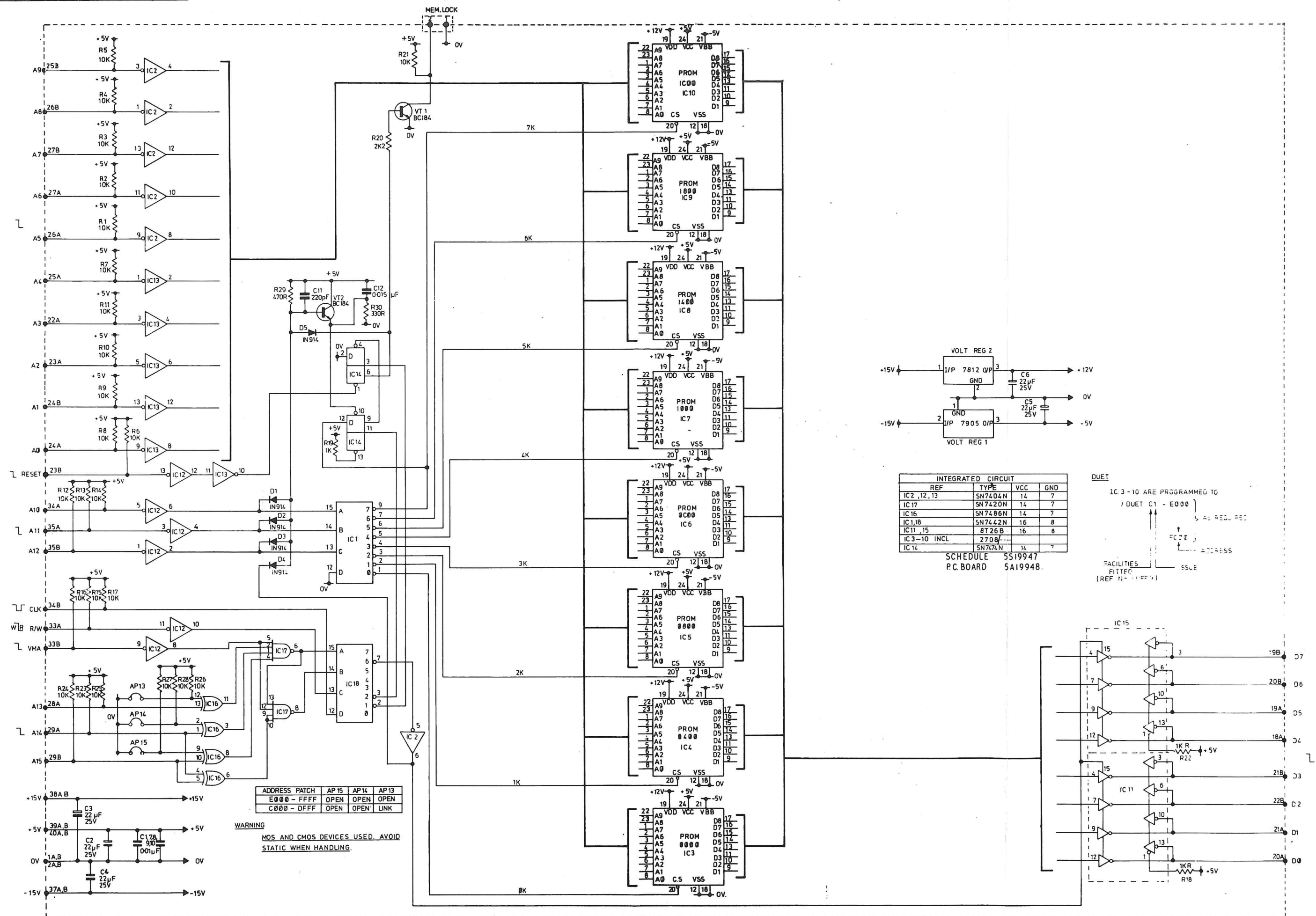








MOS AND CMOS DEVICES  
USED. AVOID STATIC WHEN  
HANDLING

NOTE:-

MEASURE CURRENT IN R67 WITH FULLY CHARGED BATTERIES AND POWER OFF. MAX. 500 $\mu$ A \* FOR 64 RAM's

ALTERNATE IC 12-75 HARRIS HM3 - 6509-5 (MEMEC SP

SCHEDULE 5519950 REF 1603/4 (4K6)

SCHEDULE 3319930 REF 160274 (4K6)  
P.C. BOARD 5A19951

SCHEDULE 5521020 REF 1602/8 (8K6)

| IC NUMBER     | TYPE      | +5V | 0V | +BA |
|---------------|-----------|-----|----|-----|
| IC 12-75 INCL | 6508      | -   | 0  | 16  |
| IC 5,         | SN7404N   | 14  | 7  | -   |
| IC 3,4        | N8T28     | 16  | 8  | -   |
| IC 9,10       | SN7438N   | 14  | 7  | -   |
| IC 1          | SN7486N   | 14  | 7  | -   |
| IC 2          | SN74123N  | 16  | 8  | -   |
| IC 6          | SN7430N   | 14  | 7  | -   |
| IC 11         | SN7442N   | 16  | 8  | -   |
| IC 7, 8       | SN74LS04N | 14  | 7  | -   |

[illegible]

**RANK STRAND ELECTRIC**  
PO BOX 70 Great West Road Brentford Middlesex TW8 9HN  
Telephone 01-895 9222 Telex 27070  
A DIVISION OF  
**RANK AUDIO VISUAL LIMITED**

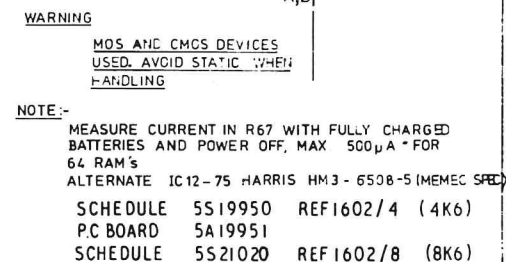
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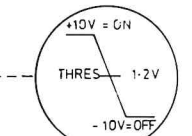
**DIMENSIONS IN INCHES/MILLIMETRES**  
**THIRD ANGLE PROJECTION**

| TOLERANCES               |                         | SCALE      | DATE    |
|--------------------------|-------------------------|------------|---------|
| IMPERIAL                 | METRIC                  | DRAWN      | KPM     |
| FRACTION $\pm .004$      | 1 DEC PLACE $\pm 0.4mm$ | CHECKED    | 1-2-79  |
| DECIMAL $\pm .003$       | 2 DEC PLACE $\pm 0.1mm$ | APPROVED   | 10-5-79 |
| ANGULAR $\pm 0.25^\circ$ |                         | MATERIAL:- |         |
| UNLESS OTHERWISE STATED  |                         |            |         |
| USED ON:- 1L20.000       |                         | FINISH:-   |         |
| DU ET                    |                         |            |         |

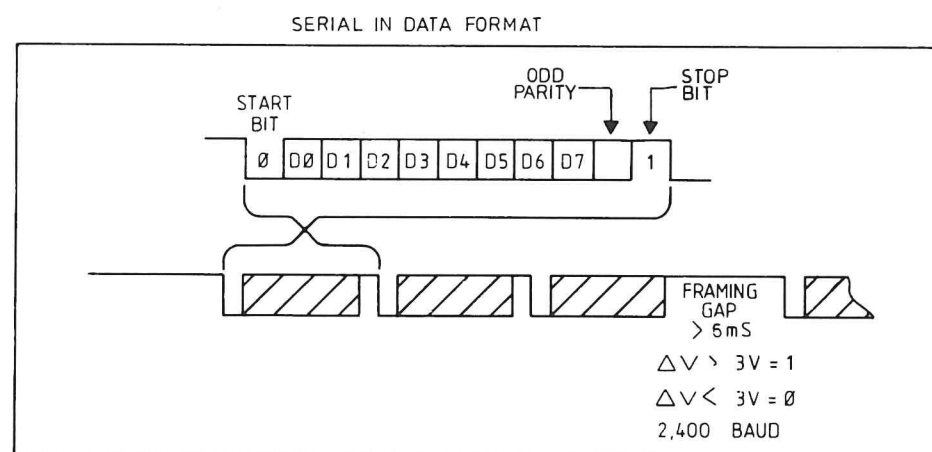
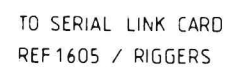
|                         |                 |            |  |
|-------------------------|-----------------|------------|--|
| TITLE - CIRCUIT DIAGRAM |                 | REF 160218 |  |
| 8KB CMOS MEMORY CARD    |                 |            |  |
| PWB 576/4               |                 |            |  |
| ISSUE 4                 | DWG. NO 6A19949 |            |  |



[illegible]



| BAUD RATE (-64) | BRT 2 | BRT 1 | BRT 0 | TTY |
|-----------------|-------|-------|-------|-----|
| 9,600           | X     | X     | X     | -   |
| 4,800           | X     | X     | -     | -   |
| 2,400           | X     | -     | X     | -   |
| 1,200           | X     | -     | -     | -   |
| 600             | -     | X     | X     | -   |
| 300             | -     | X     | -     | -   |
| 150             | -     | -     | X     | -   |
| 75              | -     | -     | -     | -   |
| 110             | -     | -     | -     | -   |



|              |               |               |
|--------------|---------------|---------------|
| REF SUFFIX * | / WR          | / RR          |
| ⊗            | WIRED CONTROL | RADIO CONTROL |
| R5           | 750k          | 330 R         |
| C1           | 0.01μF 10%    | 0.1μF 10%     |

|              |         |
|--------------|---------|
| SCHEDULE     | 5S21142 |
| P. C. BOARD. | 5B21143 |

PO BOX 70 Great West Road Brentford Middlesex TW8 9HR  
Telephone 01-568 9222 Telex 27976

A DIVISION OF

**RANK AUDIO VISUAL LIMITED**

DIMENSIONS IN INCHES/MILLIMETRES

### THIRD ANGLE PROJECTION

| TOLERANCES               |                         | SCALE      | DATE            |
|--------------------------|-------------------------|------------|-----------------|
| IMPERIAL                 | METRIC                  | DRAWN      | CROOPER 26-3-78 |
| FRACTION $\pm 1/64$      | 1 DEC PLACE $\pm 0.4mm$ | CHECKED    | Tom Co          |
| DECIMAL $\pm .005$       | 2 DEC PLACE $\pm 0.1mm$ | APPROVED   | Tom Co          |
| ANGULAR $\pm 0.25^\circ$ |                         | MATERIAL:- |                 |
| UNLESS OTHERWISE STATED  |                         |            |                 |
| USED ON:-                |                         | FINISH:-   |                 |
| DUET IL 20,000           |                         |            |                 |

TITLE:- RIGGERS INTERFACE PANEL

P.C.B 655 /2

REF 1617/\*

ISSUE C

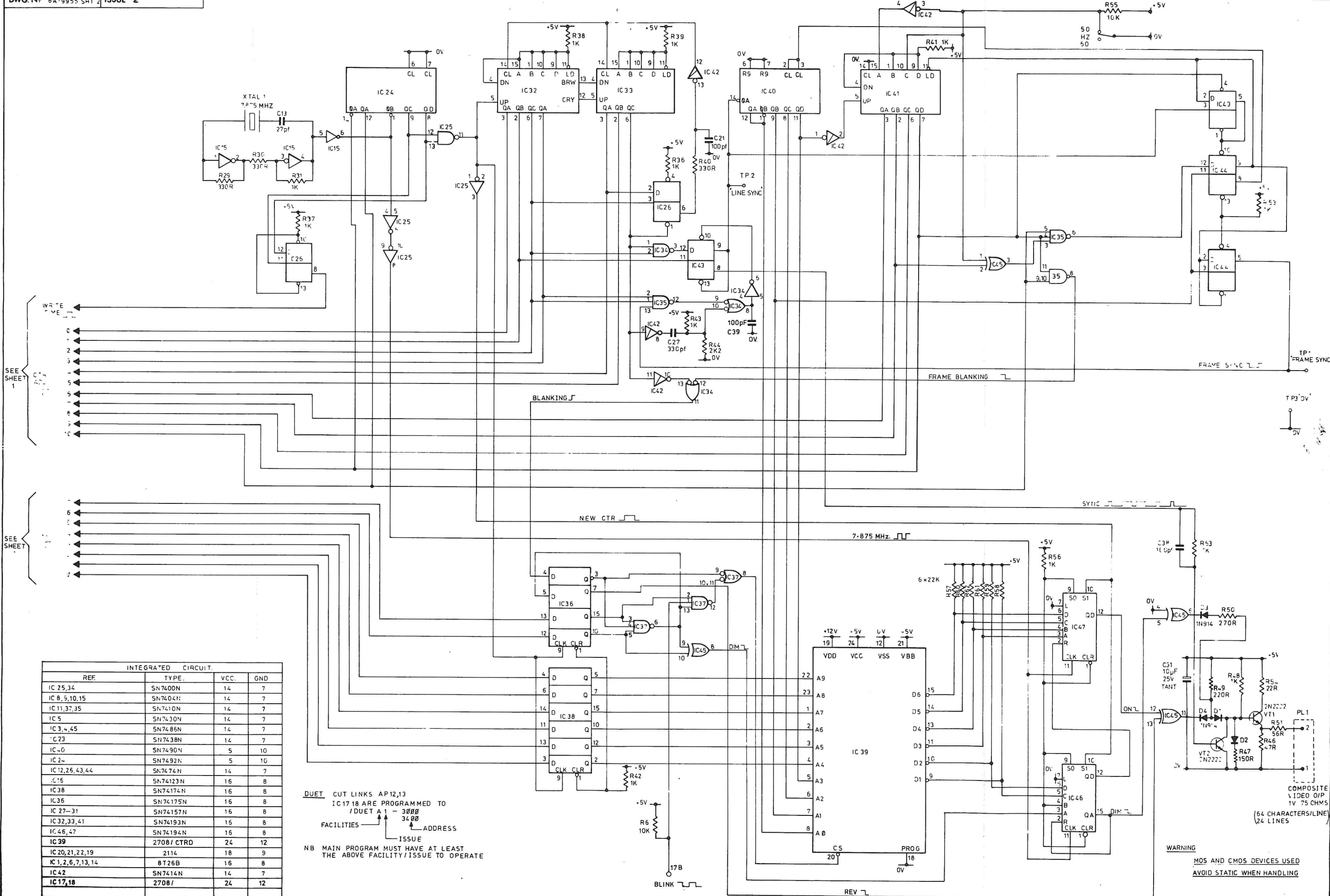
DWG. № 6B21141





SEE SHEET 2

|                  |                 |              |
|------------------|-----------------|--------------|
| TITLE -          |                 |              |
| 2K VDU INTERFACE |                 |              |
| P.C.B 578/3      |                 | REF 1604     |
| ISSUE 2          | DWG. No 6A19955 | SHEET 1 of 2 |



| INTEGRATED CIRCUIT |           |     |     |
|--------------------|-----------|-----|-----|
| REF.               | TYPE      | VCC | GND |
| IC 25,34           | SN7400N   | 14  | 7   |
| IC 8,9,10,15       | SN7404N   | 14  | 7   |
| IC 11,37,35        | SN7410N   | 14  | 7   |
| IC 5               | SN7430N   | 14  | 7   |
| IC 3,4,45          | SN7485N   | 14  | 7   |
| IC 23              | SN7438N   | 14  | 7   |
| IC 40              | SN7490N   | 5   | 10  |
| IC 24              | SN7492N   | 5   | 10  |
| IC 12,26,43,44     | SN7474N   | 14  | 7   |
| IC 16              | SN74123N  | 16  | 8   |
| IC 38              | SN74174N  | 16  | 8   |
| IC 36              | SN74175N  | 16  | 8   |
| IC 27-31           | SN74157N  | 16  | 8   |
| IC 32,33,41        | SN74193N  | 16  | 8   |
| IC 46,47           | SN74194N  | 16  | 8   |
| IC 39              | 2708/CTRD | 24  | 12  |
| IC 20,21,22,19     | 2114      | 18  | 9   |
| IC 1,2,6,7,13,14   | 8T26B     | 16  | 8   |
| IC 42              | SN7414N   | 14  | 7   |
| IC 17,18           | 2708/     | 24  | 12  |

DUET CUT LINKS AP12,13  
IC 17 18 ARE PROGRAMMED TO  
/DUET A1 - 3800  
3400  
FACILITIES ADDRESS  
ISSUE  
NB MAIN PROGRAM MUST HAVE AT LEAST  
THE ABOVE FACILITY/ISSUE TO OPERATE

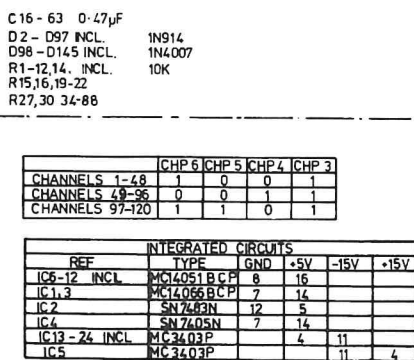
RANK STRAND ELECTRIC

SCALE: 1:1  
DATE: 10/1/78  
TITLE: 2K VDU INTERFACE

REF: 1604







SCHEDULE 5519953  
P.C. BOARD 5A19954