## ENVIRONMENTAL

THE AP1120 IS COMPLIANT WITH THE FOLLOWING DC-1600 ENVIRONMENTAL CATEGORIES AT THIS REVISION.

### SECTIONS

- **4.0 TEMPERATURE & ALTITUDE** (-45°C to 47°C & 25K FEET)
- **5.0 TEMPERATURE VARIATION**
- **6.0 HUMIDITY**
- **7.0 OPERATIONAL SHOCKS & CRASH SAFETY**
- **8.0 VIBRATION**
- **9.0 EXPLOSION PROOFNESS**
- **10.0 WATERPROOFNESS**
- **11.0 FLUID SUSCEPTIBILITY**
- **12.0 SAND & DUST**
- **13.0 MOISTURE RESISTANCE**
- **14.0 SALT SPRAY**
- **15.0 MAGNETIC EFFECT**
- **16.0 POWER INPUT**
- **17.0 VOLTAGE SPIKE**
- **18.0 AUDIO FREQUENCY CONDUCTED SUSCEPTIBILITY - POWER INPUTS**
- **19.0 INDUCTED SIGNAL SUSCEPTIBILITY**
- **20.0 RADIO FREQUENCY SUSCEPTIBILITY (RADIATED AND CONDUCTED)**
- **21.0 EMISSION OF RADIO FREQUENCY ENERGY**
- **22.0 LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY**
- **23.0 LIGHTNING DIRECT EFFECTS**
- **24.0 IONISING RADIATION**
- **25.0 ELECTROSTATIC DISCHARGE**

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### EXAMPLE RT ADDRESS CONFIG STRAPPING

<table>
<thead>
<tr>
<th>ADDRESS DECIMAL</th>
<th>ADDRESS BIT WEIGHTING (PIN NUMBER)</th>
<th>PARTITY BIT (PIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 (M)</td>
<td>4 (G)</td>
<td>#</td>
</tr>
<tr>
<td>6 (S)</td>
<td>2 (F)</td>
<td>#</td>
</tr>
<tr>
<td>3 (E)</td>
<td>1 (D)</td>
<td>#</td>
</tr>
<tr>
<td>#</td>
<td>#</td>
<td>#</td>
</tr>
</tbody>
</table>

### NOTE:

- (NUMBER) = D38999 Connector Pin Number
- # = Connect to Pin 2 (Binary 0)
- BLANK = Not Connected (Binary 1)

PARTITY INPUT SHOULD BE STRAPPED TO GND (D0) PARTY.