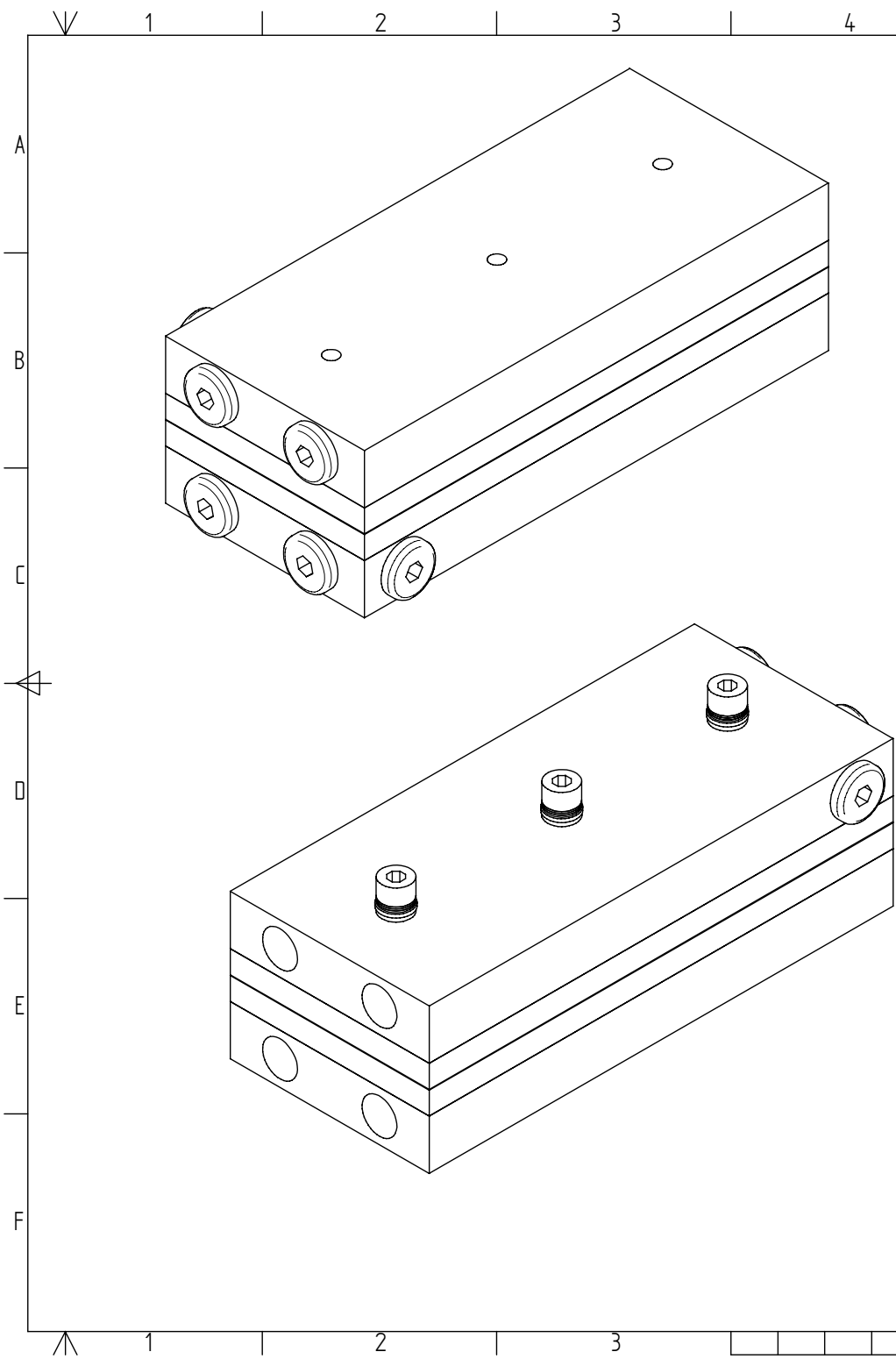
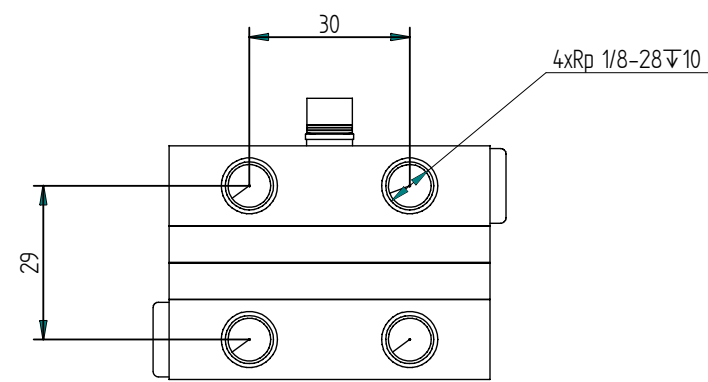


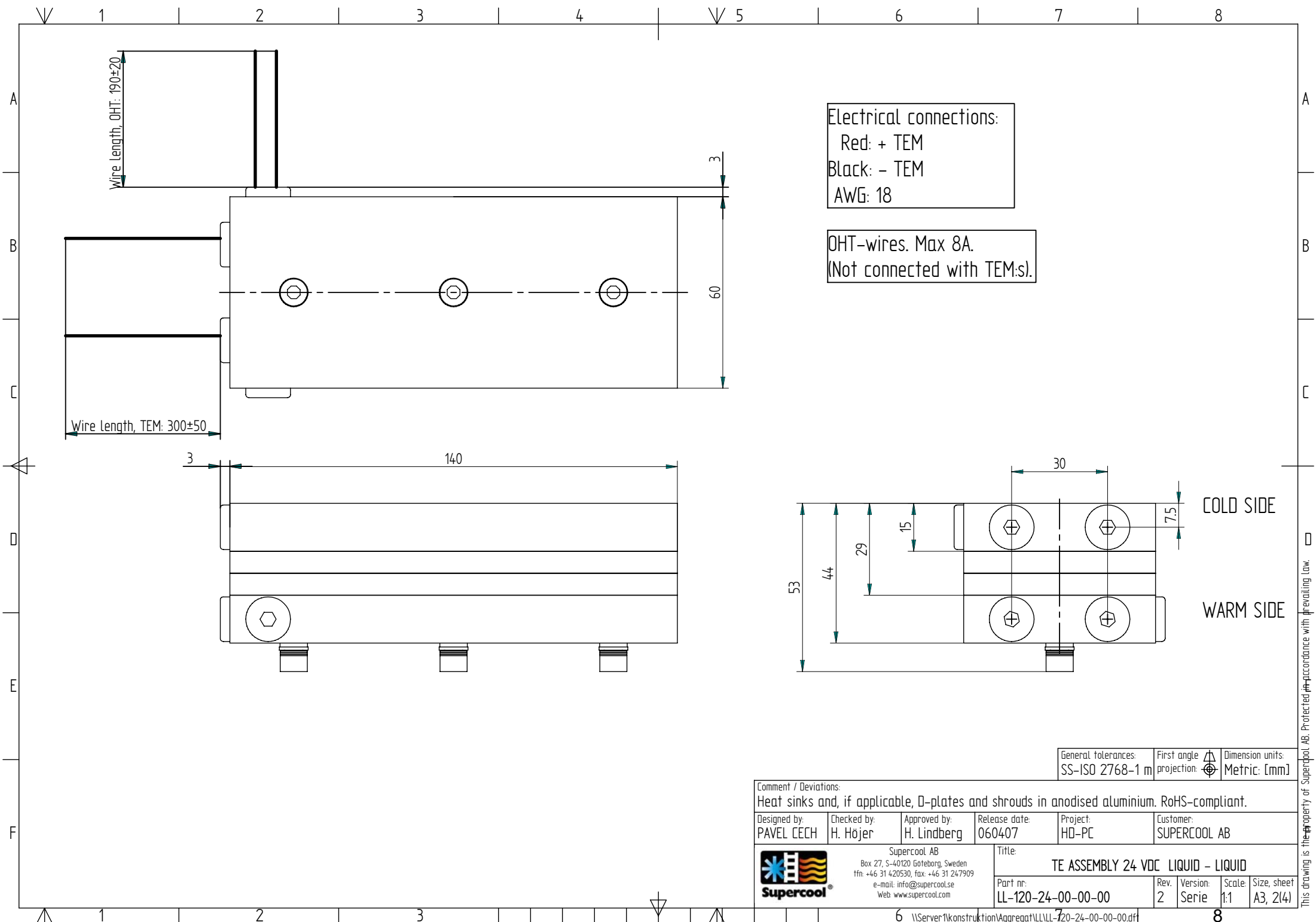


| Specification: (Ta=32°C)                    |     | Code:                                                                                              | Description: |
|---------------------------------------------|-----|----------------------------------------------------------------------------------------------------|--------------|
| Heat transfer, cold side:                   | L   | L                                                                                                  | Liquid       |
| Heat transfer, warm side:                   | L   | L                                                                                                  | Liquid       |
| Cascade:                                    | -   | -                                                                                                  | -            |
| Cooling power: [W]                          | 120 | 136 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: 4.2 A, Initial: 4.7 A, All at dT=0°C. Tolerance: ±10%.                                    |              |
| Fans, cold side:                            | 0   | None.                                                                                              |              |
| Fans, warm side:                            | 0   | None.                                                                                              |              |
| Temperature controller, sensor:             | 0   | None.                                                                                              |              |
| Temperature control settings, trim options: | 0   | -                                                                                                  |              |
| Additional controller information:          |     |                                                                                                    |              |
| Temperature control position:               | 0   | -                                                                                                  |              |
| Options:                                    | 0   | -                                                                                                  |              |
| Weight:                                     |     | 0.81 kg                                                                                            |              |
| Overheating thermostat:                     |     | 75°C ±5°C on hot side heat sink surface. Not wired in series with TEMs. Use it to control a relay. |              |
| Operating temperature:                      |     | Max. 62°C at nominal voltage.                                                                      |              |
| TE-Module(s) temperature specification:     |     | Max. surface temperature: 80°C                                                                     |              |
| Enclosed:                                   |     | Turbolators fitted in liquid channels.                                                             |              |



For overheating protection the cooler is equipped with a bimetal thermostat. The maximum rating for the thermostat is 8 A DC. For systems with 8 A or less the thermostat can be connected directly in series with the ThermoElectric Modules (TEM:S). Otherwise connect the TEM:S to the power source through a relay of suitable rating which state is controlled with the bimetal thermostat.

|                                                                                                                                                   |  |                         |  |                                                            |                                                  |                                                                                                                  |  |                                  |           |                           |               |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--|----------------------------------|-----------|---------------------------|---------------|------------------------|
| with the bimetal thermostat.                                                                                                                      |  |                         |  | General tolerances:<br>SS-ISO 2768-1 m                     |                                                  | First angle<br>projection:  |  | Dimension units:<br>Metric: [mm] |           |                           |               |                        |
| Comment / Deviations:<br>Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. RoHS-compliant.                               |  |                         |  |                                                            |                                                  |                                                                                                                  |  |                                  |           |                           |               |                        |
| Designed by:<br>PAVEL CECCH                                                                                                                       |  | Checked by:<br>H. Höjer |  | Approved by:<br>H. Lindberg                                |                                                  | Release date:<br>060407                                                                                          |  | Project:<br>HD-PC                |           | Customer:<br>SUPERCool AB |               |                        |
|                                                              |  |                         |  |                                                            | Title:<br><br>TE ASSEMBLY 24 VDC LIQUID - LIQUID |                                                                                                                  |  |                                  |           |                           |               |                        |
| Supercool AB<br>Box 27, S-40120 Göteborg, Sweden<br>tfn: +46 31 420530, fax: +46 31 247909<br>e-mail: info@supercool.se<br>Web: www.supercool.com |  |                         |  |                                                            | Part nr:<br>LL-120-24-00-00-00                   |                                                                                                                  |  |                                  | Rev.<br>2 | Version:<br>Serie         | Scale:<br>1:1 | Size, sheet<br>A3, 1/4 |
|                                                                                                                                                   |  |                         |  | 6 \\Server\konstruktion\Aggregat\LL\LL-120-24-00-00-00.dxf |                                                  | 7                                                                                                                |  |                                  |           | 8                         |               |                        |



|                                                                                                                                                                                                                                            |                         |                             |                                                  |                                                                                                                  |                                  |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------|
| General tolerances:<br>SS-ISO 2768-1 m                                                                                                                                                                                                     |                         |                             |                                                  | First angle<br>projection:  | Dimension units:<br>Metric: [mm] |                                    |
| Comment / Deviations:<br>Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. RoHS-compliant.                                                                                                                        |                         |                             |                                                  |                                                                                                                  |                                  |                                    |
| Designed by:<br>PAVEL CECH                                                                                                                                                                                                                 | Checked by:<br>H. Höjer | Approved by:<br>H. Lindberg | Release date:<br>060407                          | Project:<br>HD-PC                                                                                                | Customer:<br>SUPERCool AB        |                                    |
| <br>Supercool AB<br>Box 27, S-40120 Göteborg, Sweden<br>tfn: +46 31 420530, fax: +46 31 247909<br>e-mail: info@supercool.se<br>Web: www.supercool.com |                         |                             | Title:<br><br>TE ASSEMBLY 24 VDC LIQUID - LIQUID |                                                                                                                  |                                  |                                    |
|                                                                                                                                                                                                                                            |                         |                             | Part nr:<br>LL-120-24-00-00-00                   | Rev.<br>2                                                                                                        | Version:<br>Serie                | Scale: Size, sheet<br>1:1 A3, 2(4) |



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