

$$\begin{aligned}
V_{PC0[A_0]}(Right) &= 5V \cdot \frac{0}{R_2 + 0} = 0V \\
V_{PC0[A_0]}(Up) &= 5V \cdot \frac{330\Omega}{330\Omega + 3k\Omega} = 0.495V \\
V_{PC0[A_0]}(Down) &= 5V \cdot \frac{950\Omega}{950 + 3k\Omega} = 1.203V \\
V_{PC0[A_0]}(Left) &= 5V \cdot \frac{1950\Omega}{1950\Omega + 3k\Omega} = 1.970V \\
V_{PC0[A_0]}(Select) &= 5V \cdot \frac{5250\Omega}{5250\Omega + 3k\Omega} = 3.182V
\end{aligned} \tag{1}$$