

**Lab Reference: F28069 controlSTICK Header Pin Diagram**

<b>1</b> <b>ADC-A6</b> <b>COMP3 (+VE)</b>	<b>2</b> <b>ADC-A2</b> <b>COMP1 (+VE)</b>	<b>3</b> <b>ADC-A0</b>	<b>4</b> <b>3V3</b>
<b>5</b> <b>ADC-A4</b> <b>COMP2 (+VE)</b>	<b>6</b> <b>ADC-B1</b>	<b>7</b> <b>EPWM-4B</b> <b>GPIO-07</b>	<b>8</b> <b>TZ1</b> <b>GPIO-12</b>
<b>9</b> <b>SCL-A</b> <b>GPIO-33</b>	<b>10</b> <b>ADC-B6</b> <b>COMP3 (-VE)</b>	<b>11</b> <b>EPWM-4A</b> <b>GPIO-06</b>	<b>12</b> <b>ADC-A1</b>
<b>13</b> <b>SDA-A</b> <b>GPIO-32</b>	<b>14</b> <b>ADC-B0</b>	<b>15</b> <b>EPWM-3B</b> <b>GPIO-05</b>	<b>16</b> <b>5V0</b> <b>(Disabled by</b> <b>Default)</b>
<b>17</b> <b>EPWM-1A</b> <b>GPIO-00</b>	<b>18</b> <b>ADC-B4</b> <b>COMP2 (-VE)</b>	<b>19</b> <b>EPWM-3A</b> <b>GPIO-04</b>	<b>20</b> <b>SPISOMI-A</b> <b>GPIO-17</b>
<b>21</b> <b>EPWM-1B</b> <b>GPIO-01</b>	<b>22</b> <b>ADC-A5</b>	<b>23</b> <b>EPWM-2B</b> <b>GPIO-03</b>	<b>24</b> <b>SPISIMO-A</b> <b>GPIO-16</b>
<b>25</b> <b>SPISTE-A</b> <b>GPIO-19</b>	<b>26</b> <b>ADC-B2</b> <b>COMP1 (-VE)</b>	<b>27</b> <b>EPWM-2A</b> <b>GPIO-02</b>	<b>28</b> <b>GND</b>
<b>29</b> <b>SPICLK-A</b> <b>GPIO-18</b>	<b>30</b> <b>GPIO-34</b> <b>(LED)</b>	<b>31</b> <b>PWM1A-DAC</b> <b>(Filtered)</b>	<b>32</b> <b>GND</b>