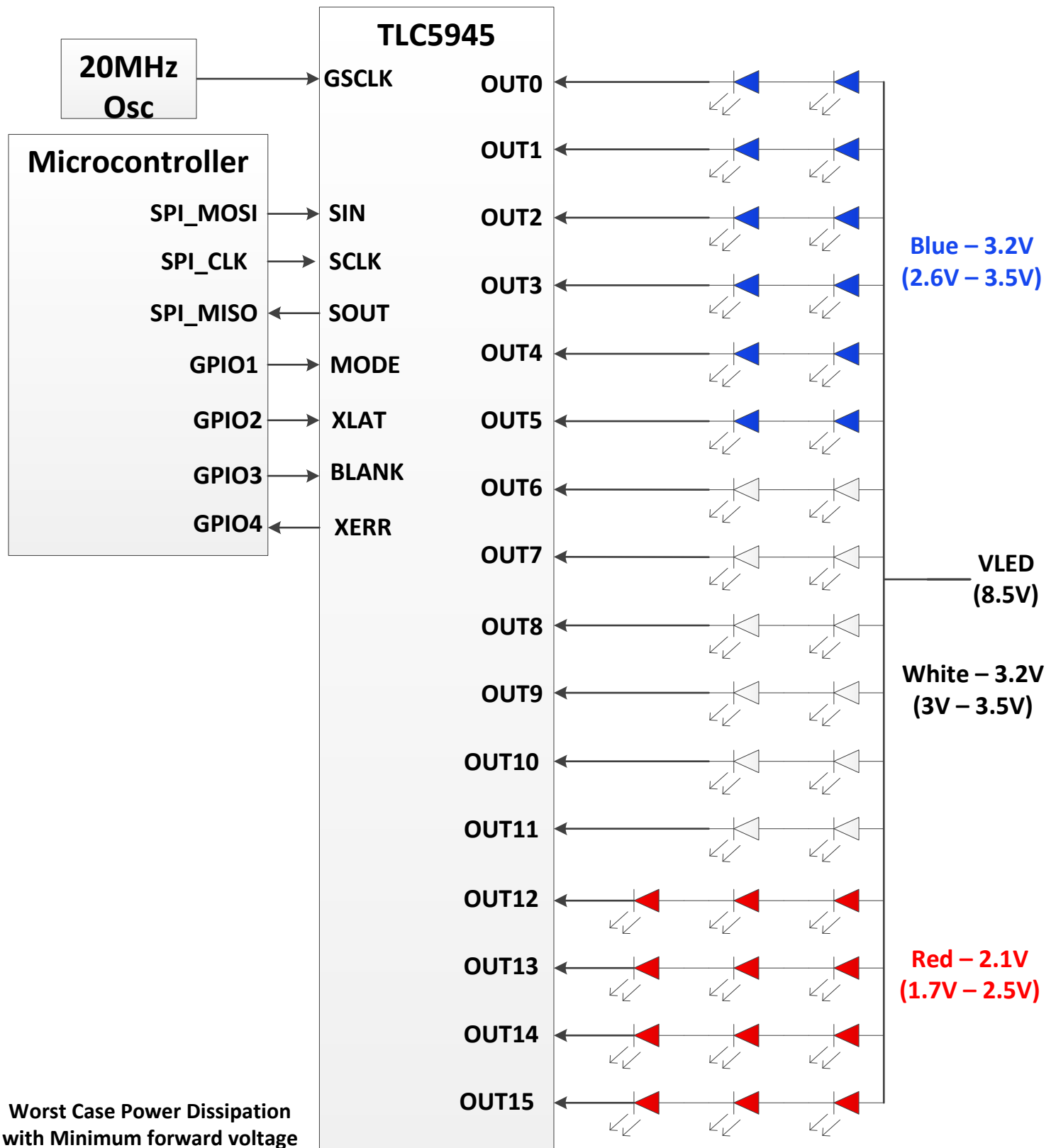




Max Output Voltage

Blue LED = $8.5 - 2.6 * 2 = 3.3V$

White LED = $8.5 - 3 * 2 = 2.5V$

Red LED = $8.5 - 1.7 * 3 = 3.4V$

Max Power Dissipation

Blue LED = $3.3V * 6Ch * 20mA = 396mW$

White LED = $2.5V * 6Ch * 20mA = 300mW$

Red LED = $3.4V * 4Ch * 20mA = 272mW$

Only two colors can be ON at a time. So worst case power dissipation will be $396 + 300 = 696mW$ when Blue and White are ON.