



1. Unused C19+, D47+, J8+, Q7-10, Q21+, R64+, U19+
2. Resistors 5% 1/4W unless otherwise noted.
3. Capacitors with VDC ratings are electrolytic.
4. U14: use LMC6862 for improved accuracy.
5. R49, R50 are socketed. Install for EVIBUS pullups.

TMSI c/o Lee A. Hart  
 814 8th Ave N  
 Sartell, MN 56377  
 (320) 656-9574  
 leeahart@earthlink.net

Title  
 BATTERY BALANCER - CONTROL BOARD

Size	Document Number	REV
B	CONTROL.SCH (C) 2008 by TMSI	C

Date: February 24, 2009 Sheet 1 of 1

VOLTAGE V-F CONVERTER:  
 +16V TO -16V = 2.5 TO 10 KHZ

CURRENT V-F CONVERTER:  
 -30A TO +30A = 2.5 TO 10 KHZ  
 (-0.15V TO +0.15V ON 0.005 OHM SHUNT)