### C1
**PCM 50 Way**

#### Wire to Pin Color Gauge Circuit Function Circuit Connector Pin

<table>
<thead>
<tr>
<th>Pin</th>
<th>Wire Color</th>
<th>Gauge</th>
<th>Circuit Function</th>
<th>Circuit</th>
<th>Connector</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>BK/WH</td>
<td>20</td>
<td>Trans Speed 0v</td>
<td>C5</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BU/WH</td>
<td>20</td>
<td>LA 1 Nernst Volt VS</td>
<td>C3</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>WH/BK</td>
<td>20</td>
<td>Trans Speed Signal</td>
<td>C5</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>PPL</td>
<td>20</td>
<td>LA 1 Virtual Ground</td>
<td>C3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>LT GN</td>
<td>20</td>
<td>LA 2 Trim</td>
<td>C4</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>GN</td>
<td>20</td>
<td>LA 1 Trim</td>
<td>C3</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>LT BU</td>
<td>20</td>
<td>Clutch BTM / Neut Saftey</td>
<td>C6</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>GN</td>
<td>20</td>
<td>Clutch Top of Travel</td>
<td>C6</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>BK</td>
<td>20</td>
<td>LA 1 Heater Control</td>
<td>C3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>BN</td>
<td>20</td>
<td>LA 2 Pump Current IP</td>
<td>C4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>WH</td>
<td>20</td>
<td>LA 1 Pump Current IP</td>
<td>C3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>BK</td>
<td>20</td>
<td>LA 2 Heater Control</td>
<td>C4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>BU</td>
<td>20</td>
<td>LA 2 Nernst Volt VS</td>
<td>C4</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>GY</td>
<td>20</td>
<td>LA 2 Virtual Ground</td>
<td>C4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>OG</td>
<td>20</td>
<td>Trans Speed Vref</td>
<td>C5</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

### C2
**Lambda Power**

#### Wire to Pin Color Gauge Circuit Function Circuit Connector Pin

<table>
<thead>
<tr>
<th>Pin</th>
<th>Wire Color</th>
<th>Gauge</th>
<th>Circuit Function</th>
<th>Circuit</th>
<th>Connector</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red</td>
<td>20</td>
<td>LA1 Heater Power (Spliced in Terminal)</td>
<td>C3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Red</td>
<td>20</td>
<td>LA2 Heater Power (Spliced in Terminal)</td>
<td>C4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
### C3 Lambda 1 UEGO

<table>
<thead>
<tr>
<th>Pin</th>
<th>Wire</th>
<th>Color</th>
<th>Gauge</th>
<th>Circuit Function</th>
<th>Circuit</th>
<th>Connector</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WH</td>
<td>20</td>
<td></td>
<td>LA 1 Pump Current IP</td>
<td>C1</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PPL</td>
<td>20</td>
<td></td>
<td>LA 1 Virtual Ground</td>
<td>C1</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BK</td>
<td>20</td>
<td></td>
<td>LA 1 Heater Control</td>
<td>C1</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>RD</td>
<td>20</td>
<td></td>
<td>Heater Power</td>
<td>C2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GN</td>
<td>20</td>
<td></td>
<td>LA 1 Trim</td>
<td>C1</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>BU/WH</td>
<td>20</td>
<td></td>
<td>LA 1 Nernst Volt VS</td>
<td>C1</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### C4 Lambda 2 UEGO

<table>
<thead>
<tr>
<th>Pin</th>
<th>Wire</th>
<th>Color</th>
<th>Gauge</th>
<th>Circuit Function</th>
<th>Circuit</th>
<th>Connector</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BN</td>
<td>20</td>
<td></td>
<td>LA 2 Pump Current IP</td>
<td>C1</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>GY</td>
<td>20</td>
<td></td>
<td>LA 2 Virtual Ground</td>
<td>C1</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BK</td>
<td>20</td>
<td></td>
<td>LA 2 Heater Control</td>
<td>C1</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>RD</td>
<td>20</td>
<td></td>
<td>Heater Power</td>
<td>C2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>LT GN</td>
<td>20</td>
<td></td>
<td>LA 2 Trim</td>
<td>C1</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>BU</td>
<td>20</td>
<td></td>
<td>LA 2 Nernst Volt VS</td>
<td>C1</td>
<td>39</td>
<td></td>
</tr>
</tbody>
</table>

### C5 Trans Speed

<table>
<thead>
<tr>
<th>Pin</th>
<th>Wire</th>
<th>Color</th>
<th>Gauge</th>
<th>Circuit Function</th>
<th>Circuit</th>
<th>Connector</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>OG</td>
<td>20</td>
<td></td>
<td>V Ref</td>
<td>C1</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>WH/BK</td>
<td>20</td>
<td></td>
<td>Signal</td>
<td>C1</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BK/WH</td>
<td>20</td>
<td></td>
<td>Ov</td>
<td>C1</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### C6 PDB Trans I/F

<table>
<thead>
<tr>
<th>Pin</th>
<th>Wire</th>
<th>Color</th>
<th>Gauge</th>
<th>Circuit Function</th>
<th>Circuit</th>
<th>Connector</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>LT BU</td>
<td>20</td>
<td></td>
<td>Clutch Bottom Travel</td>
<td>C1</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>GN</td>
<td>20</td>
<td></td>
<td>Clutch Top Travel</td>
<td>C1</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>