



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 Origin*) = **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 soft limits total travel. = **10.00** units