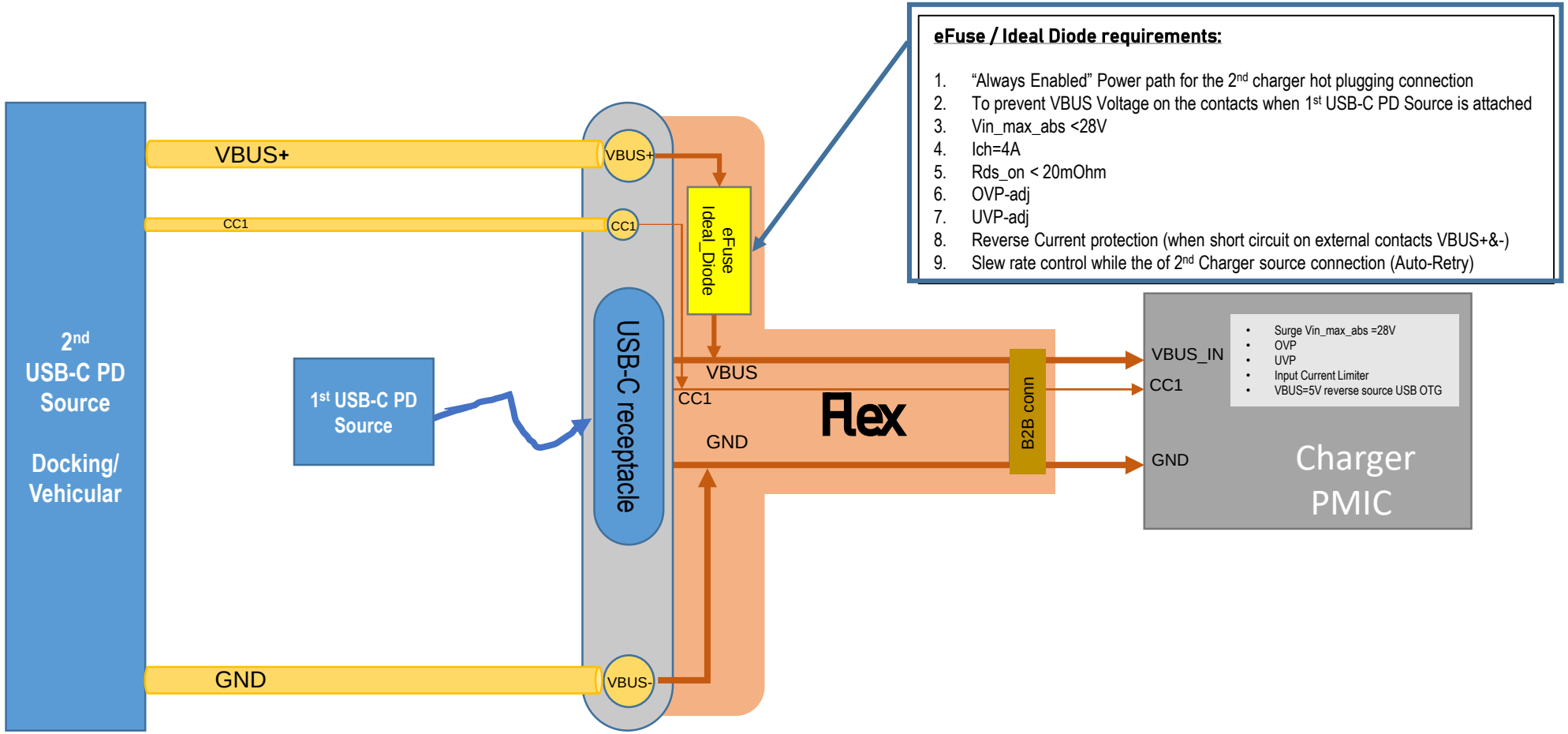
eFuse / Ideal Diode requirements:
1. "Always Enabled" Power path for the 2nd charger hot plugging connection
2. To prevent VBUS Voltage on the contacts when 1st USB-C PD Source is attached
3. Vin_max_abs <28V
4. Ich=4A
5. Rds_on < 20mOhm
6. OVP-adj
7. UVP-adj
8. Reverse Current protection (when short circuit on external contacts VBUS+&-)
9. Slew rate control while the of 2nd Charger source connection (Auto-Retry)
2nd USB-C PD Source
Docking/ Vehicular
VBUS+
CC1
GND
1st USB-C PD Source
USB-C receptacle
VBUS+
CC1
VBUS-
eFuse Ideal_Diode
VBUS
CC1
GND
Flex
B2B conn
VBUS_IN
CC1
GND
Surge Vin_max_abs =28V
OVP
UVP
Input Current Limiter
VBUS=5V reverse source USB OTG
Charger PMIC