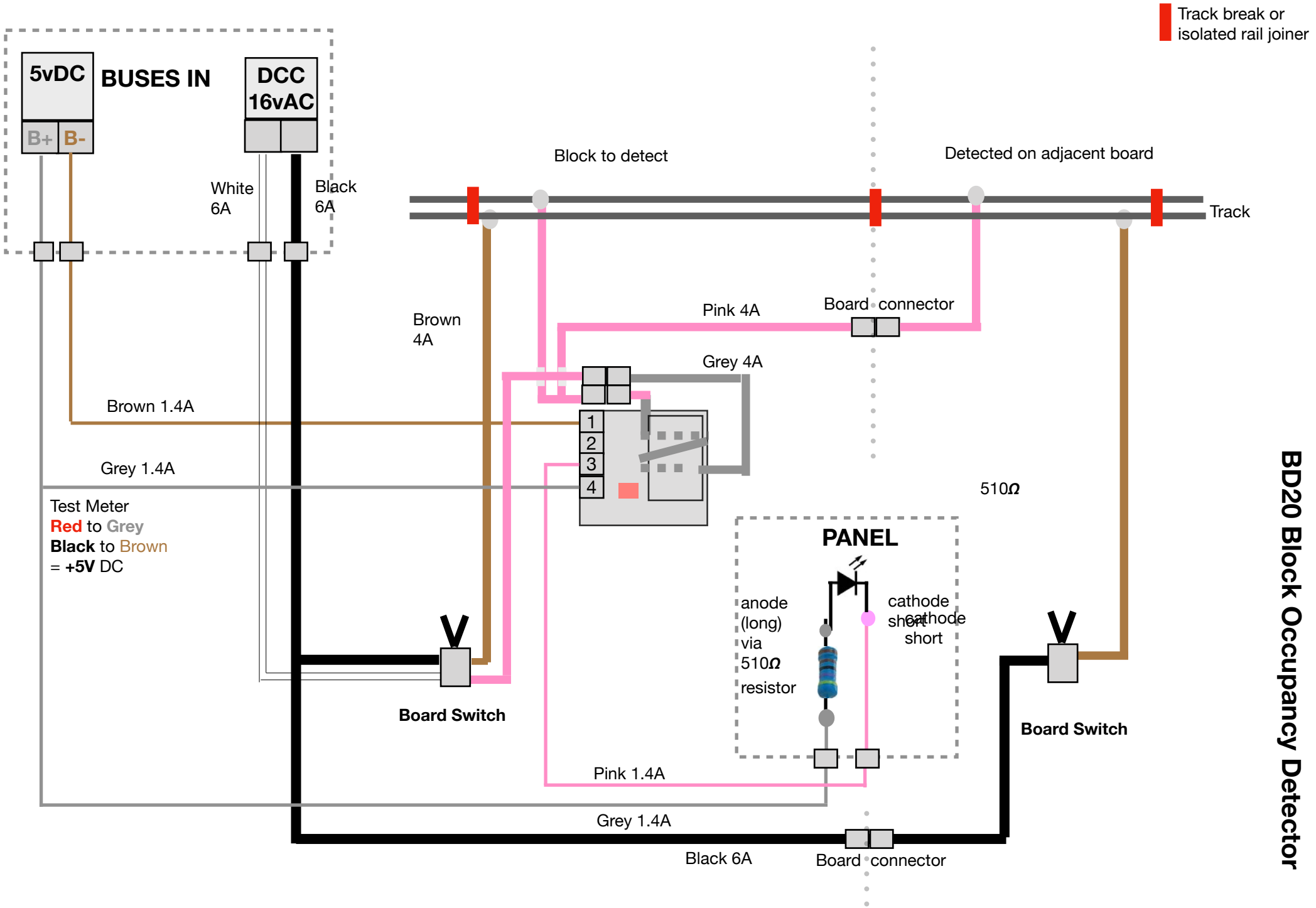BD20 Block Occupancy Detector