

DESCRIPTION

The M94 controls the 50  $\Omega$ , 1 M $\Omega$  mode of the 485 Oscilloscope. It provides input protection and controls a "Mode Switch" lamp and lights a "Reset" lamp during overload. This device also performs an approximate RMS conversion on the input signal voltage and, with an external capacitor, integrates the result to obtain a signal proportional to heat generated in a 50  $\Omega$  attenuator. Excess signal trips a relay which can be used to open the input signal and protect the input (50  $\Omega$ ) attenuator.

As a secondary feature, the M094 also provides a X1, X10, X100, and trace identify functions for readout from a readout coded BNC. Lights appropriate LED and extinguishes all LED's during ID mode.

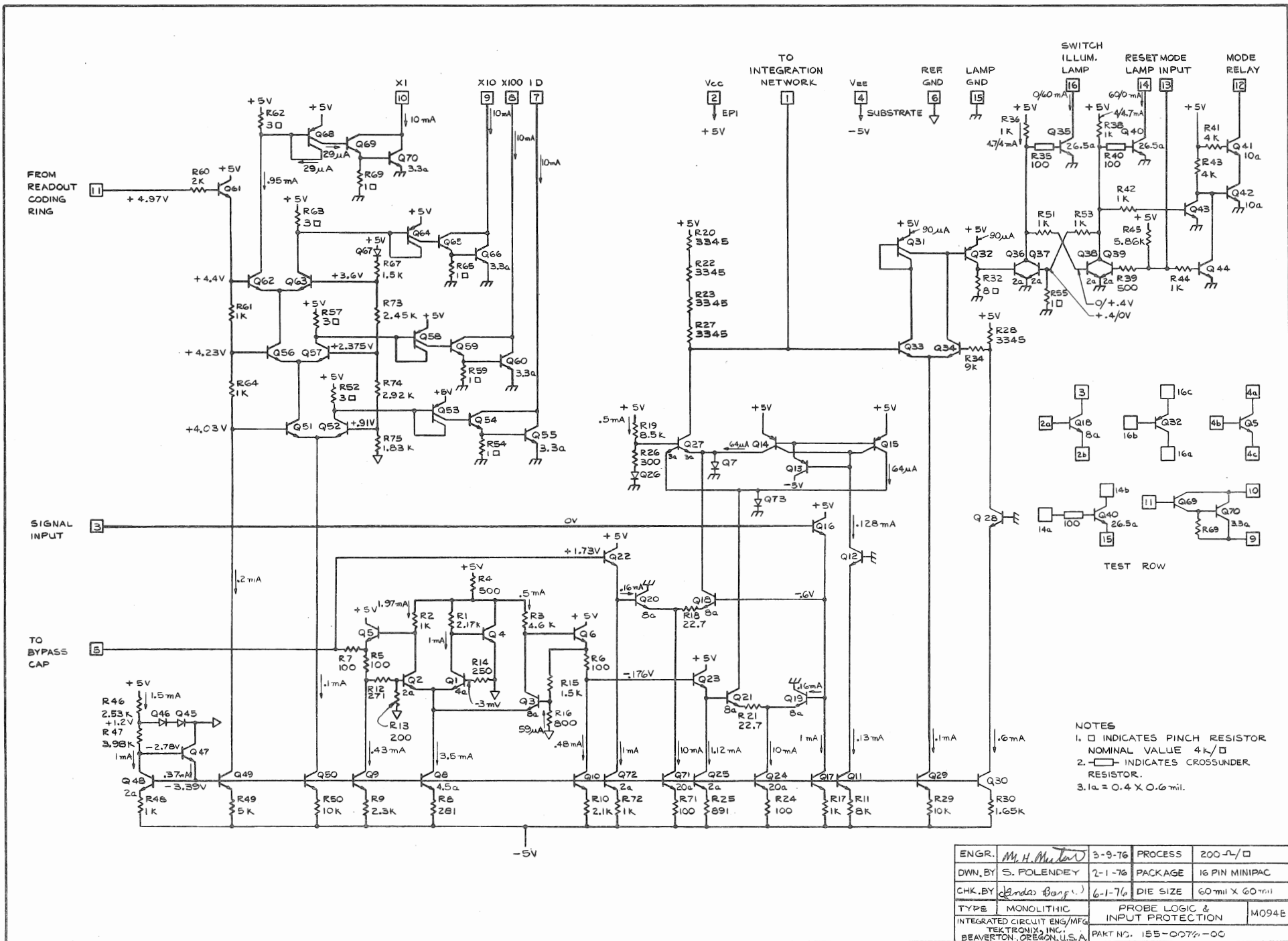
PROCESS . . . . . 200  $\Omega$ /Sq

POWER SUPPLY. . . . .  $V_{CC}$  +5V,  $V_{EE}$  -5V

PACKAGE . . . . . Minipac

DESIGNER . . . . . John Addis

INSTRUMENT USAGE . . . . . 4851  
 4852  
 485



ENGR.	<i>M. H. Miller</i>	3-9-76	PROCESS	200-N/D
DWN. BY	S. POLENDEY	2-1-76	PACKAGE	16 PIN MINIPAC
CHK. BY	<i>David Bangs</i>	6-1-76	DIE SIZE	60 mil x 60 mil
TYPE	MONOLITHIC	PROBE LOGIC & INPUT PROTECTION		M094E
INTEGRATED CIRCUIT ENG/MFG TEKTRONIX, INC. BEAVERTON, OREGON, U.S.A.		PART NO. 155-0074-00		