8 bit Simple as possible Computer

1506023

Yasir Fatha Abed

Cp
Ep
Lp
Jp

Program Counter — 16 — Stack Pointer
INC
DEC
Es

Lm — MAR — 16 — 8 — Temporary Register
T0
T1
ST

16

RE
WE — RAM 64kB — 8 — 8 — ALU — FLAGs
A0
A1
A2
5

8   8

Hex KeyPad — 8 — A — La / Ea

4

Sn
Ein — Hexadecimal Keyboard Encoder — 8 — 8 — B — Lb / Eb

Li — IR — 8 — 8 — OUT — Lo

8

Controller / Sequencer

8

Hexadecimal Display

16 bit W BUS

24
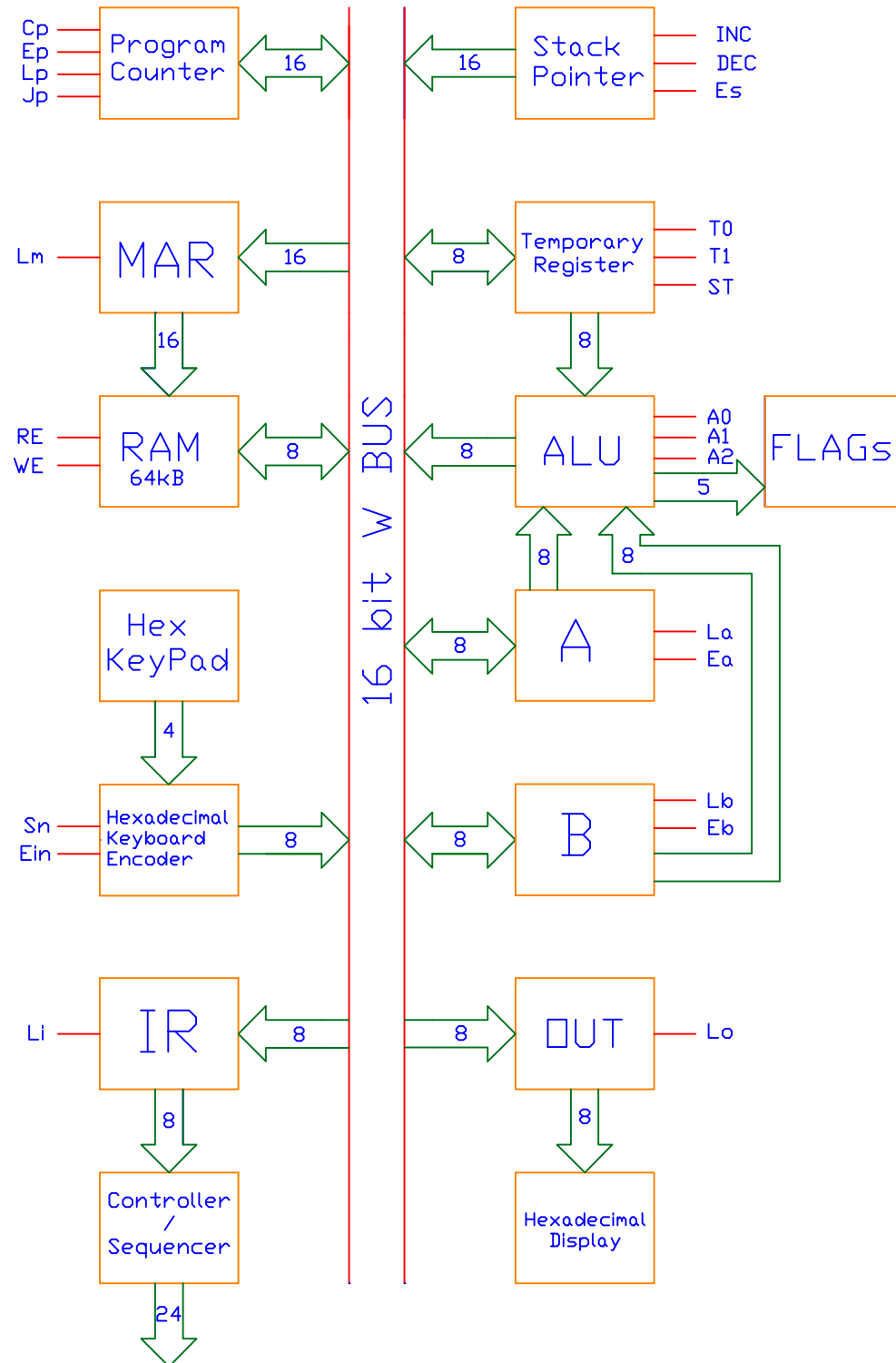
CON= Cp Ep Lp Jp
       Es T0 T1 ST

Lm RE WE Sn   Ein Li INC DEC
A0 A1 A2 La   Ea Lb Eb Lo