68 A 9 9 3 9 8 6

CONT ON SHEET 2

Α TITLE TEST SPECIFICATIONS BUS MONITOR 68A993986

IC3600SBMA1

ELEMENTARY IC3600SBMA1

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SPECIAL TEST EQUIPMENT

- WAVETECK 101 SQUARE WAVE GENERATOR
- 2. TWO VARIABLE 0-50 VOLT POWER SUPPLIES

FIRST MADE FOR

3, 100Ω 1/2 W 68A 7000P102 RESISTOR

GENERAL TEST REQUIREMENT

THIS TEST SPECIFICATION REQUIRES Q.C. TO VERIFY MONITOR CARD OPERATION AND MAKE INITIAL ADJUSTMENTS OF CARD.

SPECIFIC TESTS

- 1. ADJUST POTENTIOMETER R71 FULL CLOCKWISE. ADJUST POTENTIOMETER R70 FULL COUNTER CLOCKWISE.
- 2. CONNECT POWER SUPPLY 1: (SET TO 50V)
 - COM ON PIN (1, 51)
 - +50 VOLTS ON PIN (19) V1, and Pin 30 (VR). 8)
 - Jumper Pin 13 to Pin 11
- 3. CONNECT POWER SUPPLY 2. (SET TO 12.0 VOLTS)
 - A) COM ON PIN (1, 51)
 - 12 Volts on Pin (4), $V_{\rm HL}$ and Pin 5 (VLL).
- 4. VERIFY THAT:
 - A) TP1 PIN (13) MEASURES 9.5 TO 10.5 VOLTS
 - B) TP2 PIN (21) MEASURES 9.0 TO 10.5 VOLTS
 - C) TP3 PIN (12) MEASURES 9.0 TO 10.5 VOLTS
 - D) FLT PIN (10) IS A LOGIC O
 - E) K1 RELAY IS DROPPED OUT .(CONTINUITY BETWEEN PINS 43 AND 49)
- 5. CONNECT A 30 CPS 6 VOLT SQUARE WAVE TO SD PIN (33). CONNECT 100Ω RESISTOR BETWEEN P+ PIN (38), AND P- PIN (40).
- 6. VERIFY THAT:
 - A) K1 RELAY DROPS OUT WHEN SQUARE WAVE IS +6 VOLTS AND PICKS UP WHEN SQUARE 15 "0".
 - B) Voltage pulse appearing across the P+ (38) to P- (40) 100 Ohm resistor (positive scope probe on P+) is greater than 3 Volts high and wider than 3 microseconds.
- 7. REMOVE SQUARE WAVE AND CONNECT SD PIN (33) TO COM.

APPROVALS

PRINTS TO DIV OR INDUSTRY CONTROL 68 A 9 9 3 9 8 6 SALEM, VIRGINIA LOCATION CONT ON SHEET SH NO.

FF-803-WF (12-67)

T. B. MASON

20 SEPT.

MADE BY

ISSUED

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REVISIONS

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CODE IDENT NO.

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REV NO. 68A993986 CONT ON SHEET FL. 2

TEST SPECIFICATIONS BUS MONITOR

103600SBMA1 FIRST MADE FOR

REVISIONS

8. VERIFY THAT:

SH NO.

- A) RELAY K1 IS PICKED UP (CONTINUITY PIN 43 TO PIN 47)
- B) VR PIN (24) MEASURES 11.5 TO 14 VOLTS
- C) VR PIN (26) MEASURES 26 TO 32 VOLTS

TITLE

- D) VR PIN (28) MEASURES 33 TO 40 VOLTS
- E) +V1 PIN (15) MEASURES 22 TO 25 VOLTS
- F) +V1 PIN (17) MEASURES 31 TO 35 VOLTS

TRIP POINT ADJUSTMENT

- 9. ADJUST POWER SUPPLY 2 TO 12.6 VOLTS ADJUST POT R71 C.C.W. UNTIL T.P.3 (12) JUST TRIPS FROM LOGIC 1 TO 0.
- 10. ADJUST POWER SUPPLY 2 TO 11.4 VOLTS ADJUST POT R70 C.W. UNTIL TP2 (21) JUST TRIPS FROM LOGIC 1 TO 0.
- 11. VERIFY AS POWER SUPPLY 2 IS VARIED THAT:
 - A) AT 12.6 VOLTS TP3 (12) GOES 1 TO 0.
 - B) AT 12.4 VOLTS \pm .1 VOLTS, TP3 (12) GOES 0 TO 1.
 - c) AT 11.4 VOLTS TP2 (21) GOES 1 TO 0.
 - D) AT 11.6 VOLTS \pm .1 VOLTS TP2 (21) GOES 0 TO 1.
- 12, SET POWER SUPPLY 2 TO 12.7 VOLTS, VERIFY THAT RELAY IS DROPPED OUT AND FLT (10)IS A "1". REDUCE TO 12 VOLTS, RELAY IS PICKED UP AND FLT (10) IS A "O". REDUCE TO 11.3 VOLTS; RELAY DROPS OUT AND FLT (10) GOES TO 1. REMOVE POWER.
- 13. VERIFY THAT:

R6 AND R7 ARE 2.4KΩ RESISTORS. R9, R10 ARE 8.2KΩ RESISTORS. R12, R13 ARE 16KΩ RESISTORS.

THIS COMPLETES TEST.

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PRINTS TO

T. B. MASON 20 SEPT.

INDUSTRY CONTROL SALEM, VIRGINIA

DIV OR

68 A 9 9 3 9 8 6 LOCATION CONT ON SHEET FL.

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