



MOS TECHNOLOGY, INC.  
VALLEY FORGE CORPORATE CENTER (215) 666-7950  
950 RITTENHOUSE ROAD, NORRISTOWN, PA. 19401

PRELIMINARY  
DATA  
SHEET  
NOVEMBER 1977

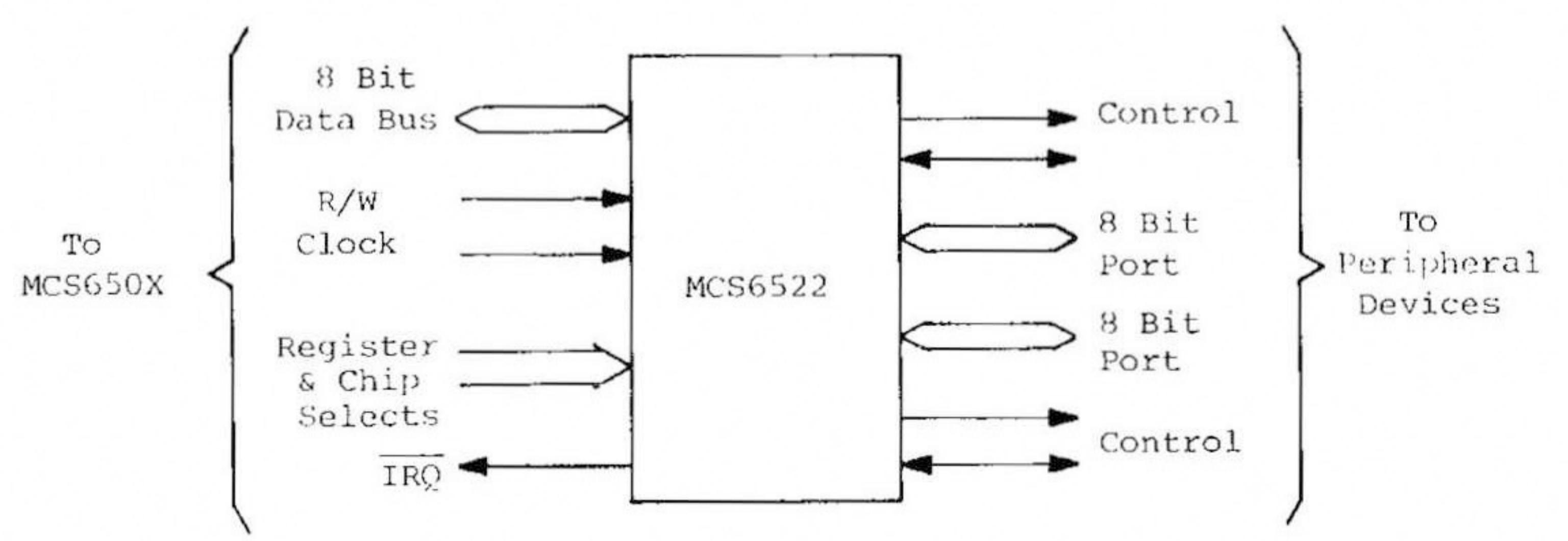
### MCS6522 VERSATILE INTERFACE ADAPTER

#### DESCRIPTION

The MCS6522 Versatile Interface Adapter (VIA) provides all of the capability of the MCS6520. In addition, this device contains a pair of very powerful interval timers, a serial-to-parallel/parallel-to-serial shift register and input data latching on the peripheral ports. Expanded handshaking capability allows control of bi-directional data transfers between VIA's in multiple processor systems.

Control of peripheral devices is handled primarily through two 8-bit bi-directional ports. Each of these lines can be programmed to act as either an input or an output. Also, several peripheral I/O lines can be controlled directly from the interval timers for generating programmable-frequency square waves and for counting externally generated pulses. To facilitate control of the many powerful features of this chip, the internal registers have been organized into an interrupt flag register, an interrupt enable register and a pair of function control registers.

- ✓ Very powerful expansion of basic MCS6520 capability.
- ✓ N channel, depletion load technology, single +5V supply.
- ✓ Completely static and TTL compatible.
- ✓ CMOS compatible peripheral control lines.
- ✓ Expanded "handshake" capability allows very positive control of data transfers between processor and peripheral devices.



MCS6522 Interface Diagram

MCS6522	
V <sub>SS</sub>	1
PA0	2
PA1	3
PA2	4
PA3	5
PA4	6
PA5	7
PA6	8
PA7	9
PB0	10
PB1	11
PB2	12
PB3	13
PB4	14
PB5	15
PB6	16
PB7	17
CB1	18
CB2	19
V <sub>CC</sub>	20
<b>CUT</b>	
CA1	40
CA2	
RS0	
RS1	
RS2	
RS3	
RES	
D0	
D1	
D2	
D3	
D4	
D5	
D6	
D7	
Φ2	
CS1	
CS2	
R/W	
IRQ	

1541-II DISK ④

ASSY NO 340503

REV 1988.6 | Taiwan

SN74LS08N  
K8750

1

**MO**  
6502AD  
2688 1D

39

9  
6522  
2588 11

U6 R1

三  
6522  
2588 11

20

A74LS14  
JAPAN 60.7N

251828-03  
8F5 47

**SONY**  
**CX2018**  
**8FA4**

25

R10

R32 RA

SW2

KSPA02  
69

JA 0240119

8  
1

32  
00

Cut here

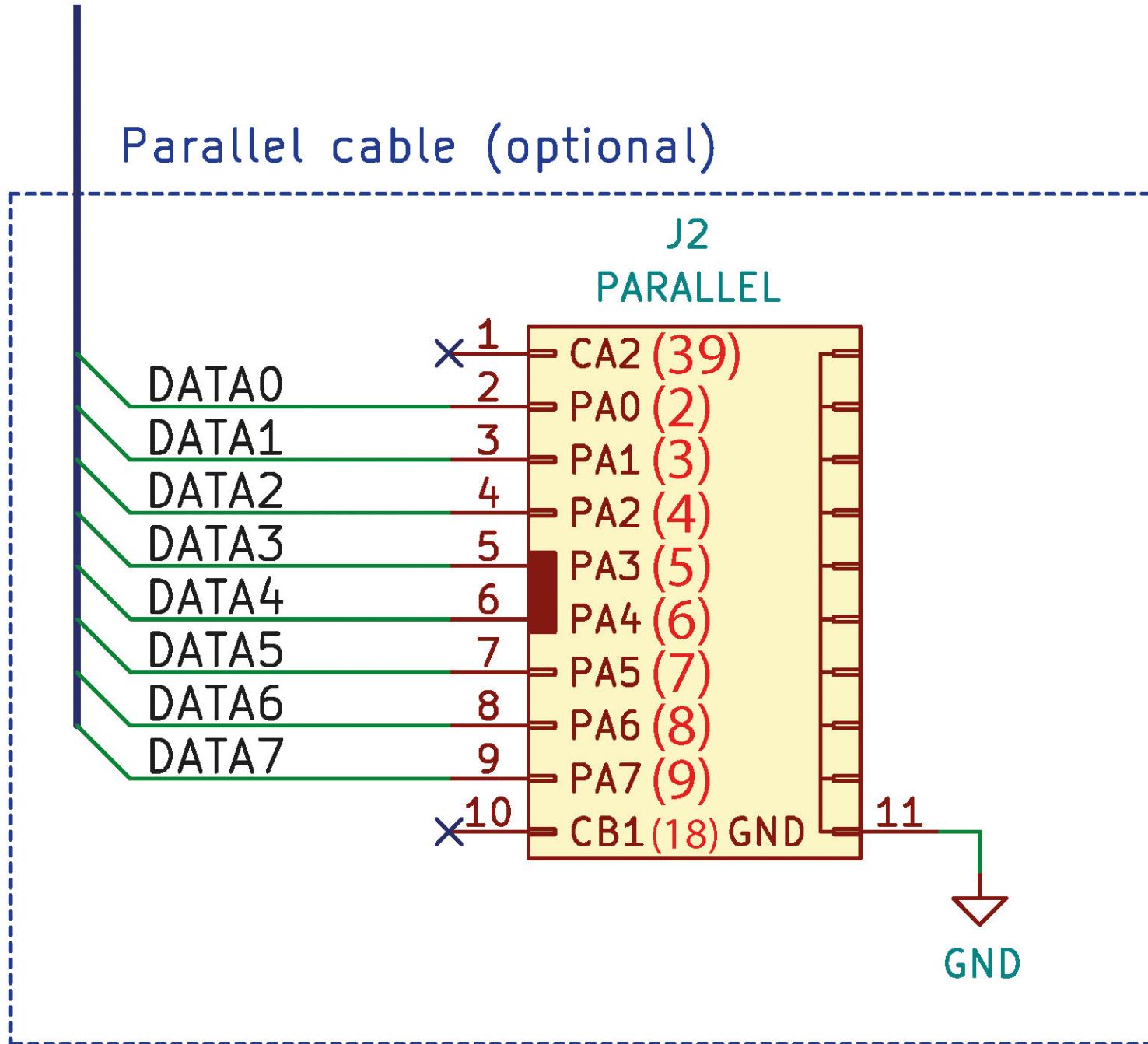
39

2  
3  
4  
5  
6  
7  
8  
9

18

FAU NO. 055124  
REV. B 10879 TAIWAN

## Parallel cable (optional)

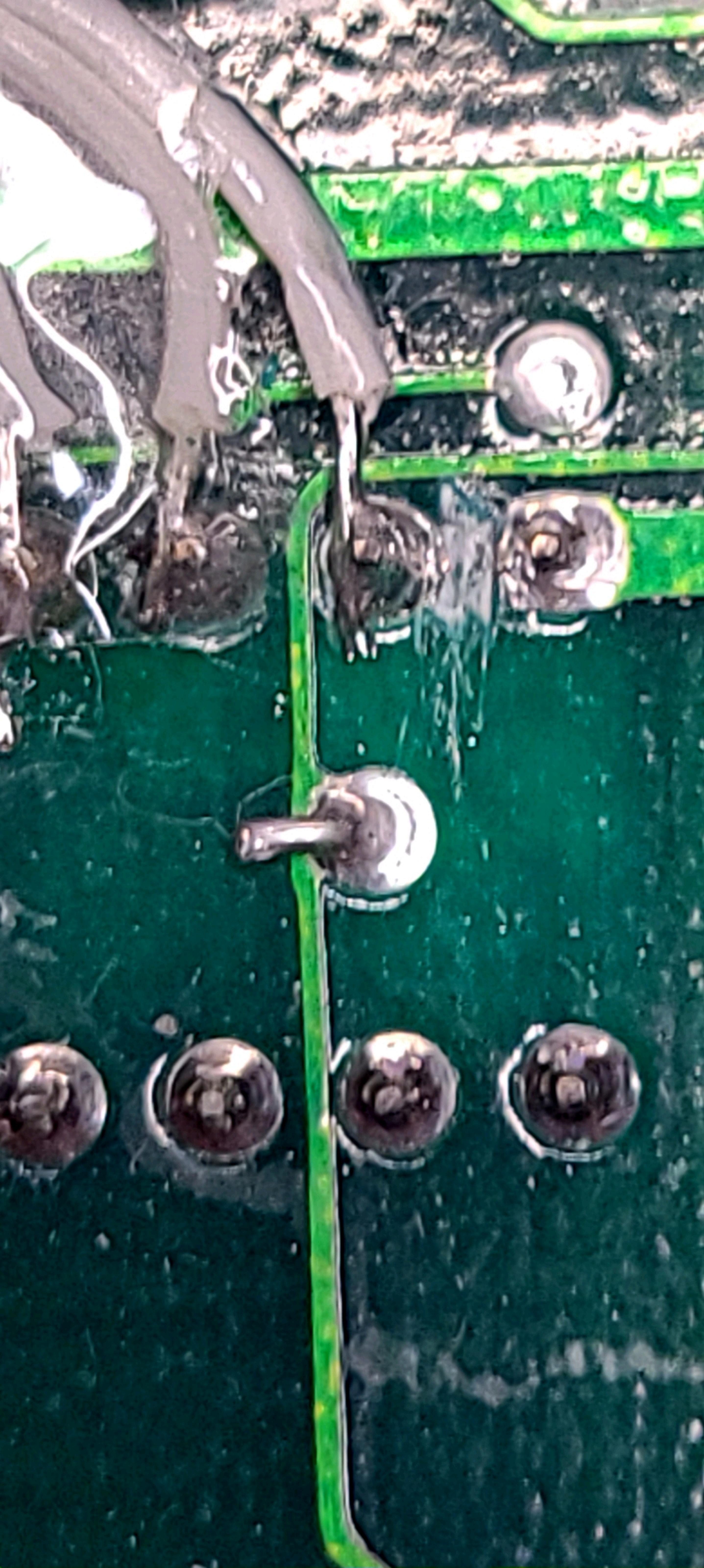


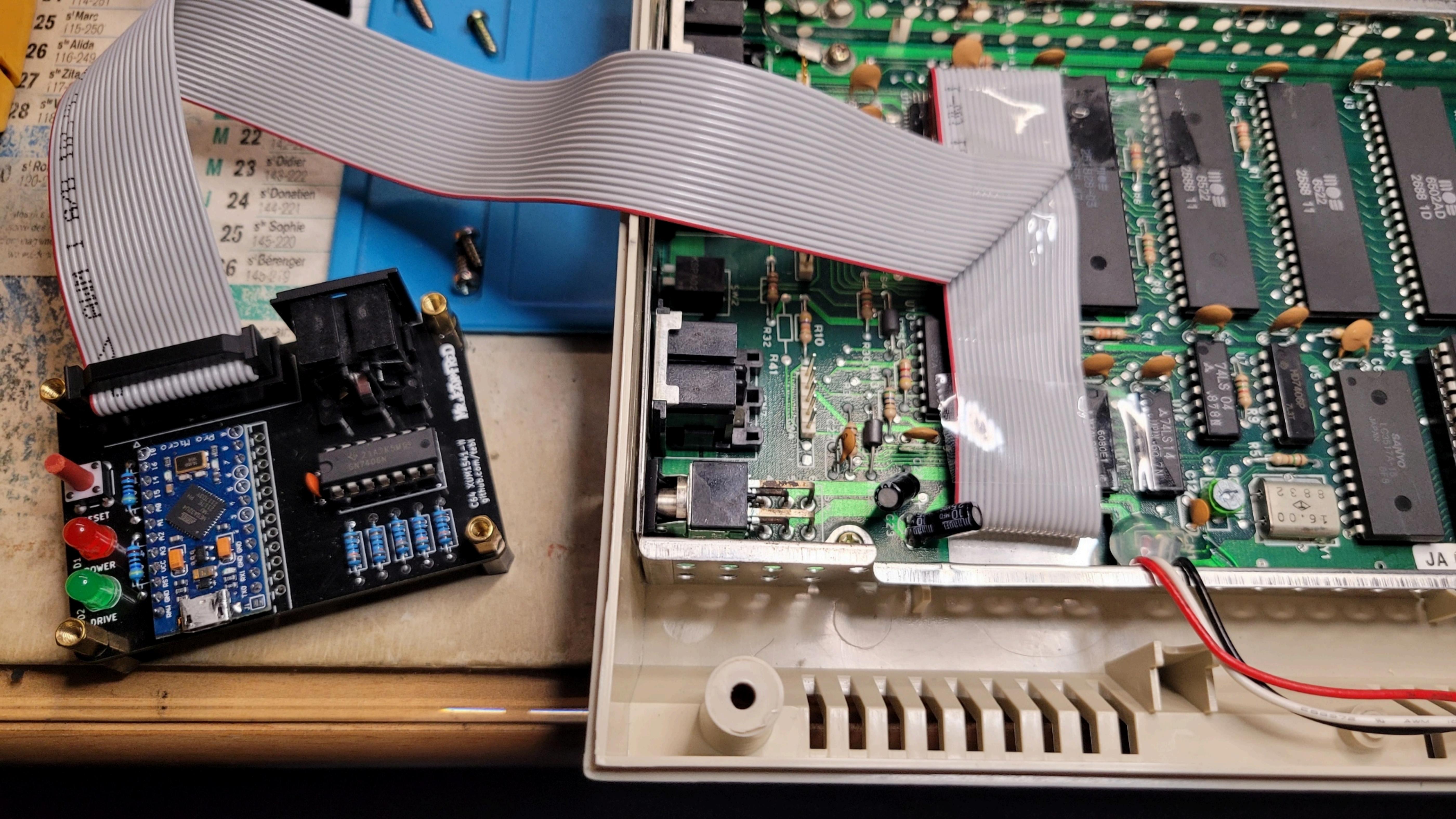
E14 T14 900E 36501 8/8

51

F016  
F018  
33  
51-52

52





SERIAL

INTERFACE

POWER

DEVICE

ON

OFF

O



