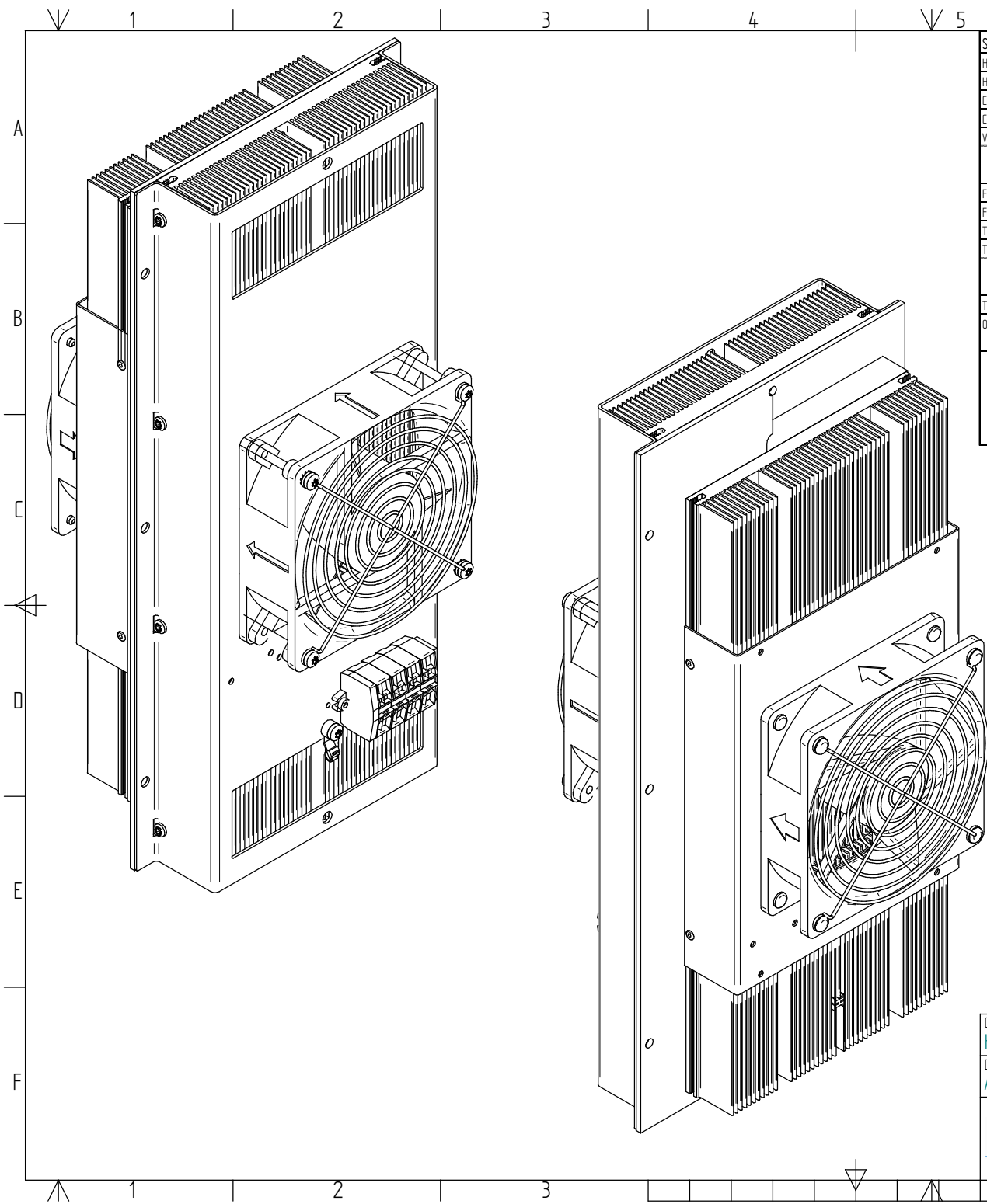
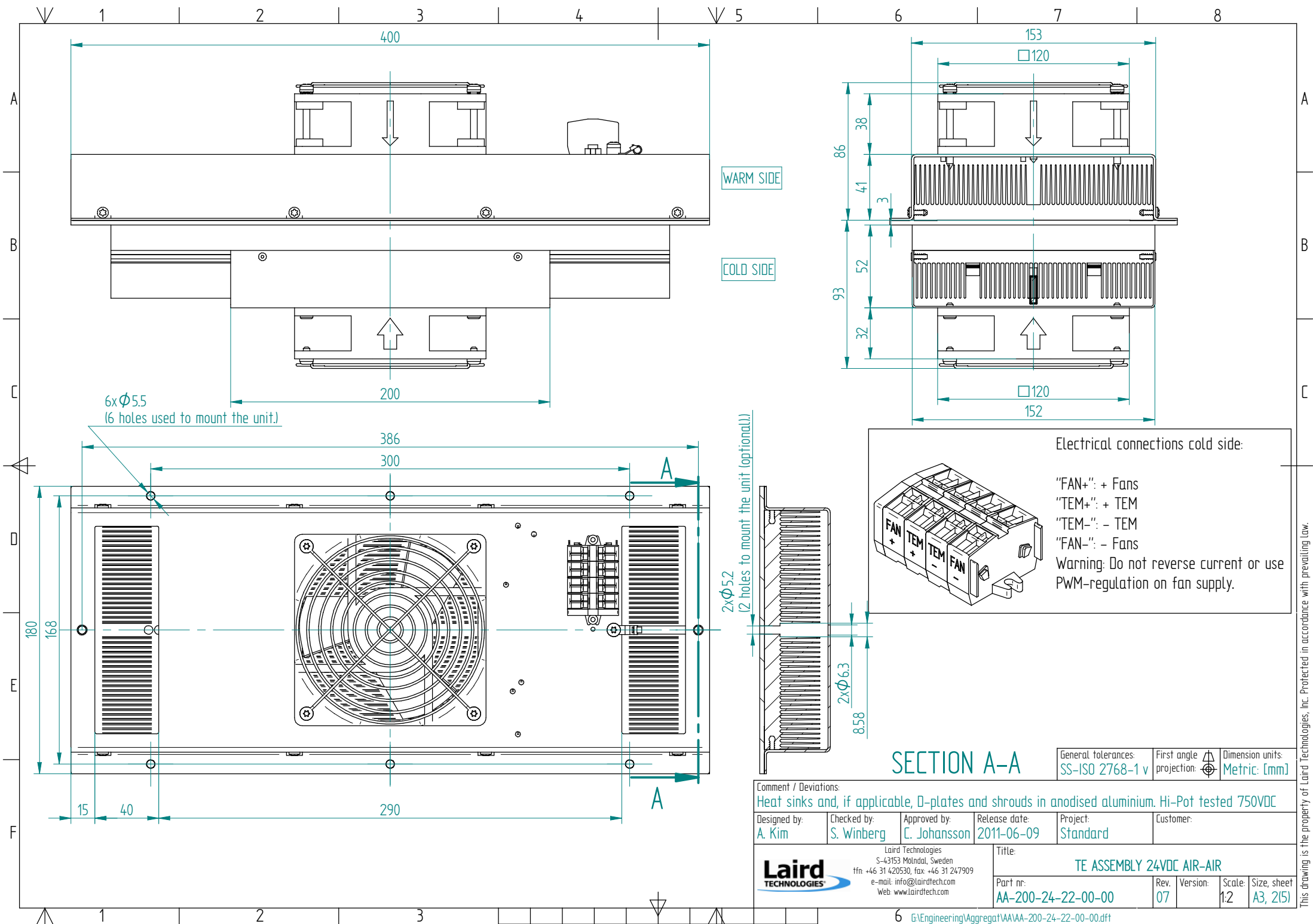




| Specification: (Ta=32°C)                    | Code: | Description:                                                                   |
|---------------------------------------------|-------|--------------------------------------------------------------------------------|
| Heat transfer, cold side:                   | A     | Air                                                                            |
| Heat transfer, warm side:                   | A     | Air                                                                            |
| Cascade:                                    | -     |                                                                                |
| Cooling power: [W]                          | 200   | 195 W at dT=0°C. Tolerance: ±10%.                                              |
| Voltage, nominal: [VDC]                     | 24    | 24 VDC                                                                         |
| TEM Voltage: [VDC]                          |       | Nominal: 24 VDC, Max: 30 VDC.                                                  |
| TEM Current: [A]                            |       | Nominal: 12 A, Initial: 15.6 A. All at dT=0°C. Tolerance: ±10%.                |
| Fans, cold side:                            | 2     | L10: 50,000 hrs. at 25°C. Nominal current: 0.25A. Voltage: 24VDC ±10%          |
| Fans, warm side:                            | 2     | L10: 70,000 hrs. at 40°C. Nominal current: 0.48 A. Voltage range 16-30VDC IP54 |
| Temperature controller, sensor:             | 0     | -                                                                              |
| Temperature control settings, trim options: | 0     | -                                                                              |
| Additional controller information:          |       |                                                                                |
| Temperature control position:               | 0     | -                                                                              |
| Options:                                    | 0     | -                                                                              |
| Overheating thermostat:                     |       | 80°C ±5°C on both hot and cold side heat sink surface, inside the cooler(2x).  |
| Operating temperature:                      |       | -10°C to +48°C                                                                 |
| TE-Module temperature specification:        |       | Max surface temperature: 80°C.                                                 |
| Enclosed:                                   |       | -                                                                              |
| Packing:                                    |       | individual cardboard box.                                                      |

|                                        |                            |                                         |
|----------------------------------------|----------------------------|-----------------------------------------|
| General tolerances:<br>SS-ISO 2768-1 v | First angle<br>projection: | Dimension units:<br><b>Metric: [mm]</b> |
|----------------------------------------|----------------------------|-----------------------------------------|

|                                                                                                                                                     |                           |                              |                                     |                      |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|-------------------------------------|----------------------|---------------------------------------------|
| Comment / Deviations:<br>Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. Hi-Pot tested 750VDC                            |                           |                              |                                     |                      |                                             |
| Designed by:<br>A. Kim                                                                                                                              | Checked by:<br>S. Winberg | Approved by:<br>C. Johansson | Release date:<br>2011-06-09         | Project:<br>Standard | Customer:                                   |
| <br>Laird Technologies<br>S-43153 Molndal, Sweden<br>tfn: +46 31 420530, fax: +46 31 247909<br>e-mail: info@lairdtech.com<br>Web: www.lairdtech.com |                           |                              | Title:<br>TE ASSEMBLY 24VDC AIR-AIR |                      |                                             |
|                                                                                                                                                     |                           |                              | Part nr:<br>AA-200-24-22-00-00      | Rev.<br>07           | Version: Scale: Size, sheet<br>1:2 A3, 1(5) |



# Thermoelectric AIR conditioner - AA-200-24-22-00-00

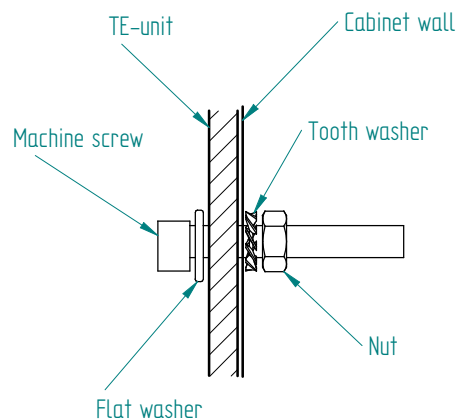
## Installation and Service manual

### Installation:

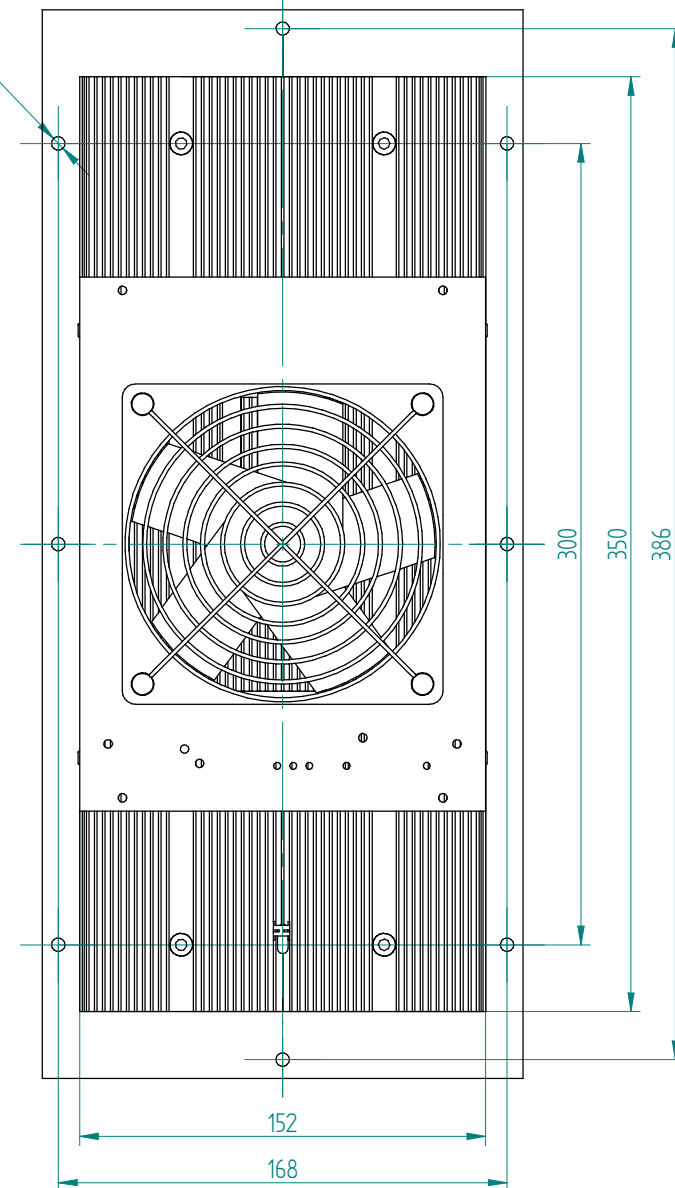
1. The TE assembly is mounted in a cabinet with "Warm side" mounted externally.
2. Suitable cabinet cutout is 154x352 mm.
3. Recommended for general purposes: the TE assembly is fastened with 8xM5 machine screws, 8x M5 flat washers, 8x M5 tooth washers and 8x M5 nuts so that the gasket material will seal off around the flange of the assembly.
4. **The TE assembly must be positioned in vertical direction (heat sink fins in vertical direction).**
5. The TE assembly must be protected from external force or violence.

### Service:

Fan impellers and heat sinks must be cleaned on regular intervals to reduce risk for overheating and reduction of cooling function. The interval may vary depending on environment.



8xØ5.5



Mounting hole print: 154x352

General tolerances: SS-ISO 2768-1 v  
First angle projection: Dimension units: Metric: [mm]

|                                                                                                                                                 |                           |                              |                                     |                      |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|-------------------------------------|----------------------|----------------------------------|
| Comment / Deviations:<br>Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. Hi-Pot tested 750VDC                        |                           |                              |                                     |                      |                                  |
| Designed by:<br>A. Kim                                                                                                                          | Checked by:<br>S. Winberg | Approved by:<br>C. Johansson | Release date:<br>2011-06-09         | Project:<br>Standard | Customer:                        |
| Laird Technologies<br>S-43153 Molndal, Sweden<br>tfn: +46 31 420530, fax: +46 31 247909<br>e-mail: info@lairdtech.com<br>Web: www.lairdtech.com |                           |                              | Title:<br>TE ASSEMBLY 24VDC AIR-AIR |                      |                                  |
| Part nr:<br>AA-200-24-22-00-00                                                                                                                  |                           |                              | Rev.<br>07                          | Version:             | Scale: Size, sheet<br>- A3, 3(5) |