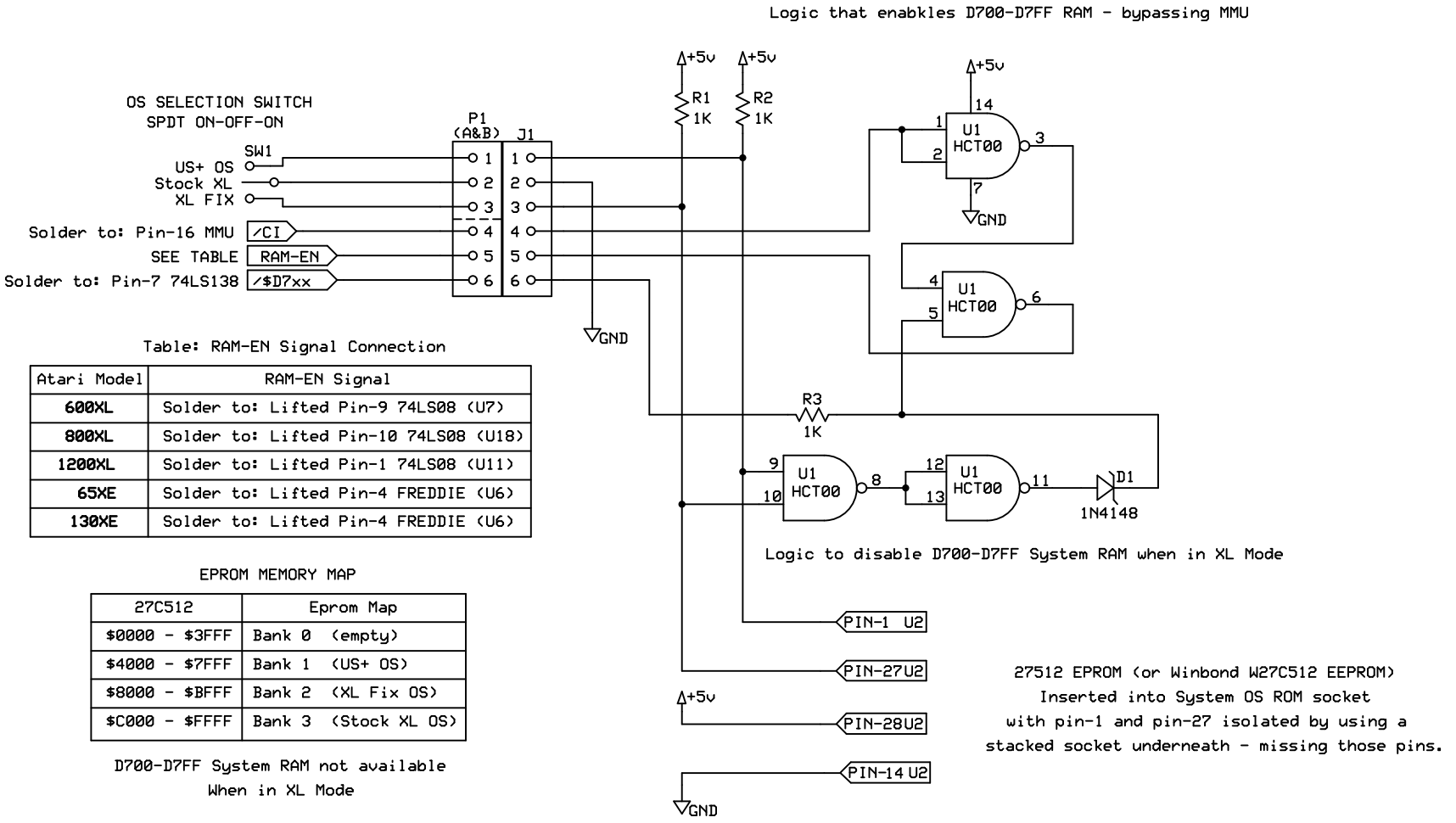


Table: RAM-EN Signal Connection

Atari Model	RAM-EN Signal
600XL	Solder to: Lifted Pin-9 74LS08 (U7)
800XL	Solder to: Lifted Pin-10 74LS08 (U18)
1200XL	Solder to: Lifted Pin-1 74LS08 (U11)
65XE	Solder to: Lifted Pin-4 FREDDIE (U6)
130XE	Solder to: Lifted Pin-4 FREDDIE (U6)

EPROM MEMORY MAP

27C512	Eprom Map
$0000 - $3FFF	Bank 0 (empty)
$4000 - $7FFF	Bank 1 (US+ OS)
$8000 - $BFFF	Bank 2 (XL Fix OS)
$C000 - $FFFF	Bank 3 (Stock XL OS)

D700-D7FF System RAM not available
When in XL Mode

27512 EPROM (or Winbond W27C512 EEPROM)
Inserted into System OS ROM socket
with pin-1 and pin-27 isolated by using a
stacked socket underneath - missing those pins.

BILL of MATERIALS

QTY	ID	DESCRIPTION	JAMECO P/N
1	U1	74HCT00 QUAD NAND GATE	46252
1	U2	27512 (64x8) EPROM	40168
2	U2	28 Machine Pin Socket	40329
1	R1-R3	1K 1/4 Watt (10 Pack)	690865
1	D1	1N4148 DIODE (10 pack)	151247
1	J1	0.1" R/A Pin Header	103271
2	P1	0.1" Dupont 3-pin Cable	2521511
1	SW1	SPDT ON-OFF-ON Switch	21910

REQUIRES 0.8mm THICK UltraOS+ 3in1 PCB

Reference CSS UltraSpeed Plus Manual for Operational Details.

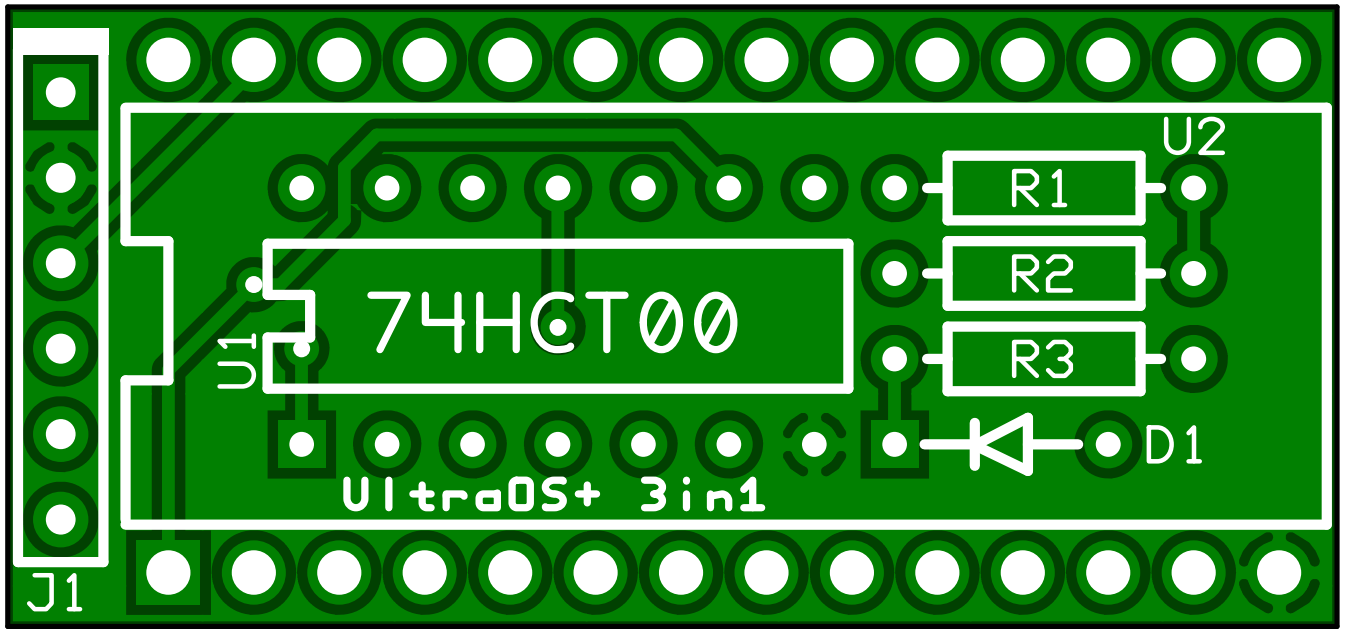
But use Connection Charts in this Schematic for Installation.

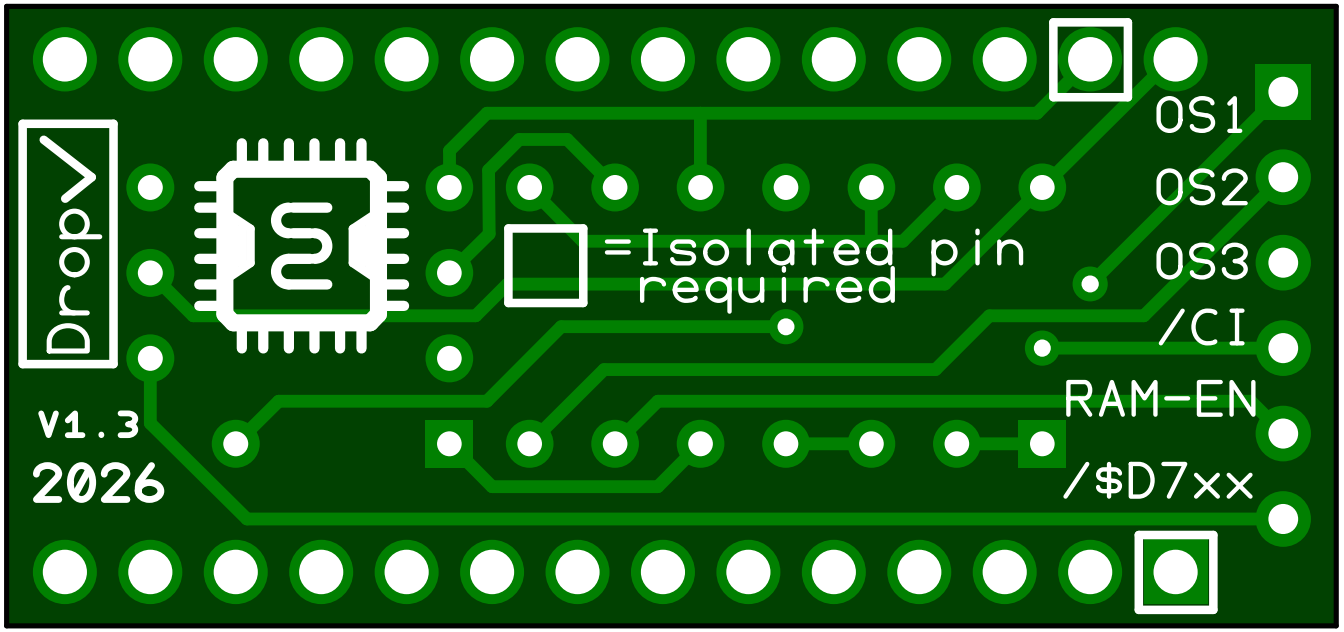
If your OS ROM is not Socketed, add P/N: 40301 to your Jameco Order.

UltraOS+ 3in1 MODULE

Switchable 3 OS+D7XX RAM

DropCheck/Mytek	Version 1.3 10/26/2026	ROM Switcher


U2
R1
R2
R3
74HCT00
U1
D1
UltraOS+ 3in1
J1


DropV
V1.3
2026
=Isolated pin required
OS1
OS2
OS3
/CI
RAM-EN
/$D7xx