

REF-R - Support #1024

Module tracklog

03/28/2014 10:27 AM - tin

Status:	In Progress	Start date:	03/27/2014
Priority:	Normal	Due date:	
Assignee:	tin	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description					
	#1	#2	#3	#4	#5
PCB	A01	A01	A01	A01	A01
U5	LTC2057	LTC2057	LT1012	LTC2057	LTC
U6	LTC2057	LTC2057	LT1012	LTC2057	LTC
U1	LTZ1000A	LTZ1000A	LTZ1000A	LTZ1000	LTZ1000
Scaps	Film	Film	Film	Film	Film
Tcaps	KEMET T	KEMET T	KEMET T	KEMET T	KEMET T
R3	115.28036 2xRs RN55				
R4	1.000557k RLR20C FR				
R5	12.00745k RN55E				
R6	68.093672k RN55C				
R7	68.092936k RN55C				
Shield	LTZ grounded 2L box				
Vin	15.002				
V5aux	None				
Ttop					
Tbot					
T_u3					
Vout	7.145415				
Iin	38.7135 mADC				
V_Q1_4					
TambPt					

Test setup:
 Vin source - Keithley 2400
 Rmeas unit - Keithley 2001 #7 and Keithley 2002 (max resolution, 10 NLPC, no REL, 4W mode, 100 stored values avg)
 Tmon unit - Agilent 34970A
 V5aux source - Agilent E3649A 5.00VDC

Associated revisions
Revision 11:3dbc7564782f - 08/21/2014 03:43 AM - tin
 Added first working modules photos ID #1024

History
#1 - 03/28/2014 10:28 AM - tin
 Time tracklog

3/28/2014 10:25am	38.7132 mA	7.145408 V		
3/31/2014 12:47pm	39.1141 mA	7.143672 V	60.7°C @ 111	64.985°C @ 902
3/31/2014 14:41	39.1134 mA	7.143676 V	60.7°C @ 111	65.001°C @ 902
3/31/2014 14:41	39.1134 mA	7.143676 V	60.7°C @ 111	65.001°C @ 902
3/31/2014 19:33	39.1300 mA	7.1435270 V	60.0°C @ 111	64.230°C @ 902
4/1/2014 9:49	39.1370 mA	7.1436984 V	60.2°C @ 111	64.400°C @ 902
4/1/2014 18:33	39.1691 mA	7.1434024 V	59.4°C @ 111	63.636°C @ 902
4/2/2014 9:19	39.6726 mA	7.1425616 V	56.9°C @ 111	61.055°C @ 902
4/2/2014 14:40	39.3223 mA	7.1424062 V	56.3°C @ 111	60.391°C @ 902
4/2/2014 18:05	39.3085 mA	7.1424621 V	56.4°C @ 111	
4/3/2014 16:12	39.2969 mA	7.1425422 V	56.8°C @ 111	60.999°C @ 902
4/3/2014 18:20	39.3040 mA	7.1425059 V	56.6°C @ 111	
4/4/2014 12:49	39.2643 mA	7.1427206 V	57.6°C @ 111	

#2 - 03/28/2014 07:44 PM - tin
 - File ltz_setup.png added

#3 - 03/28/2014 10:13 PM - tin
 - File startup.png added

Added startup log for first unit

#4 - 03/28/2014 11:40 PM - tin
 - File vref_ms2.jpg added

#5 - 03/31/2014 02:43 PM - tin
 - File weekendlog.png added

#6 - 04/01/2014 07:10 PM - tin
 - File Data INSTR 5 3_31_2014 18_48_14.csv added

#7 - 08/20/2014 05:30 PM - tin
 - File unit3_log.png added

#8 - 09/09/2014 07:27 AM - tin
 - File ltz1000a_edc.png added

#9 - 09/09/2014 11:28 PM - tin
 - File ltztest_log.png added

#10 - 09/09/2014 11:48 PM - tin
 - File ltztest_log.png added

#11 - 09/10/2014 09:01 PM - tin
 - File ltztest2_log.png added

#12 - 09/25/2014 08:07 AM - tin
 - File ikea_night1.png added

#13 - 11/12/2014 10:37 PM - tin
 Common burnin box M

BNC input power, +15VDC inner contact, GND outer shield	NC
BNC Zener output +, LTZ1000ACH unit, LT1097, 12K+1K resistors	BNC Zener output -
BNC Zener output +, LTZ1000CH unit, LTC2057, 12K+1K resistors	BNC Zener output -
NC	NC

#14 - 01/21/2015 02:06 AM - tin

- File kxdata_1.xlsx added

- File kxdata_1.png added

Channel 2 - Rev B01 PCB, LTZ1000CH, LTC2057, 12K/1K heater - 7.1304749 VDC reference
Channel 3 - Rev A01 PCB, LTZ1000ACH, LTC2057, 13K/1K heater - 7.1367946 VDC reference
Channel 4 - Rev B01 PCB, LTZ1000ACH, LTC2057, 13K/1K heater - 7.1585775 VDC reference
Channel 5 - Rev A01 PCB, LTZ1000ACH, LT1097, 13K/1K heater - 7.1366038 VDC reference
Channel 6 - Rev A01 PCB, LTZ1000CH, LTC2057, 12K/1K heater - 7.1296732 VDC reference

#15 - 01/21/2015 02:09 AM - tin

- File kxdata_1.xlsx added

#16 - 01/22/2015 12:28 AM - tin

- File kxdata_1_delta.png added

#17 - 02/24/2015 03:13 PM - tin

- File log_nplc50.png added

- File data_log_nplc50.xlsx added

#18 - 03/09/2015 11:27 PM - tin

- Project changed from KX to REF-R

- Category deleted (101)

- Target version deleted (debug & validation)

Files			
ltz_setup.png	34.2 KB	03/28/2014	tin
startup.png	38.9 KB	03/28/2014	tin
vref_ms2.jpg	92.2 KB	03/28/2014	tin
weekendlog.png	12.9 KB	03/31/2014	tin
Data INSTR 5 3_31_2014 18_48_14.csv	408 KB	04/01/2014	tin
unit3_log.png	32.7 KB	08/20/2014	tin
ltz1000a_edc.png	74.3 KB	09/09/2014	tin
ltztest_log.png	327 KB	09/09/2014	tin
ltztest_log.png	331 KB	09/09/2014	tin
ltztest2_log.png	159 KB	09/10/2014	tin
ikea_night1.png	170 KB	09/25/2014	tin
kxdata_1.xlsx	124 KB	01/21/2015	tin
kxdata_1.png	53.3 KB	01/21/2015	tin
kxdata_1.xlsx	124 KB	01/21/2015	tin
kxdata_1_delta.png	84.7 KB	01/22/2015	tin
log_nplc50.png	365 KB	02/24/2015	tin
data_log_nplc50.xlsx	879 KB	02/24/2015	tin