

INSTRUCTIONS

GEK- 31179
Insert Booklet- GEI-98303



STATIC PHASE COMPARISON RELAY

TYPE SLD

USING CS26B CARRIER

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

POWER SYSTEMS MANAGEMENT DEPARTMENT

GENERAL  ELECTRIC

PHILADELPHIA, PA.

STATIC PHASE
COMPARISON RELAY
TYPE SLD
USING CS26B CARRIER

The SLD relay used with the CS26B carrier differs in several features from the SLD relay with CS26A described in the attached instruction book GEI-98303. These differences are described in this adder.

The SLD using CS26B is compatible with the SLD using CS26A. The logic and network units of the two relays are identical. The Cabinet Internal Relay Connections and Typical External Connections are shown in Figure 1a through 1e.

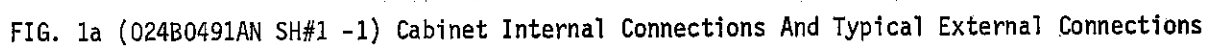
The CS26B operates from a negative reference; the SLD from a positive reference. An interface unit is provided to invert and isolate logic signals between the CS26B and the SLD. The internal connections for this unit are shown in Figure 2. The card internals are shown in Figures 3 and 4. The isolation interface card is a DC to DC converter which provides the 5V, 20 ma signal needed to control the CS26B. In standby conditions 20 ma is supplied to the CS26B by the interface, when carrier is sent the current is 0 ma.

The DC voltmeter operation has also been modified. When the CTS switch is in the NOR position, the pushbutton must be pressed to read logic voltages on the 30V scale (positive reference). When the CTS switch is in the REC position, the meter reads the received carrier signal on the 5V scale (negative reference).

All adjustments to the carrier set should be made, as described in the CS26B instruction book.

All relay settings should be made using the procedures described in the attached book GEI-98303.

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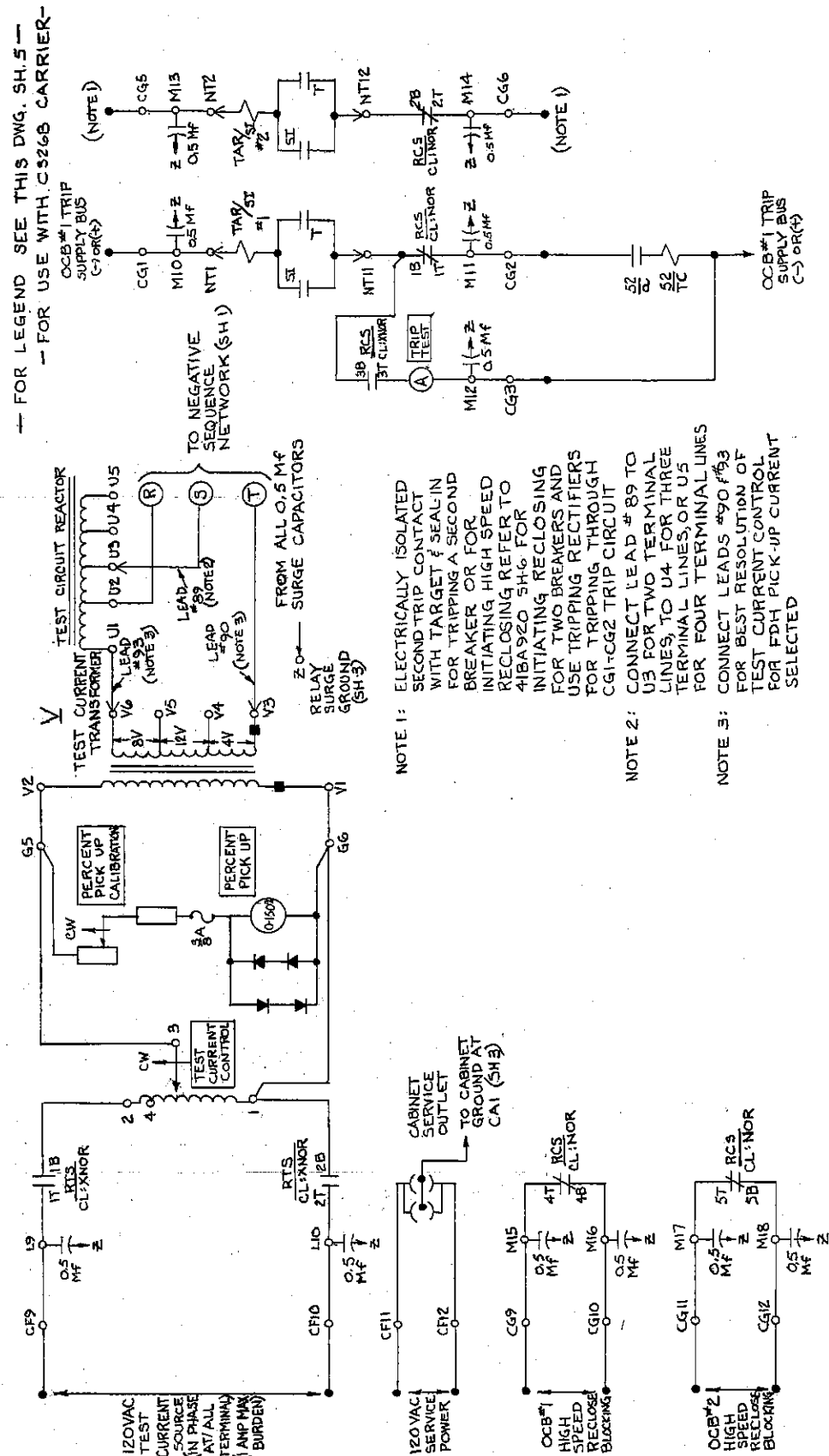


FIG. 1b (0264B0491AN SH #2 -1) Cabinet Internal Connections And Typical External Connections

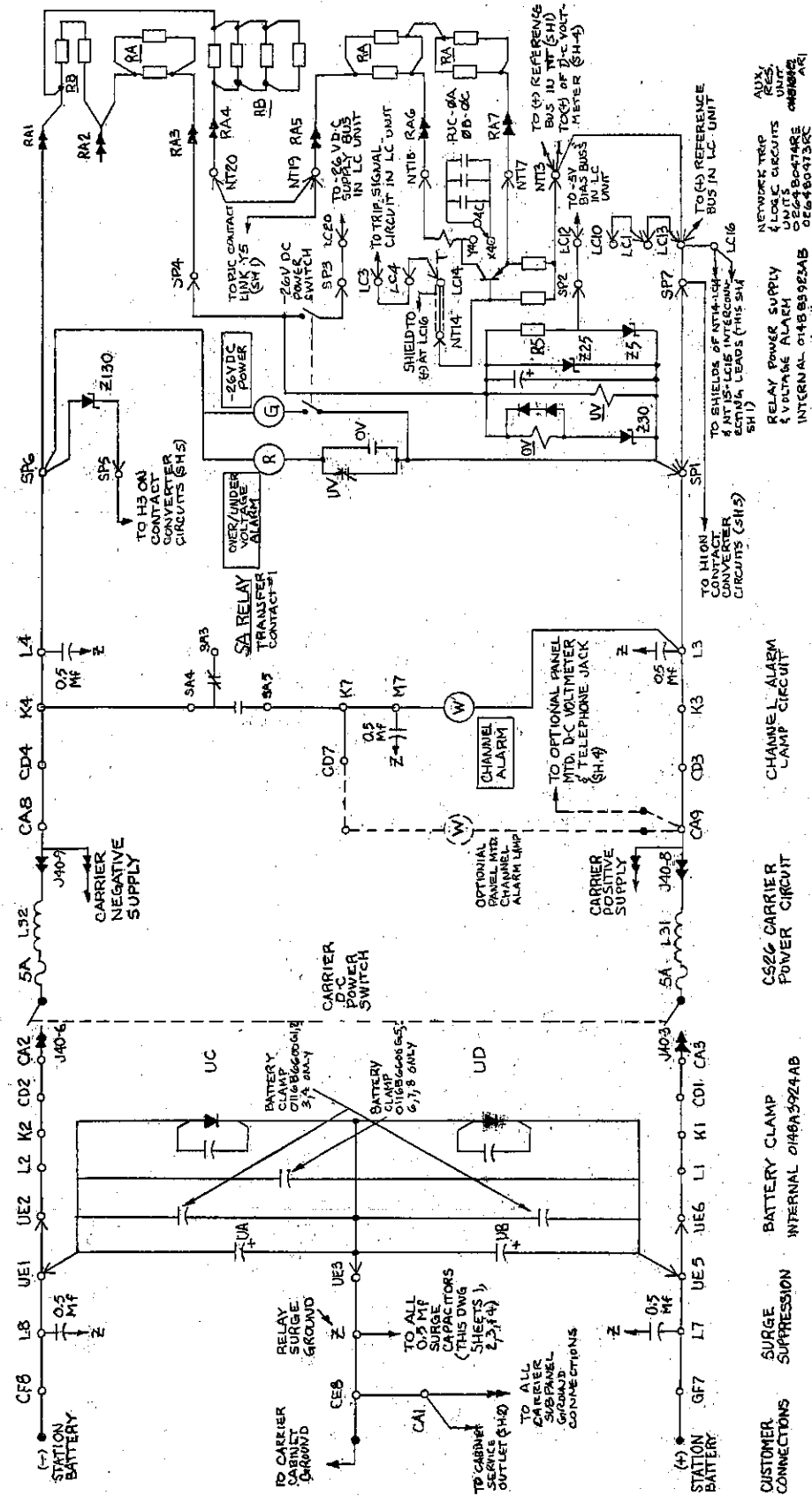


FIG. 1c (0264B0491AN SH #3 -1) Cabinet Internal Connections And Typical External Connections

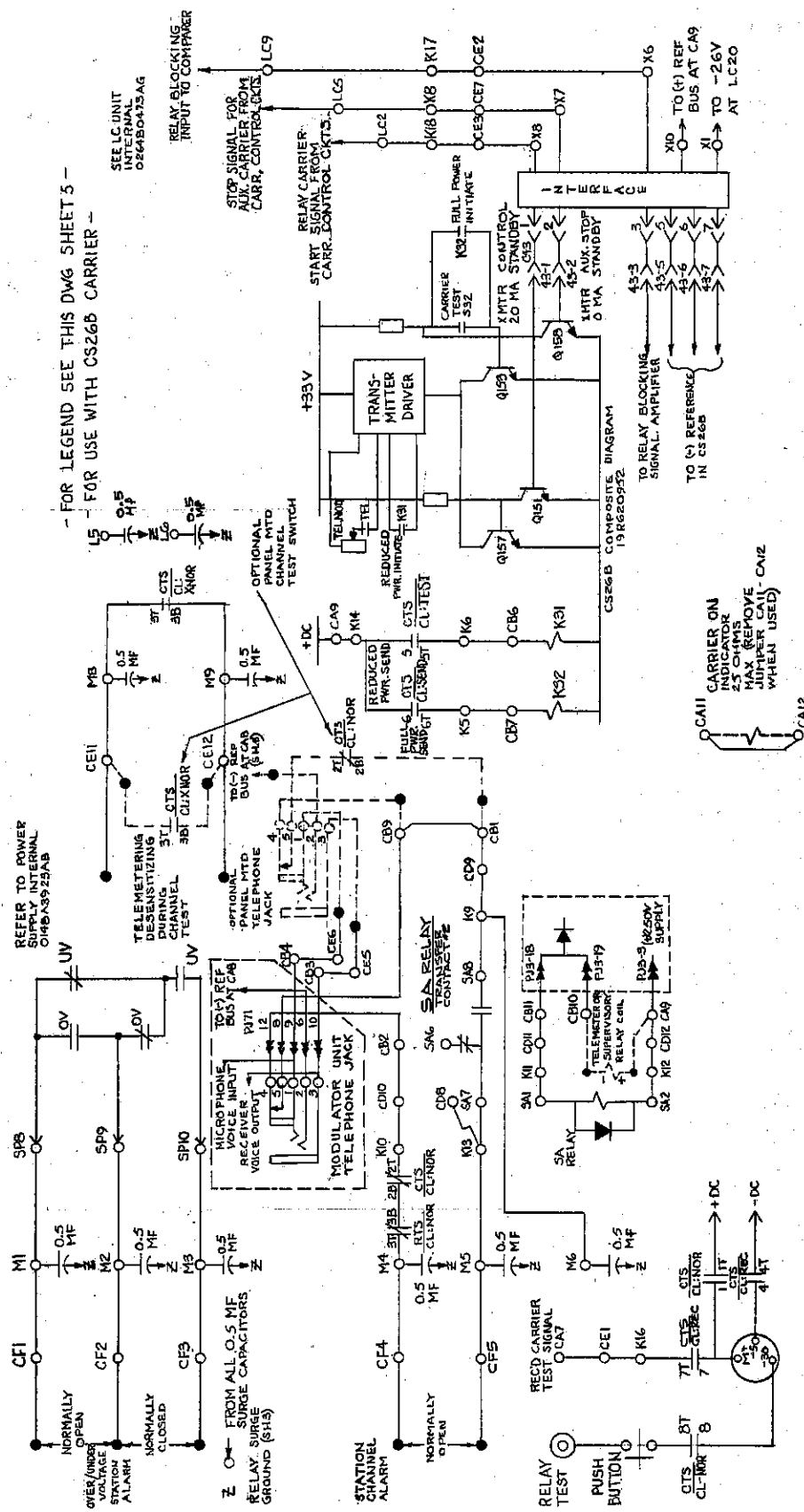


FIG. 1d (0264B0491 AN SH #4 - 0) Cabinet Internal Connections And Typical External Connections

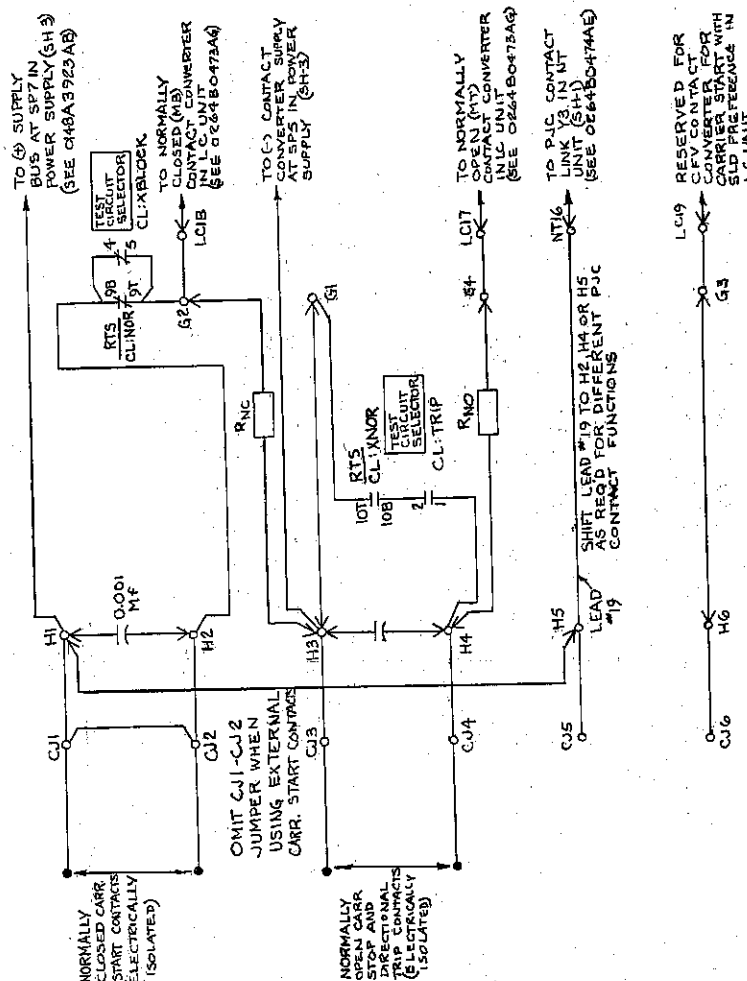
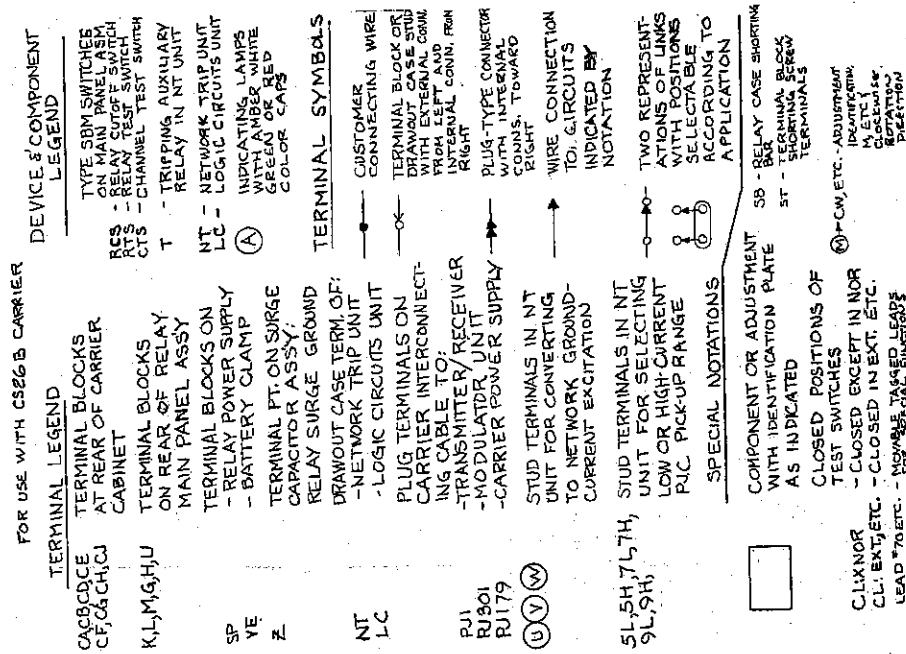


FIG. 1e (0264B0491AN SH #5 -1) Cabinet Internal Connections And Typical External Connections

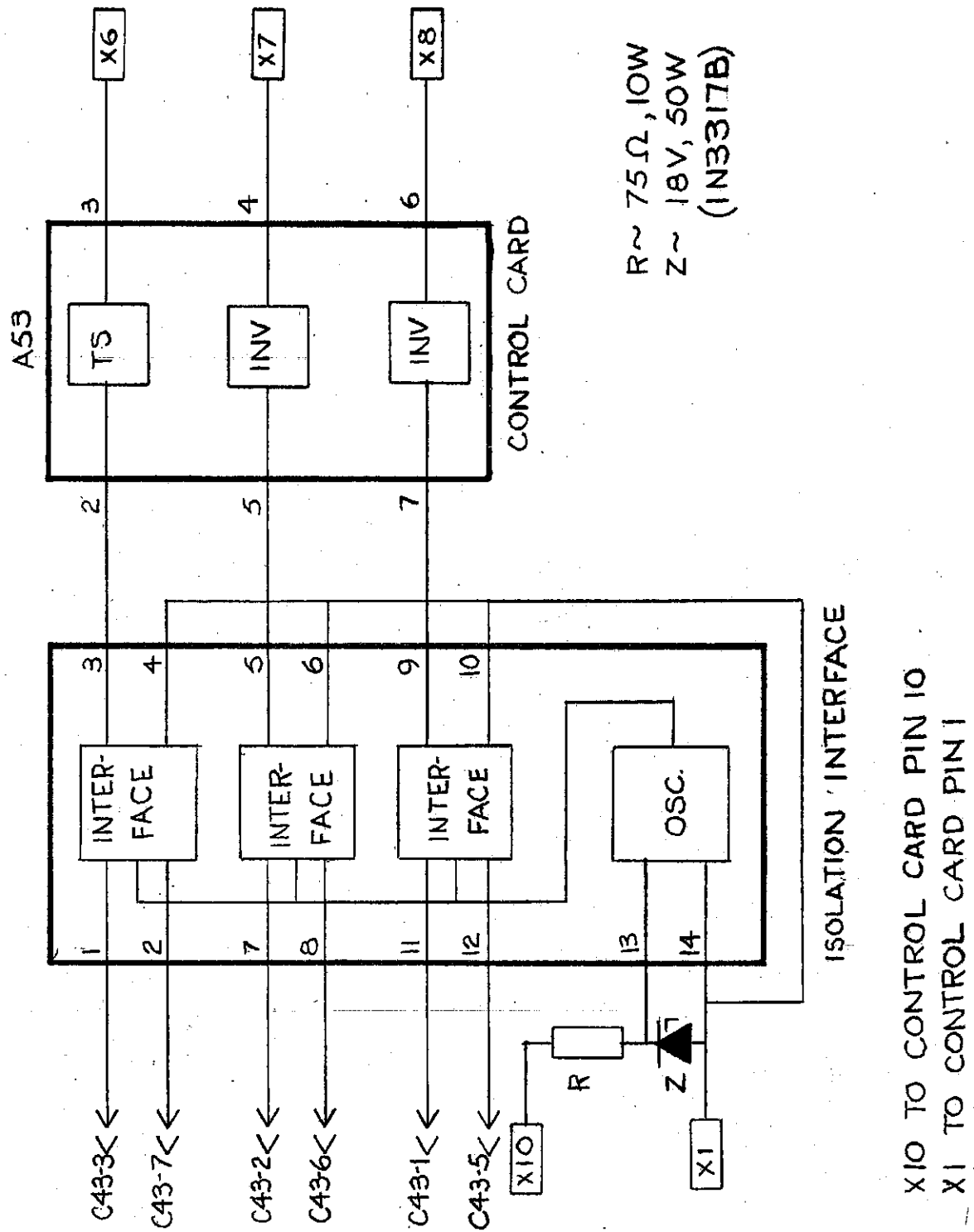


FIG. 2 (0227A2525-1) Interface Internal Connection

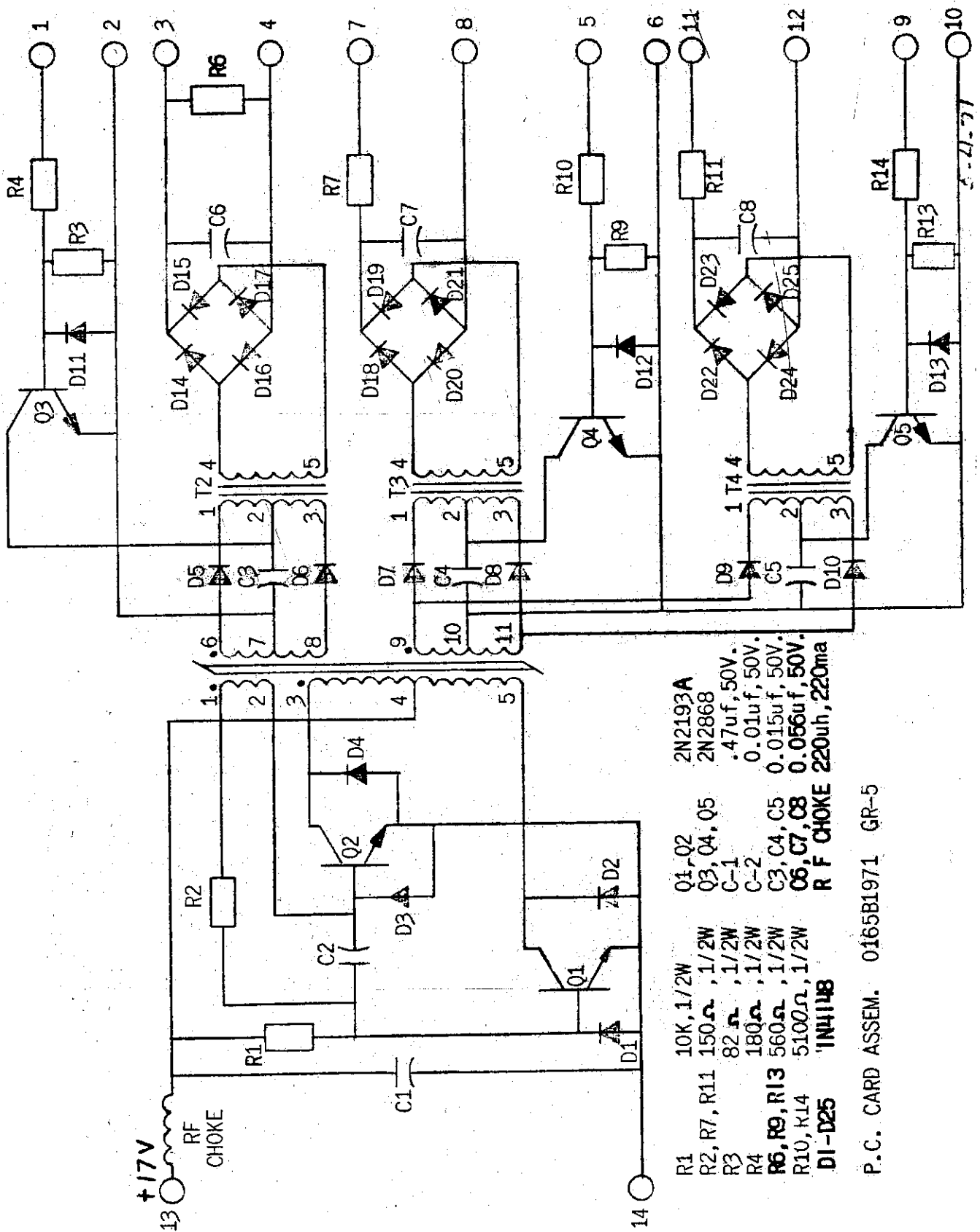


FIG. 3 (0208A5504 AA-1) Isolation Interface Card

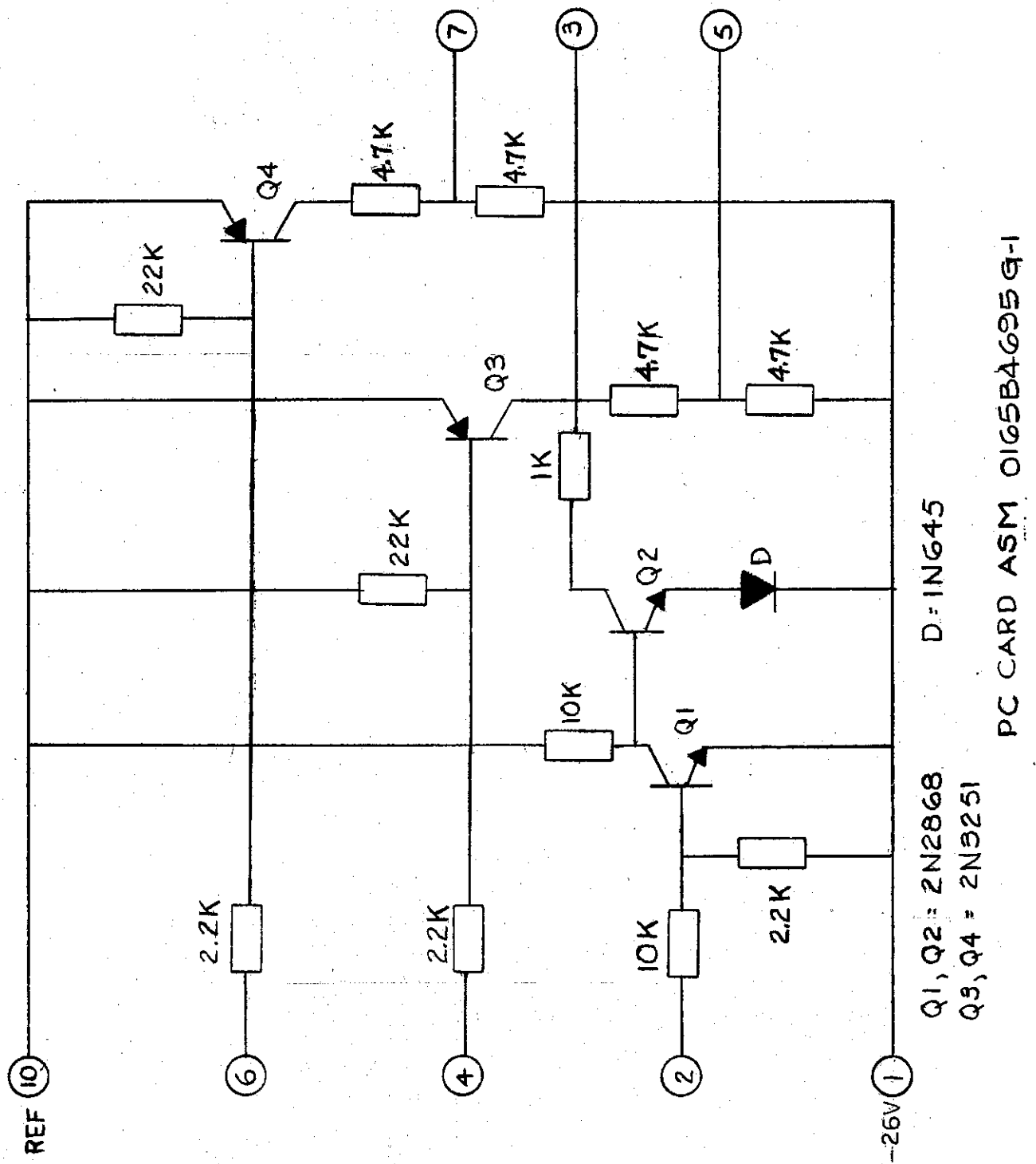


FIG. 4 (148A3918 AG-1) Control Card For Isolation Interface

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