

If applied voltage is less than 15VDC, the two pads must be shorted with solder. Must be opened if voltage >28VDC

- Fan 1
- + Fan 1
- Fan 2
- + Fan 2
- RS232, pin 5
- RS232, pin 3
- RS232, pin 2
- Temp. sensor 3: 2-wire (2 pin Molex KK).
- Temp. sensor 2: 2-wire (2 pin Molex KK).
- External potentiometer, 20 kOhm Linear. (3 pin Molex KK).
- Temp. sensor 1: 3-wire (3 pin Molex KK, use enclosed TC-WIRE3-PR-59).
- Jumper for PT1000-sensor usage as temp sensor 1.
- Alarm relay (2 pin Molex KK).

Description:	Code:	Specification: (Ta=32°C)
Heat transfer, cold side:	X	-
Heat transfer, warm side:	X	-
Cascade:	-	-
Cooling power: [W]	X	-
Voltage, nominal: [VDC]	XX	10 - 30 VDC
Voltage: [VDC]		Nominal: 10 - 30 VDC. If VDC 10-15, pads must be shorted according to note
Current: [A]		Max: 15A without cooling 30A with adekvat cooling.
Fans!, cold side:	X	-
Fans!, warm side:	X	-
Temperature controller, sensor:	P	PWM (PID), NTC.
Temperature control settings, trim options:	R	Programmable (reversible). Sensor dependent, software selectable.
Additional controller information:		Accuracy / Hysteresis: Sensor dependent / Software selectable. Low voltage protection: Software selectable.
Temperature control position:	5	Remote (Standalone)
Options:	9	Alarm relay.
Weight:		0.2 kg
Overheating thermostat:		NTC-sensor on heat sink.
Operating temperature:		-40°C to +52°C at nominal voltage.
Storage temperature:		-45°C to +70°C.
Enclosed:		Installation CD including manual, NTC-sensor (one), 3-wire sensor cable (0.7m).
Packing:		individual cardboard box.

Note:
Sensor 1 input is designed for NTC-sensor.
PT-1000 sensor is possible to use by attaching jumper.
PT-100 is not applicable

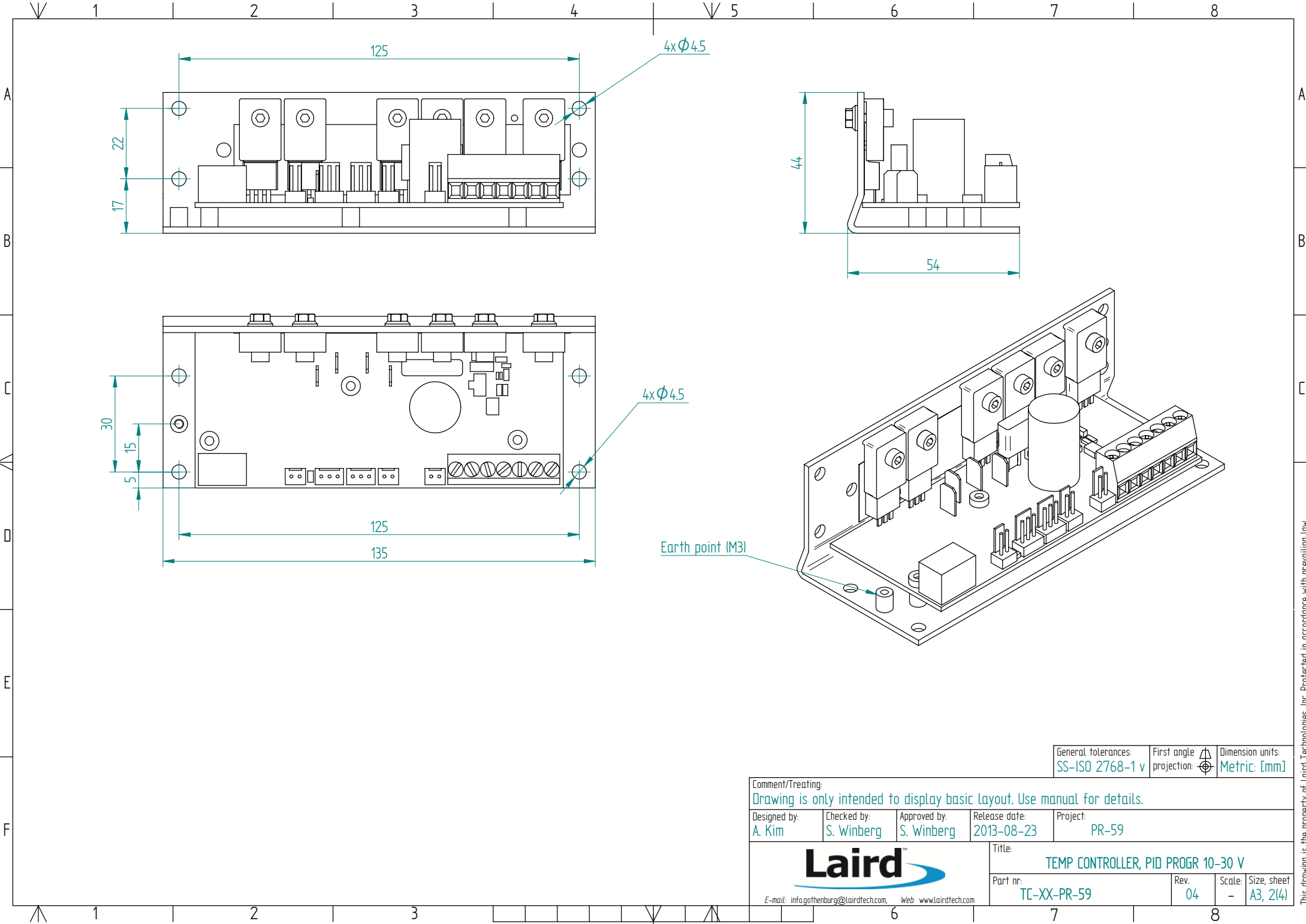
For support: info-göthenburg@lairdtech.com

General tolerances: SS-ISO 2768-1 v	First angle projection:	Dimension units: Metric: [mm]
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Comment/Treating:
Drawing is only intended to display basic layout. Use manual for details.

Designed by: A. Kim	Checked by: S. Winberg	Approved by: S. Winberg	Release date: 2013-08-23	Project: PR-59
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		Title: TEMP CONTROLLER, PID PROGR 10-30 V		
		Part nr: TC-XX-PR-59	Rev: 04	Scale: Size, sheet - A3, 1(4)
E-mail: info.göthenburg@lairdtech.com , Web: www.lairdtech.com		6	7	8



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		Part nr: TC-XX-PR-59	Rev. 04	Scale: Size, sheet - A3, 2(4)

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