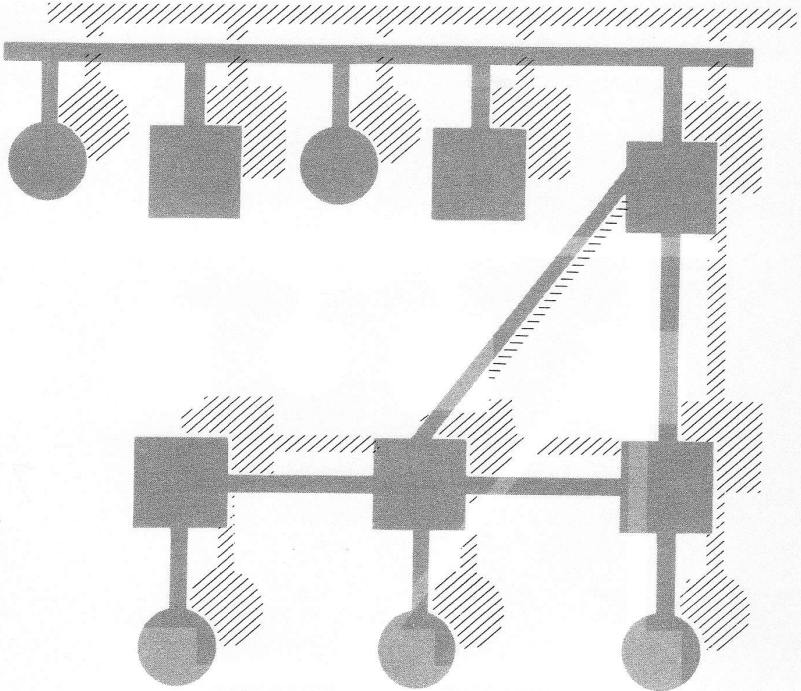


# H4000 ETHERNET TRANSCEIVER

## Technical Manual



# distributed systems

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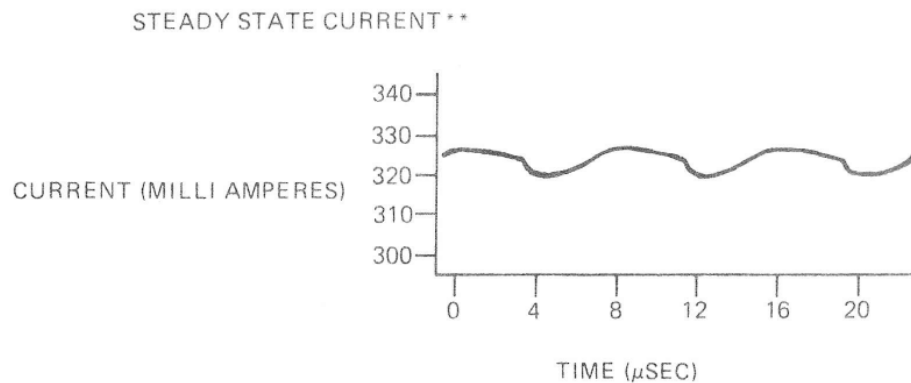
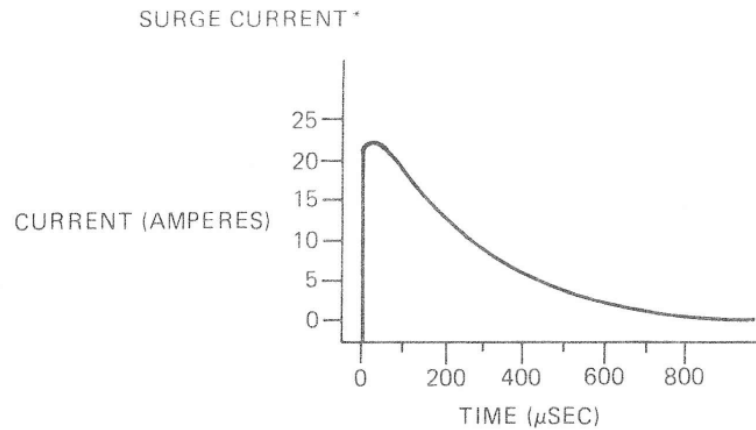
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\* SURGE CURRENT WAVEFORM DERIVED FROM INSTANTANEOUS ASSERTION OF +12 Vdc TO POWER PAIR FROM A LOW IMPEDANCE SOURCE, WITHOUT AN EXTERNAL SURGE LIMITING CIRCUIT.

\*\* STEADY STATE CURRENT WAVEFORM FOR +12 Vdc INPUT TO POWER PAIR.

TK-9349

**Figure 2-5: Surge and Steady State Current Waveforms: Power Pair**

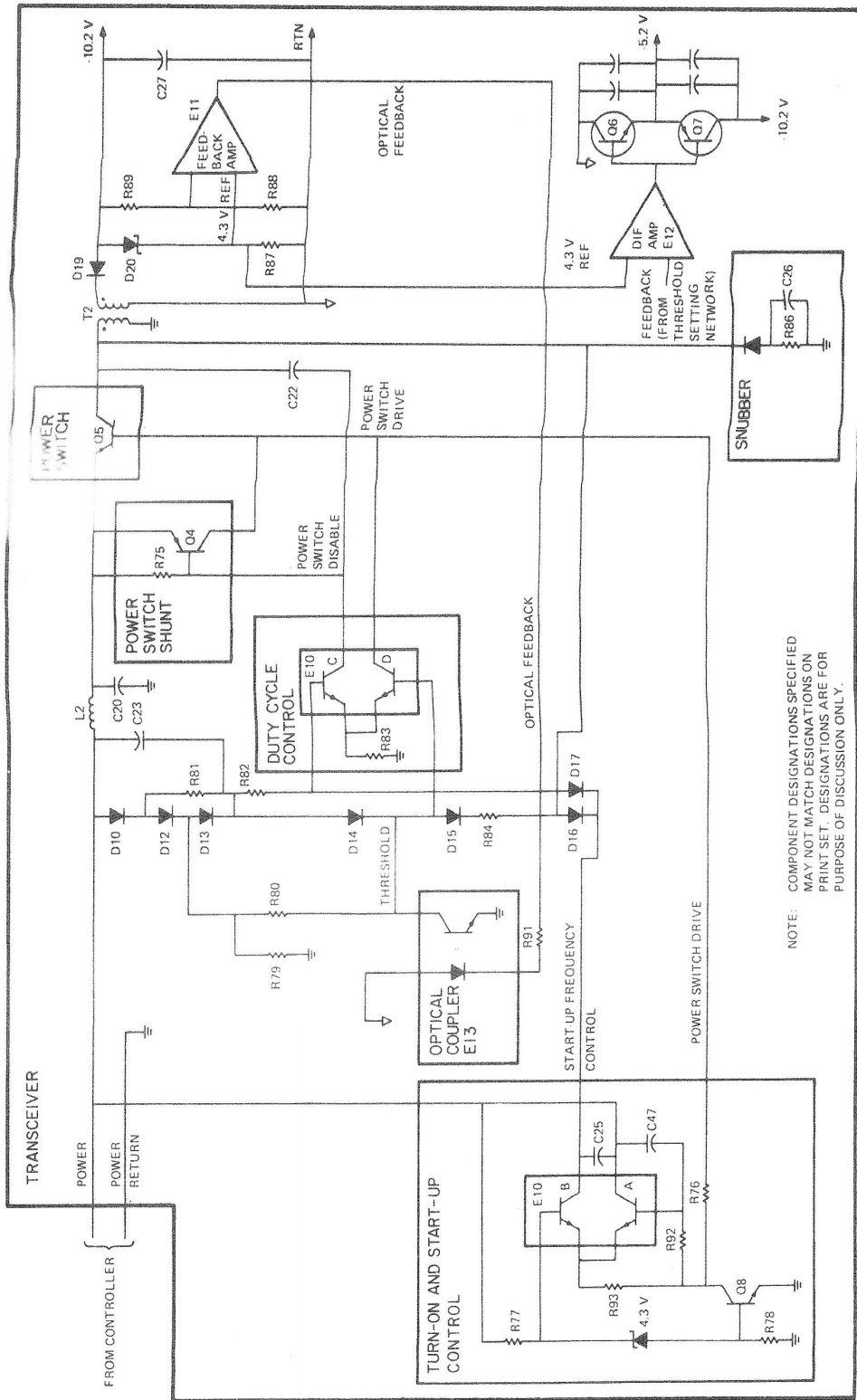
## 2.6 Transmit Pair

### 2.6.1 Drive Circuit Requirements

To transmit, the transmit pair of the transceiver cable must be driven as follows:

- Pins:
 

TRANSMIT (+)	Pin 3
TRANSMIT (-)	Pin 10
- Drive Levels: +/-550 mV minimum, +/-1.2 V maximum
- Source Impedance of driver: > 415 Ohms



T4-9138

NOTE: COMPONENT DESIGNATIONS SPECIFIED MAY NOT MATCH DESIGNATIONS ON PRINT SET. DESIGNATIONS ARE FOR PURPOSE OF DISCUSSION ONLY.

Figure 3-13: DC-to-DC Converter: Functional Schematic Diagram