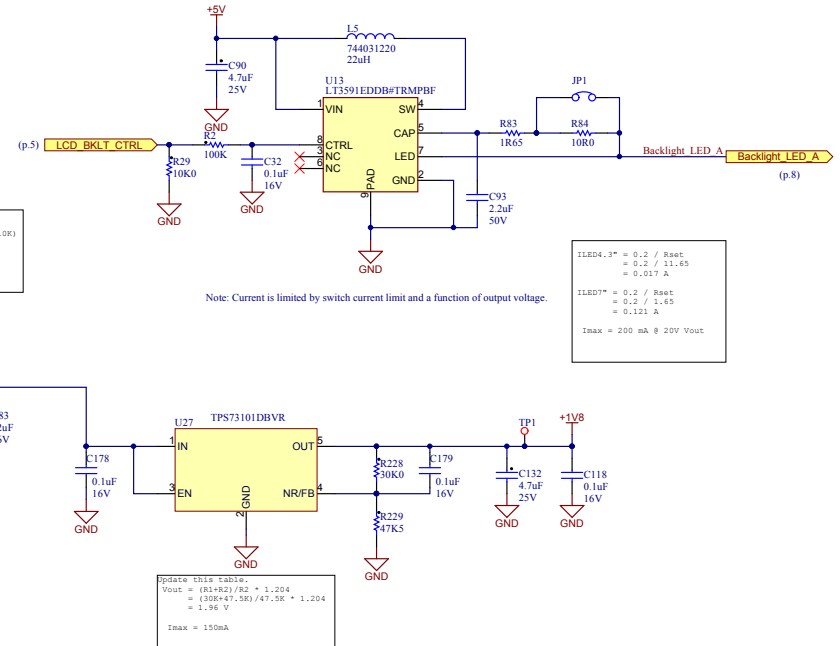
Title			STARLINE VIRGO METER		
Size	Number		Revision		
Tabloid	R22276-116		F		
Date:	2/28/2014		Sheet 2 of 9		
File:	\\.\S02_Block Diagram RevF.SchDoc		Drawn By: LA		



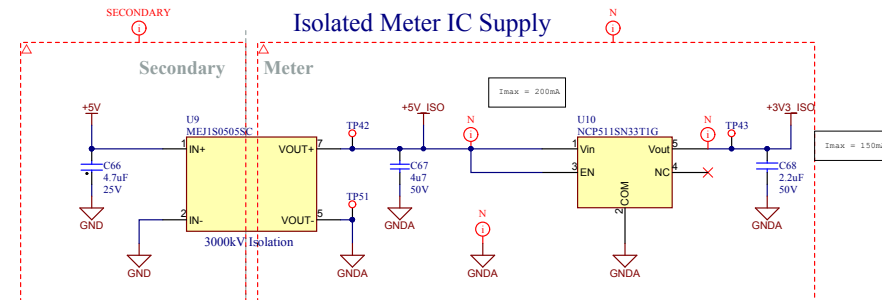
## Main Supply Regulator



## LED Backlight Driver



## Isolated Meter IC Supply

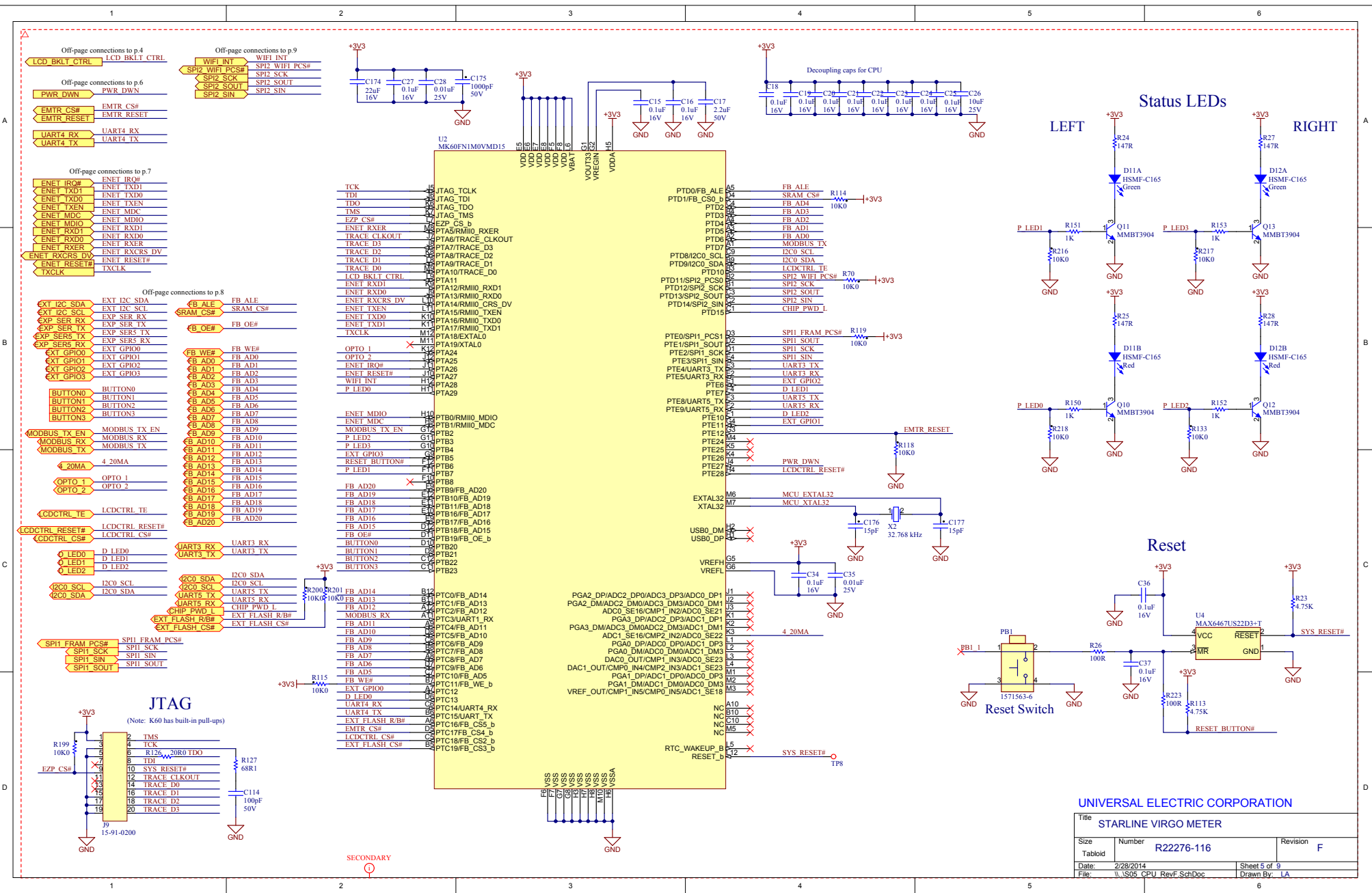


(Note: PCB needs to have slot between primary-secondary pins in order to meet creepage requirements)

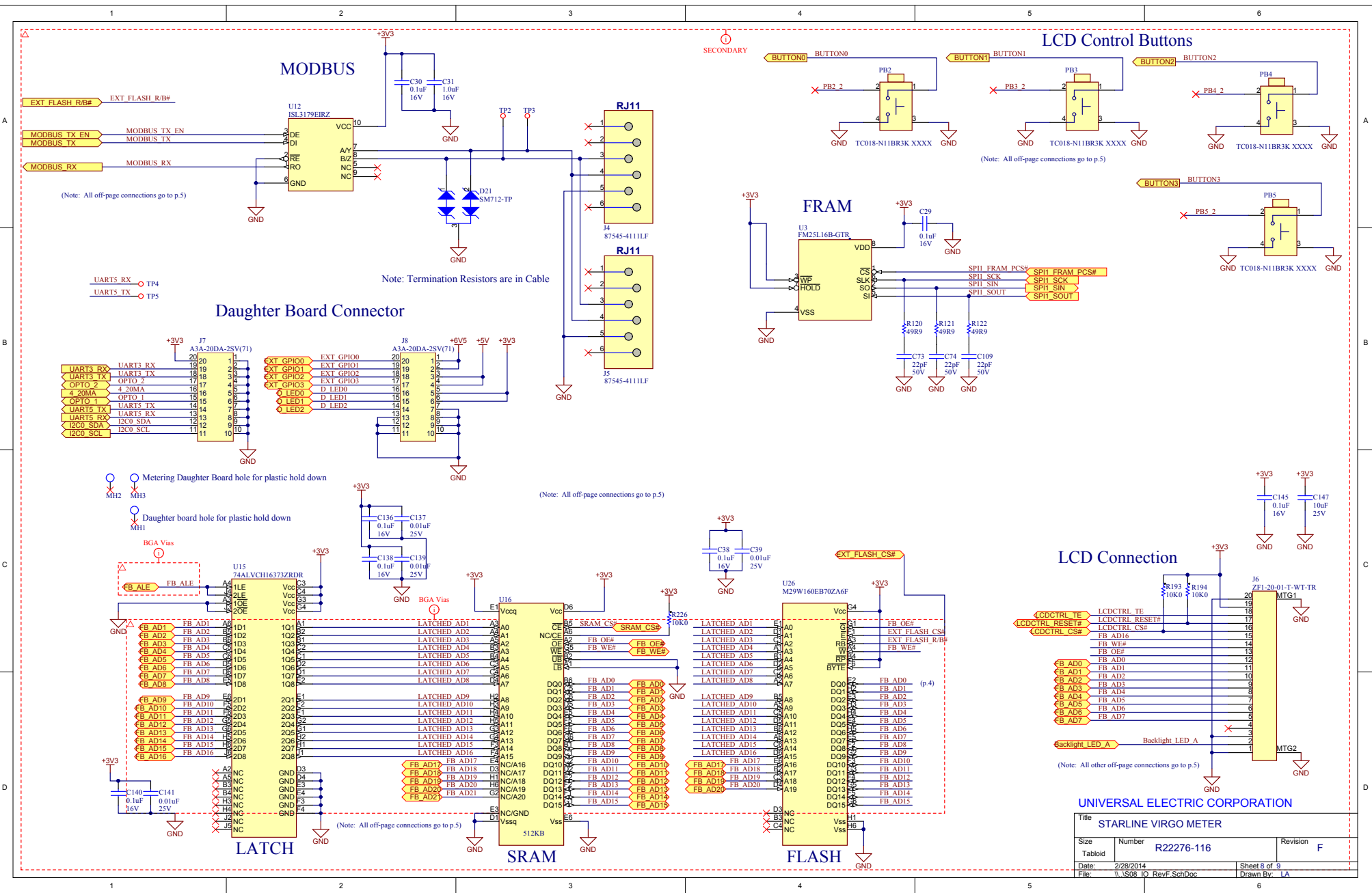
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STARLINE VIRGO METER

Size	Number	Revision
Tabloid	R22276-116	F
Date:	2/28/2014	Sheet 4 of 9
File:	\\S04_Power_VREG_RevF.SchDoc	Drawn By: LA





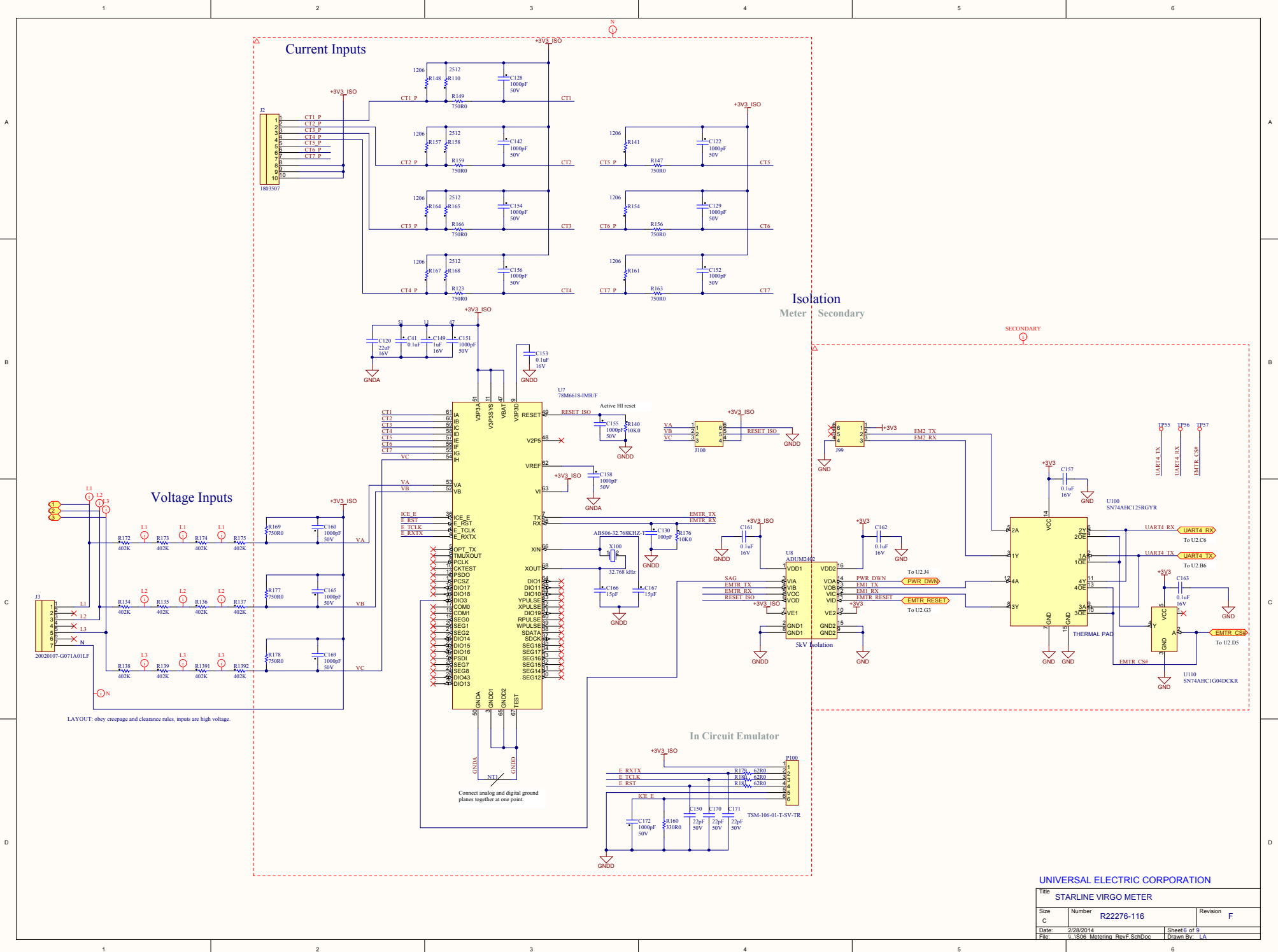


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Title			
STARLINE VIRGO METER			
Size	Number	Revision	
Tabloid	R22276-116	F	
Date:	2/28/2014	Sheet 8 of 9	
File:	\\S08_IP_RevF.SchDoc	Drawn By: LA	







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Title	STARLINE VIRGO METER		
Size	Number	Revision	
C	R22276-116	F	
Date:	2/28/2014	Sheet 6 of 9	
File:	U1506 Metering RevF SchDoc	Drawn By:	LA