

PROGRAMMING THE Z80

EX (SP), HL Exchange HL with top of stack.

Function: (SP) \leftrightarrow L; (SP + 1) \leftrightarrow H

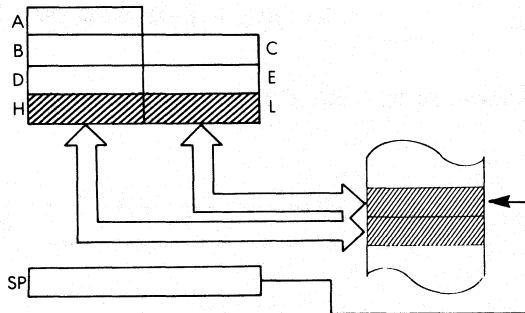
Format:

1	1	1	0	0	0	1	1
---	---	---	---	---	---	---	---

 E3

Description: The contents of the L register are exchanged with the contents of the memory location addressed by the stack pointer. The contents of the H register are exchanged with the contents of the memory location immediately following the one addressed by the stack pointer.

Data Flow:



Timing: 5 M cycles; 19 T states; 9.5 usec @ 2 MHz

Addressing Mode: Indirect.

Flags:

S	Z	H	P/V	N	C

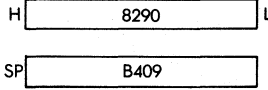
 (no effect).

THE Z80 INSTRUCTION SET

Example:

EX (SP), HL

Before:



After

