

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

SCHEMATIC DRAWING OF THE U.S. GEOLOGICAL SURVEY'S  
ASQ/10 AIRBORNE MAGNETOMETER SYSTEM  
by  
ROGER LESCELTUS AND CHARLES MITCHELL

10%  
Circuit

The 3H8 Etc. come out of the selector switches.

From Selector Switches

OUTPUT = 1 When HTU CODE  
> 250 = When ATU CODE  
< 250

OUTPUT = 1 When HTU CODE  
> 500 = 0 When HTU CODE  
< 500

OUTPUT = 1 When HTU CODE  
> 750 = 0 When HTU CODE  
< 750

STAND BY  
DVM. EXTATION  
SW

OSCILLATOR & CLOCK

SINGLE PULSER

DOUBLE PULSER

TRIPLE PULSER

PARTS LIST

- IC1, 2, 3, 6, 47 SN5420N
- IC5 SN5402N
- IC7, 49, 39, 40 SN5430N
- IC8, 9 SN5404N & 34
- IC 10 & 11 SN5404N
- IC 12, 13 & 14 SN5490N
- IC 15 & 16 SN5420N
- IC17, 42 SN5440N
- IC 38 SN5440N
- LAMPS
- CM 1-00-02
- Network Cat. #
- 25F1795-05
- IC 33 SN5400N
- IC 35 & 36 SN5404N
- IC 37 SN5437
- IC 18 SN5410N
- IC 20, 21, 22 & 25 SN5400N
- IC 19, 43, 44, 45, 46 SN5410N
- IC 29, 30, 31 & 32 SN5400N
- IC 23, 24, 26, 27, 28, 41 SN5400N