



Steady state TRIAC drive:
 1) 60Hz Sync signal to MCU
 2) Q1 Collector drive signal - warmup (100% D.C.)



Steady state TRIAC drive:
 1) 60Hz Sync signal to MCU
 2) TRIAC gate waveform

Thermocouple Type "K"
 Voltages vs. temperature:

DEGF	TC[mV]	U2[V]
35.0	6.07	0.86
40.0	7.14	1.24
45.0	8.56	1.62
50.0	9.79	2.00
55.0	11.02	2.40
60.0	12.03	2.76
65.0	13.52	3.15
70.0	14.78	3.53
75.0	16.10	3.92
80.0	17.30	4.30
85.0	18.53	4.67

Unless otherwise specified, all values are as follows:
 resistor values are in Ohms, i.e. 0R47, 5R6, 220, 5K6, 22K
 capacitor values are in Microfarads, i.e. .220p, 0u1, 2u2, 33
 inductor values are in Microhenries, i.e. 0u22, 5u6, 68, 2m2

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 Without Approval use only for inquiry.

Approval:

Date	Name	Change Index	Change Notification Nr.	Date	Name
8-Sep-2013					

PCB Name: Main Control Board
 PCB Nr: B615CH
 PCB Type: FR4 2L 0LL 2SM 15mm Scale: SCH

Title: WESD51 Main Board
 Used in: WESD51 Repl. for: Build No.

Drw. Type: PCB Schematic Prj. Nr: 13028

Size: A3 Rev: 0 Drw. Nr: 13028-WESD51-E01

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