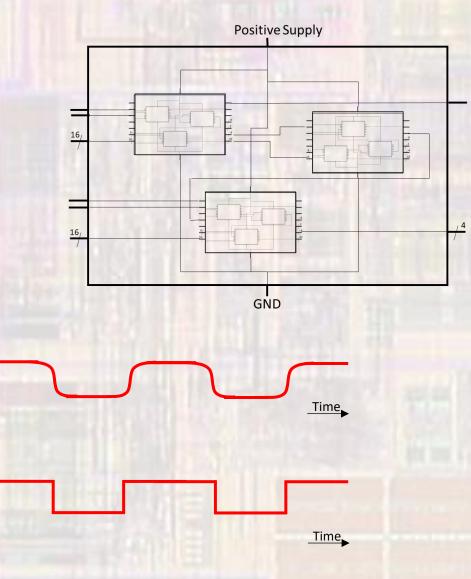
Last updated 10/3/24

These slides introduce basic digital concepts

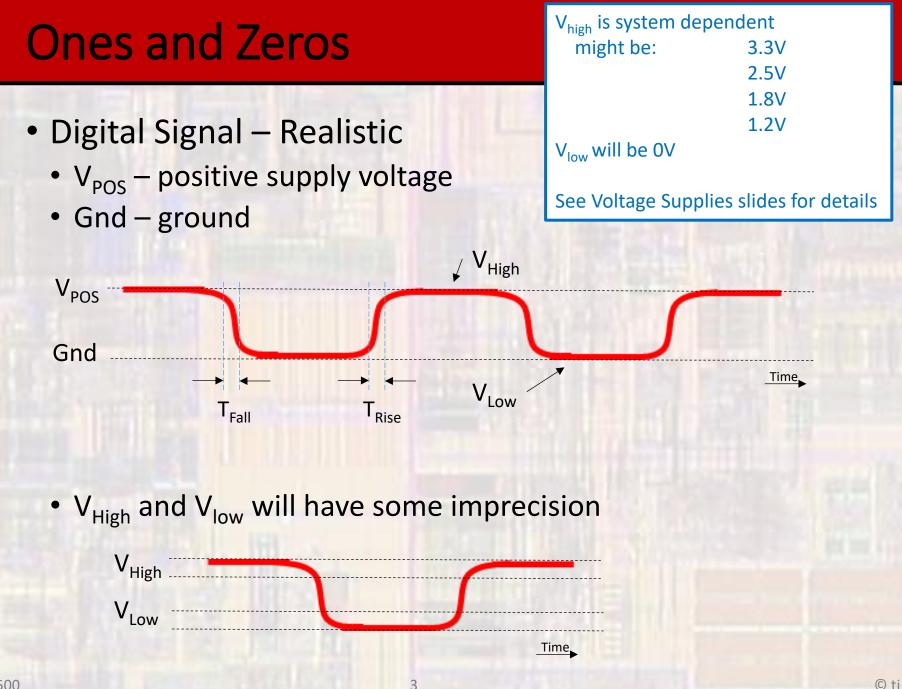
- Digital Systems
 - Medium wires
 - Carrier voltage
 - Format Continuous Time
 - Discrete Values



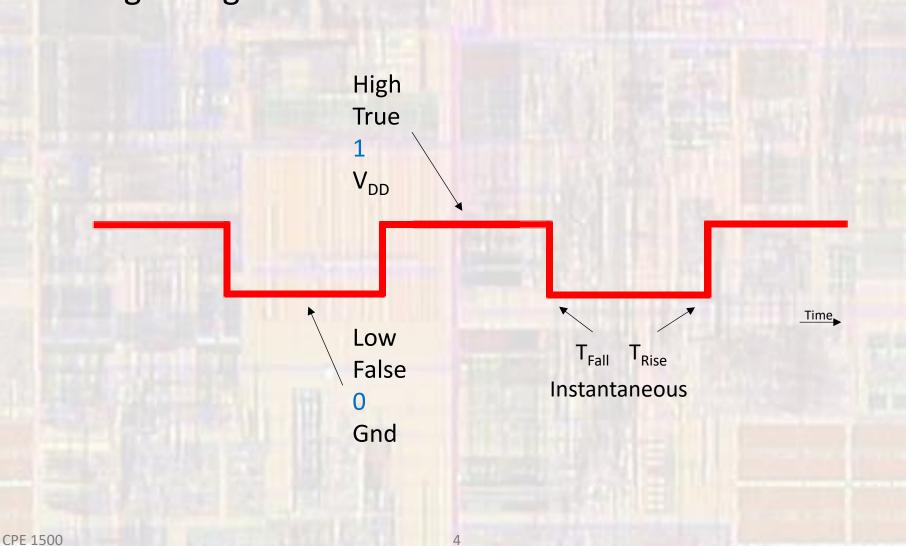
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• Realistic Signal

Ideal (abstracted) Signal



Digital Signal – Abstracted



- Digital Signal Additional Terminology
 - Set force a digital signal High (1)
 - Reset force a digital signal Low (0)
 - Active High the signals action occurs when High (1)
 - The vend signal is active high for the candy machine
 - Active Low the signals action occurs when Low (0)
 - The led_on signal is active low for the seven-segment display