



| REVISIONS |      |          |
|-----------|------|----------|
| REV       | DATE | APPROVED |
|           |      |          |
|           |      |          |
|           |      |          |

### J1:DC Input/Output.

| 8-pin | Connector   | SPECIFICATIONS   |
|-------|-------------|------------------|
| Pin#  | Description | External Control |
| 1     | GND         |                  |
| 2     | +28V IN     | (18-30V)         |
| 3     | +28V IN     | (18-30V)         |
| 4     | GND         |                  |
| 5     | +28V OUT    | TO PA            |
| 6     | +28V OUT    | TO PA            |
| 7     | +28V OUT    | TO FANS          |
| 8     | GND         |                  |

### J2:Analog sensor voltage input.

| 20-pin | Connector    | SPECIFICATIONS   | 20-pin | Connector   | SPECIFICATIONS   |
|--------|--------------|------------------|--------|-------------|------------------|
| Pin#   | Description  | External Control | Pin#   | Description | External Control |
| 1      | IN POW.DET.  | (0-3V)           | 11     | N/C         |                  |
| 2      | FWD POW.DET. | (0-3V)           | 12     | N/C         |                  |
| 3      | REV POW.DET. | (0-3V)           | 13     | N/C         |                  |
| 4      | TEMP SENS.   | (10mV/°C)        | 14     | N/C         |                  |
| 5      | N/C          |                  | 15     | N/C         |                  |
| 6      | N/C          |                  | 16     | N/C         |                  |
| 7      | N/C          |                  | 17     | VVA CONT.   | (0-5V)           |
| 8      | N/C          |                  | 18     | N/C         |                  |
| 9      | N/C          |                  | 19     | GND         |                  |
| 10     | N/C          |                  | 20     | GND         |                  |

### J3:Digital Control Input/Output.

| 20-pin | Connector   | SPECIFICATIONS   | 20-pin | Connector   | SPECIFICATIONS         |
|--------|-------------|------------------|--------|-------------|------------------------|
| Pin#   | Description | External Control | Pin#   | Description | External Control       |
| 1      | N/C         |                  | 11     | N/C         |                        |
| 2      | N/C         |                  | 12     | N/C         |                        |
| 3      | N/C         |                  | 13     | EN/DS OUT   | 0-Enable<br>5V-Disable |
| 4      | N/C         |                  | 14     | N/C         |                        |
| 5      | N/C         |                  | 15     | N/C         |                        |
| 6      | N/C         |                  | 16     | N/C         |                        |
| 7      | N/C         |                  | 17     | N/C         |                        |
| 8      | N/C         |                  | 18     | N/C         |                        |
| 9      | N/C         |                  | 19     | GND         |                        |
| 10     | N/C         |                  | 20     | GND         |                        |

### J5:Com port.

| 10-pin | Connector   | SPECIFICATIONS   |
|--------|-------------|------------------|
| Pin#   | Description | External Control |
| 1      | RS232-TX    |                  |
| 2      | RS232-RX    |                  |
| 3      | GND         |                  |
| 4      | RS422-RX+   |                  |
| 5      | RS422-RX-   |                  |
| 6      | GND         |                  |
| 7      | RS422-TX+   |                  |
| 8      | RS422-TX-   |                  |
| 9      | GND         |                  |
| 10     | GND         |                  |

### J6: LCD Interface.

| 8-pin | Connector      | SPECIFICATIONS   |
|-------|----------------|------------------|
| Pin#  | Description    | External Control |
| 1     | N/C            |                  |
| 2     | N/C            |                  |
| 3     | RS232-TX DISP. |                  |
| 4     | RS232-RX DISP. |                  |
| 5     | +5V            |                  |
| 6     | GND            |                  |
| 7     | +5V            |                  |
| 8     | GND            |                  |

|  |  |
|--|--|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>ANGLES<br>± 1°<br>TREATMENT<br>FINISH<br>MATERIAL | DECIMALS<br>X ± .05<br>XX ± .01<br>XXX ± .003<br>✓ 63<br>✓ |
|--|--|

|              |             |                 |
|--------------|-------------|-----------------|
| CONTRACT NO. | APPROVALS   | DATE            |
|              | DRAWN Sivak | 12/12           |
| CHECKED      | ENG.        | DESIGN ACTIVITY |

|                                |                    |                     |
|--------------------------------|--------------------|---------------------|
| <b>G-Way Microwave</b>         |                    |                     |
| TITLE<br>Control Board Outline |                    |                     |
| SIZE<br>A                      | CAGE CODE<br>3K1H4 | DWG NO.<br>CB-00-01 |
| SCALE<br>None                  |                    | REV.<br>0           |
|                                |                    | SHEET 1 OF 1        |