



**NOTES:**

- 1) Negative and positive directions are based on 'Tool' travel direction.
- 2) All dimensions and soft limits are defined relative to the G53 machine zero Origin position (B).
- 3) [HOME\_OFFSET] sets the zero Origin of the G53 machine coordinates (B) relative to the Homing Trip point (C).

**Figure 2. Demonstrative Shared Switch Layout**

C is the home switch trip point shared with (-L) minimum limit trip point.

B is the G53 machine coordinate Origin. (Distance from Origin to Home Trip Point. Can be zero, positive, or, negative.)

A is the negative soft limit. (Distance from Origin)

D is the positive soft limit. (Distance from Origin.)

H is the final home position. (HOME) (Distance from HOME\_OFFSET) = 3.00 units

B<->C is the home offset. (HOME\_OFFSET) = -0.07 units

A<->B is the negative soft limits. (MIN\_LIMITS) = 0.00 units

B<->D is the positive soft limits. (MAX\_LIMITS) = 10.00 units

A<->D is the total machine soft limits travel. = 10.00 units

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