DEMENAL (25) ELECIKIU 68A944329 CONT ON SHEET 2 REV NO. SH NO. 1 TITLE RELAY DRIVER - 100 MILLIAMPERES, MAXIMUM 68A944329 TEST SPECIFICATIONS SH NO. 1 FIRST MADE FOR Standard Line CONT ON SHEET REVISIONS ELEMENTARY IC3600LRDJ 1) BU945XN CGL 12/7/78 TEST EQUIPMENT 265 OHM, 5-Watt, +5%  $R_{\mathbf{T}}$ EQ 1K OHM, 2-Watt, +1%  $R_{\mathrm{T}}$ EQ Signal Generator 50 OHM Output TEST\_SET-UP (25)(1) (51)IN LRDJ OUT 28VDC CKT 12VDC SIG GEN (27)(1)SCOPE OF TEST Each of the 16 LRDJ circuits are tested. The ckt pin assignments follow: 6 7 8 CKT 2 3 1 13 17 19 21 11 IN 3 7 9 12 14 18 20 22 OUT 10 4 5 6 7 8 2 3 CKT 49 39 41 43 47 IN 31 33 37 DL22 42 48 50 38 40 44 OUT 32 34 2520

PRINTS TO

MADE BY C. G. Lucado

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GENERAL (%) ELECTRIC 68A944329 CONT ON SHEET FL SH NO. 2 TITLE RELAY DRIVER - 100 MILLIAMPERES, MAXIMUM 68A944329 TEST SPECIFICATIONS CONT ON SHEET FL SH NO. FIRST MADE FOR Standard Line REVISIONS TEST PROCEDURE 781207 1.0 Measure C1, C3, C4, C5 for correct value and polarity. C3 (10 MFD): C4 (1 MFD): C5 (30 MFD) +30%. Check CRl for correct placement and CGL polarity on all 16 ckts. (FIXIT) 2.0 Connect  $\mbox{lK resistor}$  as  $\mbox{R}_{\mbox{\scriptsize T}}.$  Make sure input pin is open: Then apply BU945XN 12V and 28V power. 3.0 Measure the voltage at the ckt input with the ckt input open to be between 5.6 and 6.2V. 1 4.0 Measure the voltage at circuit output to be 1.0V or less 5.0 Apply 2.2 volts DC to ckt input. Measure the voltage at the ckt output to be 26.8V or greater. 6.0 Replace  $R_T$  with 265-OHM, 5-watt resistor. Apply 3.8 volts to ckt input. The ckt output should be 1.0V or less. Remove DC input to ckt. Apply the following signal using a 50 OHM signal generator to the ckt input. 1001 SEC 4.2V DC OV DC LESS 1.5 p Sec Rise + Fall Measure the voltage at the ckt output  $10\mu$  sec after falling edge of input square wave. The voltage at the circuit output should be between 6V and 15V. 8.0 Measure the voltage across the circuit output at  $25\mu$  sec after input falling edge. The output voltage should be greater than 20V. 9.0 Remove signal generator and DC power. PRINTS TO

APPROVALS Drive Systems DIV OR 68A944329

ISSUED 12-7-78 Salem, Va. LOCATION CONT ON SHEET FI. SH NO. 2

CODE IDENT NO.