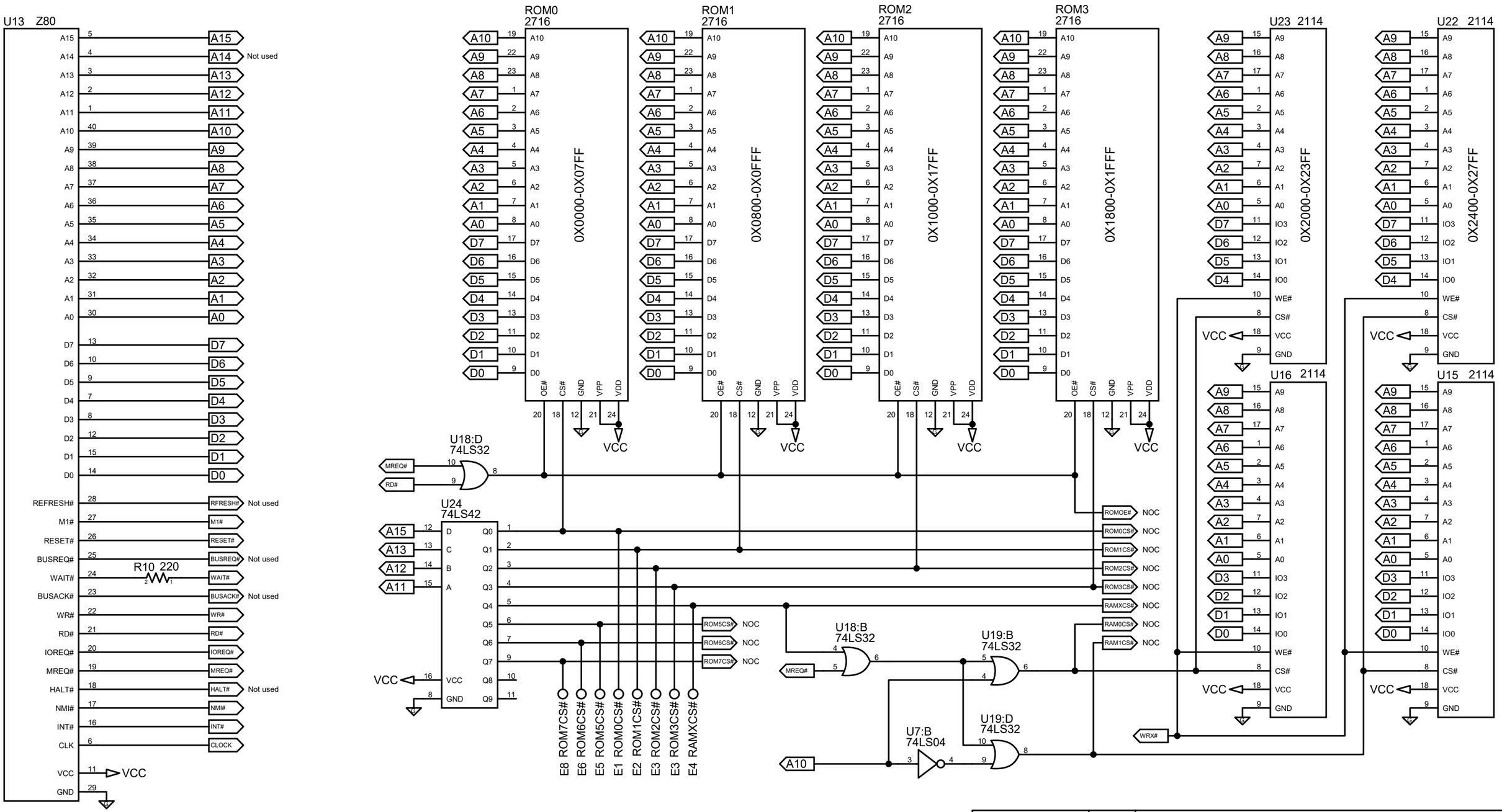
NOTES: UNLESS OTHERWISE SPECIFIED

REVISION HISTORY			
REV	DESCRIPTION	APPROVED	DATE
B	Initial release	J Taylor	2025/02/25



APPROVALS	DATE
DRAWN J TAYLOR	2025/02/25
CHECKED	
ENGINEER	
PROJ ENGINEER	
APPROVED	
QA	

TITLE: CPU / ROM AND RAM DECODE

SIZE	FSCM NO.	DRAWING NO.	REV.
B		MD-SBC1	B

SCALE NONE | © 2025 TES | MODIFIED: 3/2/2025 11:24:13 PM | SHEET 1 OF 3

NOTES: UNLESS OTHERWISE SPECIFIED

INPUT

OUTPUT

U9 74LS244 — INXEN#

U1 74LS240 — IN1EN#

U2 74LS240 — IN0EN#

U8 74LS244

U5 74LS175 — OUT2CLK

U12 74LS175

U4 74LS175

U11 74LS175 — OUT1CLK

U3 74LS175

U10 74LS175 — OUT0CLK, OUTRST#

J1 — IN7BUFF, IN6BUFF, IN5BUFF, IN4BUFF, IN3BUFF, IN2BUFF, IN1BUFF, IN0BUFF

P1

U18:C 74LS32 — IOEN#, WRX#

U19:C 74LS32 — RD#, A7, IOREQ#

U18:A 74LS32 — IOEN#

U14:C 74LS08

U19:A 74LS32 — M1#

U14:A 74LS08 — INXEN#, INYEN#

U20 74LS42 — A2, A1, A0; IN7EN#, IN6EN#, IN5EN#, IN4EN#, IN3EN#, IN2EN#, IN1EN#, IN0EN#

U21 74LS42 — A2, A1, A0; OUT7CLK, OUT6CLK, OUT5CLK, OUT4CLK, OUT3CLK, OUT2CLK, OUT1CLK, OUT0CLK

J2 — IN7EN#, IN6EN#, IN5EN#, IN4EN#, IN3EN#, IN2EN#; OUT7CLK, OUT6CLK, OUT5CLK, OUT4CLK, OUT3CLK, RSTOUT#

INPUT DECODE

OUTPUT DECODE

U14:D 74LS08 — WR#, WRX#

U6:A 74LS04 — OUTRST#

U6:B 74LS04 — OUTRSTX#

TPD TPY

TPC TPX

R12 4.7K — IN0BUFF, IN7BUFF, IN1BUFF

R11 4.7K — IN2BUFF, IN3BUFF, IN6BUFF, IN5BUFF, IN4BUFF

R4 4.7K — IN0-6, IN0-7, IN0-3, IN0-2, IN0-1

R3 4.7K — IN1-5, IN1-7, IN1-2, IN1-0, IN0-5

R1 4.7K — IN0-4, IN1-1, IN1-3, IN1-6, IN1-4

R2 4.7K — IN0-0

R5 4.7K — INT#

R7 4.7K — NMI#

R8 4.7K — WAIT#

R9 4.7K — CR1

R6 220 — RESET#

C4 4.7/10

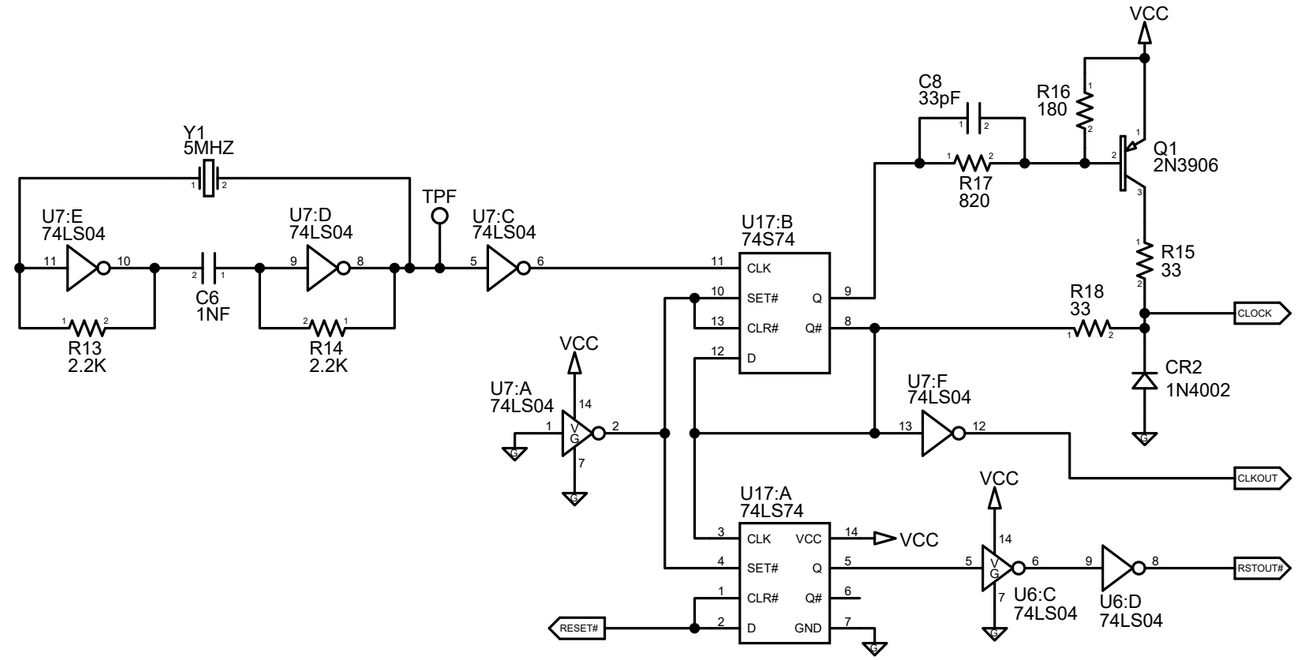
APPROVALS	DATE
DRAWN J TAYLOR	2025/02/25
CHECKED	
ENGINEER	
PROJ ENGINEER	
APPROVED	
QA	

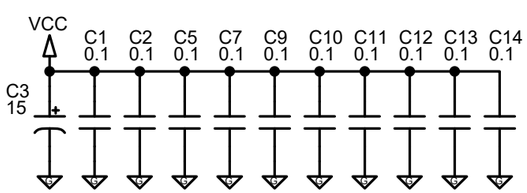
TITLE: INPUT/OUTPUT AND RESET EDGE CONNECTOR

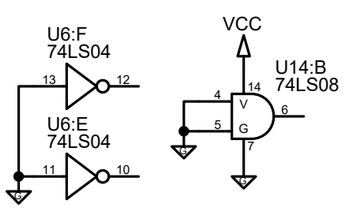
SIZE	FSCM NO.	DRAWING NO.	REV.
B		MD-SBC1	B

SCALE NONE | | MODIFIED: 3/2/2025 11:24:13 PM | SHEET 2 OF 3

NOTES: UNLESS OTHERWISE SPECIFIED







APPROVALS	DATE	TITLE
DRAWN J TAYLOR	2025/02/25	CLOCK GENERATION SPARES AND DECOUPLING
CHECKED		
ENGINEER		
PROJ ENGINEER		
APPROVED		
QA		

SIZE	FSCM NO.	DRAWING NO.	REV.
B		MD-SBC1	B

SCALE		MODIFIED:	SHEET
NONE		3/2/2025 11:24:13 PM	3 OF 3