G2562

COLD TIP CONTACTOR DRIVE

EXCITER VOLTAGE WINDOW MONITOR

TO CAPACITOR BANK CONTACTOR DRIVE

TO SHUNT FIELD DRIVE

EXCITER FIELD WIRING

115 VOC NOMINAL EXCITER (40 - 150 VDC)

PULL-IN TIMER

CURRENT LIMIT

CC MODE INTER-LOCK COMPARATOR

START BOOST BUFFER

PWM AMPLIFIER

SHUNT FIELD FET DRIVE

SHUNT FIELD FET OVERLOAD PROTECTION

OUTPUT VOLTAGE CONTROL POT

WELDER OUTPUT CIRCUIT WIRING

TO AMPHENOL

DIFFERENTIAL FEEDBACK AMP

PWM CONTROLLER

POWER SUPPLY

OUTPUT CURRENT AMPLIFIER

OUTPUT CURRENT COMPARATOR

BOOST PULSE TIMER

CAP BANK OVER-VOLTAGE PROTECTION

CAPACITOR BANK CONTACTOR DRIVE

FROM CC MODE INTER-LOCK COMPARATOR

MOLEX CONNECTORS

FILE:G2562.2DA

REFER TO "CAPACITOR BANK CONTACTOR DRIVE" SECTION FOR CIRCUIT OPERATION EXPLANATION

GENERAL INFORMATION

ELECTRICAL SYMBOLS PER E1537
CAPACITORS = MFD / .022/50V UNLESS OTHERWISE SPECIFIED)
RESISTORS = Ohms (1/4W UNLESS OTHERWISE SPECIFIED)
DIODES = 1A 400V UNLESS OTHERWISE SPECIFIED

LABELS
- SUPPLY VOLTAGE NET
- POWER SUPPLY SOURCE POINT
- COMMON CONNECTION
- FRAME CONNECTION
- EARTH GROUND CONNECTION

LAST NO. USED
R- 109 D- 19
C- 93 X- 19
D- 27 QZ- 14

NOTES :
N.A. SINCE COMPONENTS OR CIRCUITRY ON A PRINTED CIRCUIT BOARD MAY CHANGE WITHOUT AFFECTING THE INTERCHANGEABILITY OF A COMPLETE BOARD, THIS DIAGRAM MAY NOT SHOW THE EXACT COMPONENTS OR CIRCUITRY OF CONTROLS HAVING A COMMON CODE NUMBER.

UNLESS OTHERWISE SPECIFIED TOLERANCE ON HOLES SIZES PER E-2856 ON 2 PLACE DECIMALS IS ± .02 ON 3 PLACE DECIMALS IS ± .002 ON ALL ANGLES IS ± .5 OF A DEGREE MATERIAL TOLERANCE PER TO AGREE WITH PUBLISHED STANDARDS

Dwn.	Date
	3-10-94
	9-22-95F
	10-23-98M

THE LINCOLN ELECTRIC CO.
CLEVELAND, OHIO U.S.A.
SCALE NONE
DR. MG/DO DATE 2/12/93 CHK. TJ SUP'SD'G.

EQUIP. TYPE WIRE FEED MODULE
SUBJECT CONTROL PCB SCHEMATIC
SHT. NO. G 2562