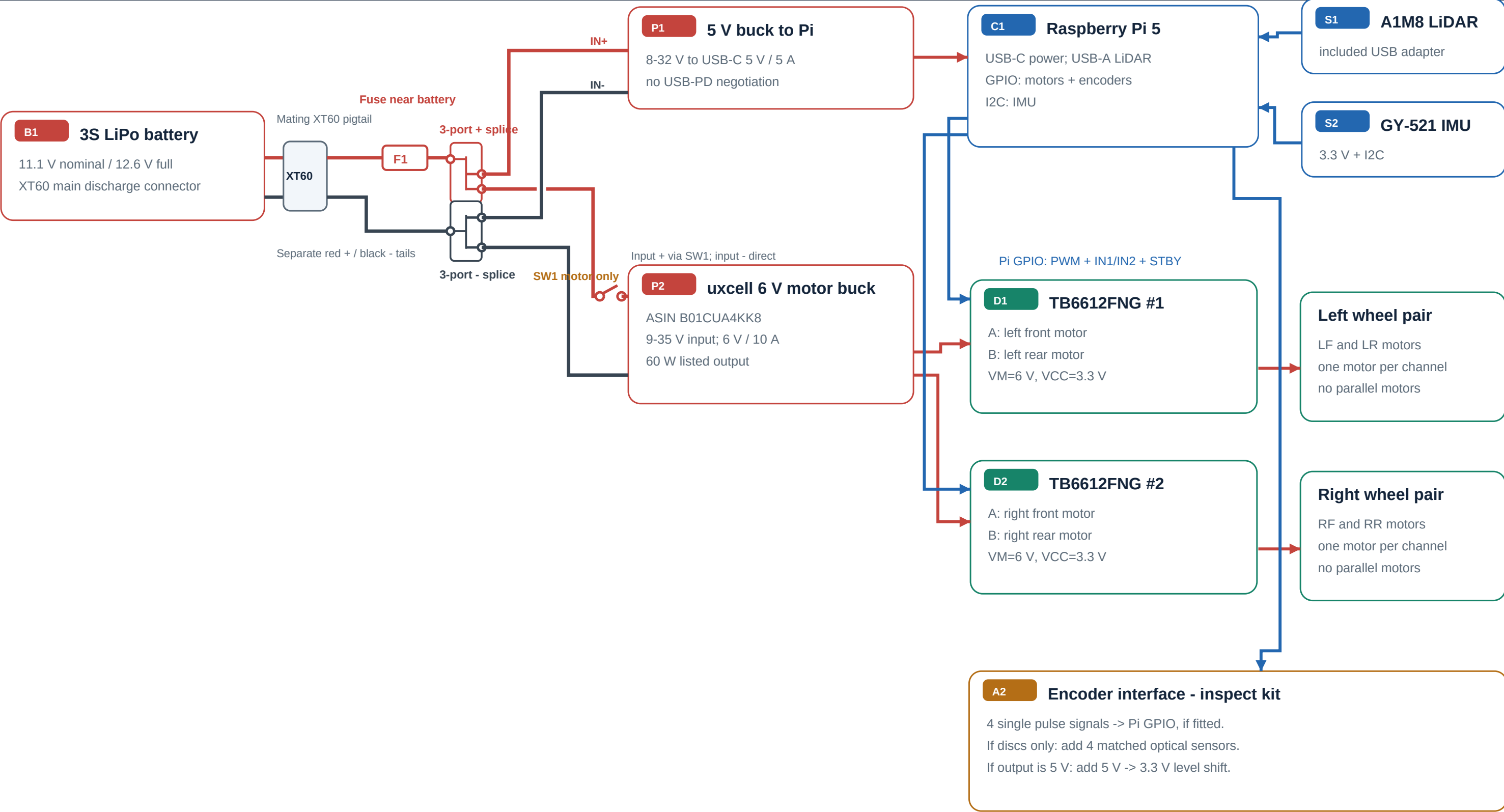


AUTONOMOUS 2D MAPPING ROBOT

3S battery | direct Raspberry Pi 5 control | 6 V motor buck



Power harness: the XT60 pigtail exposes two insulated tails. Red passes through F1 to its own 3-port splice, then feeds P1 input + and SW1 -> P2 input +. Black feeds a separate 3-port splice and both buck input - terminals. The small gap at the red/black crossing means no connection. Use one wire per splice port. Unplug XT60 for full disconnect.