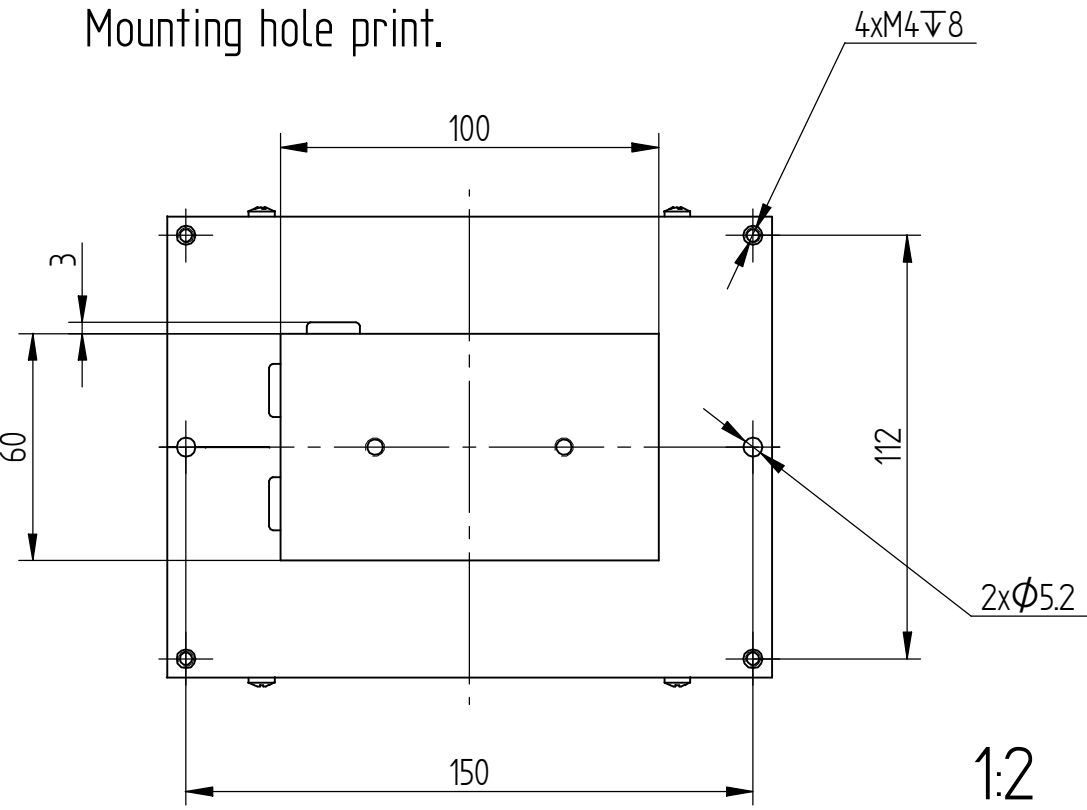


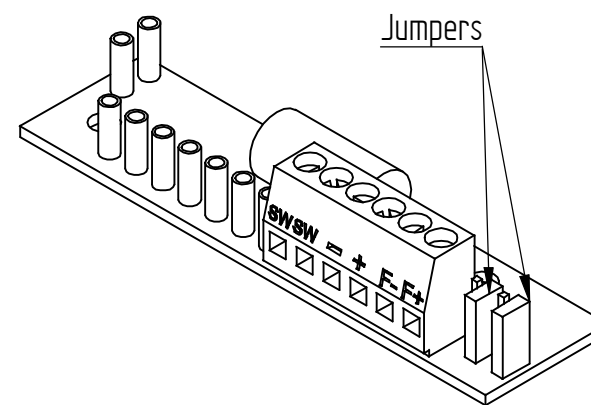
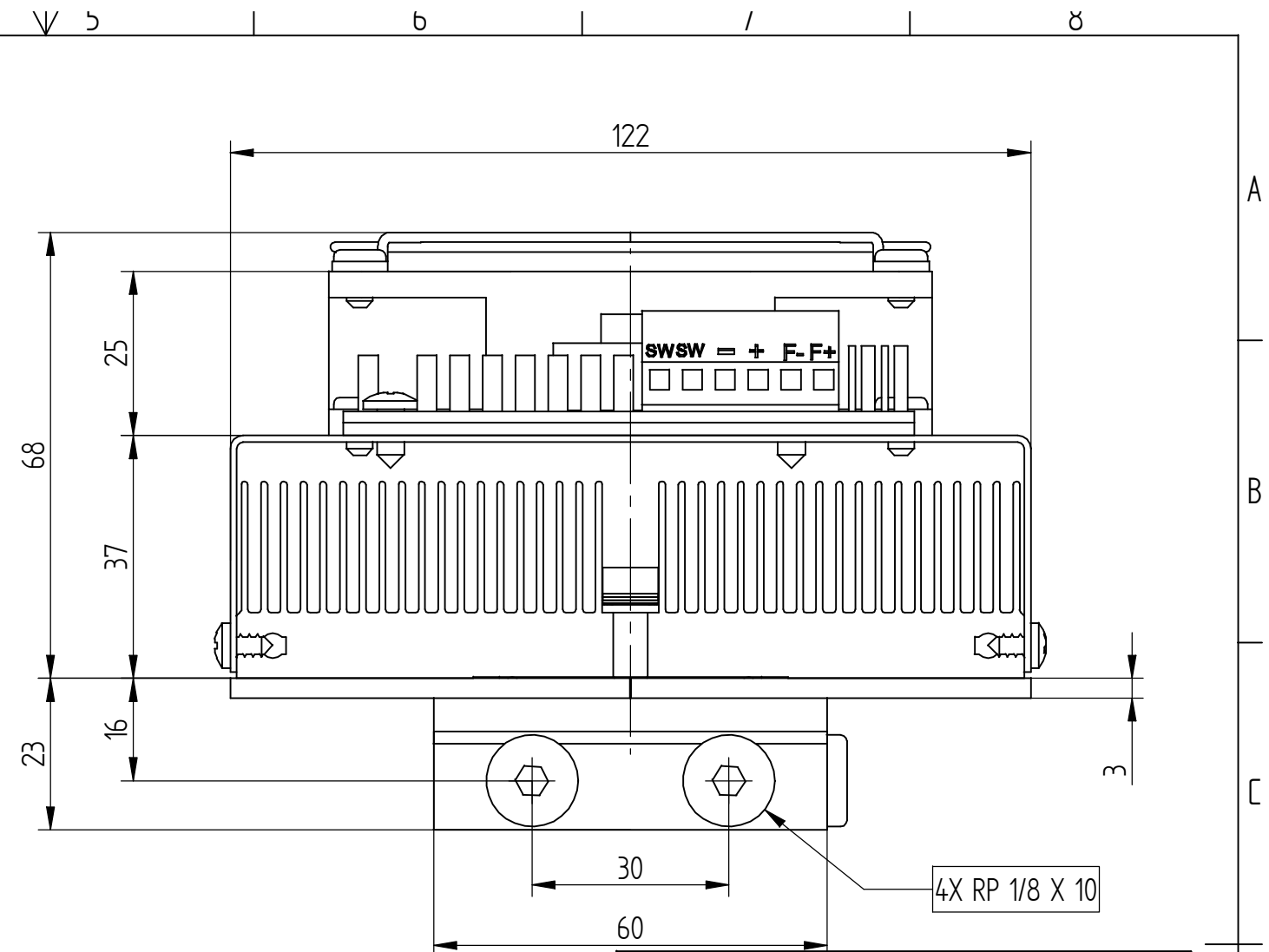
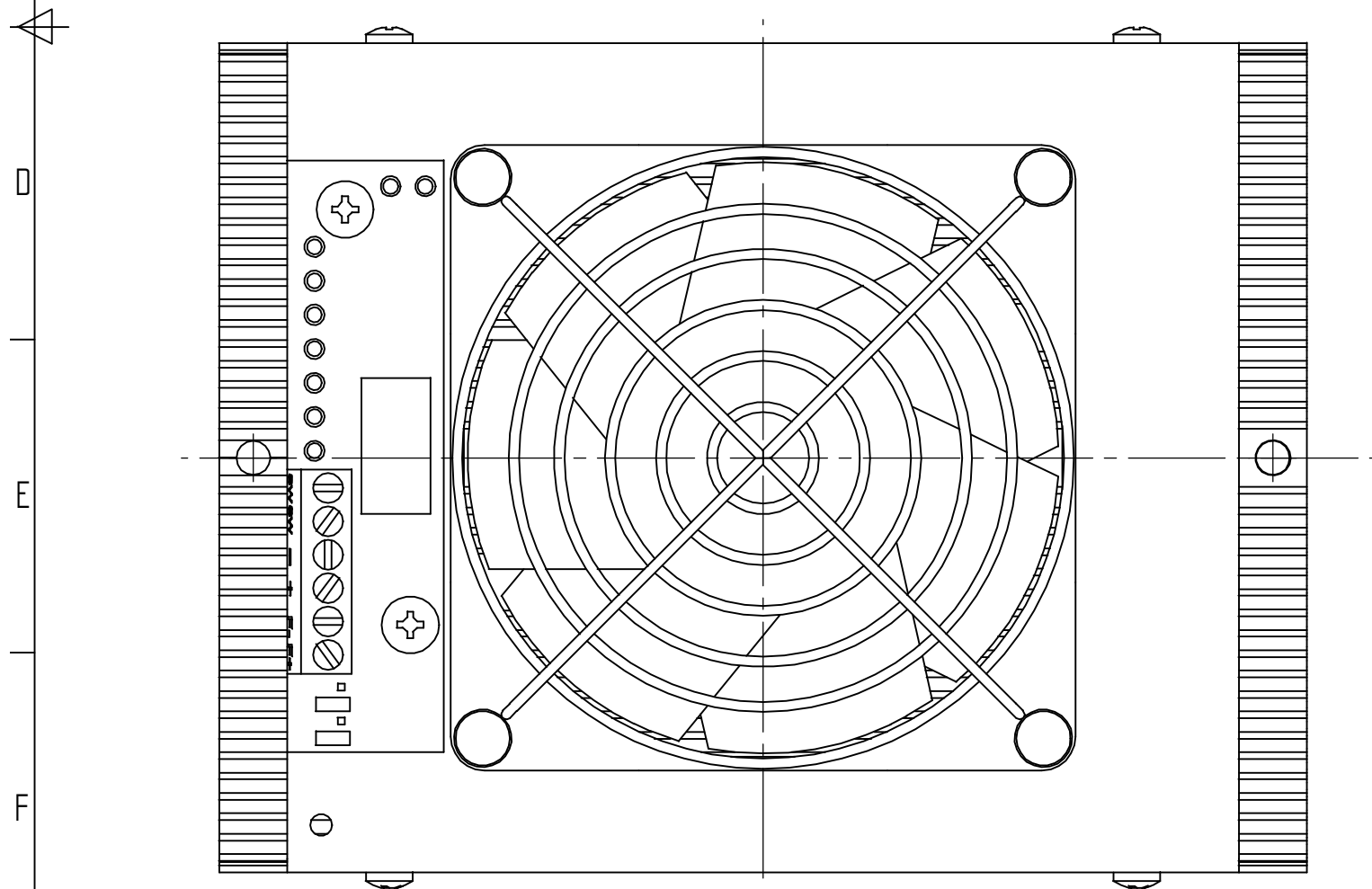
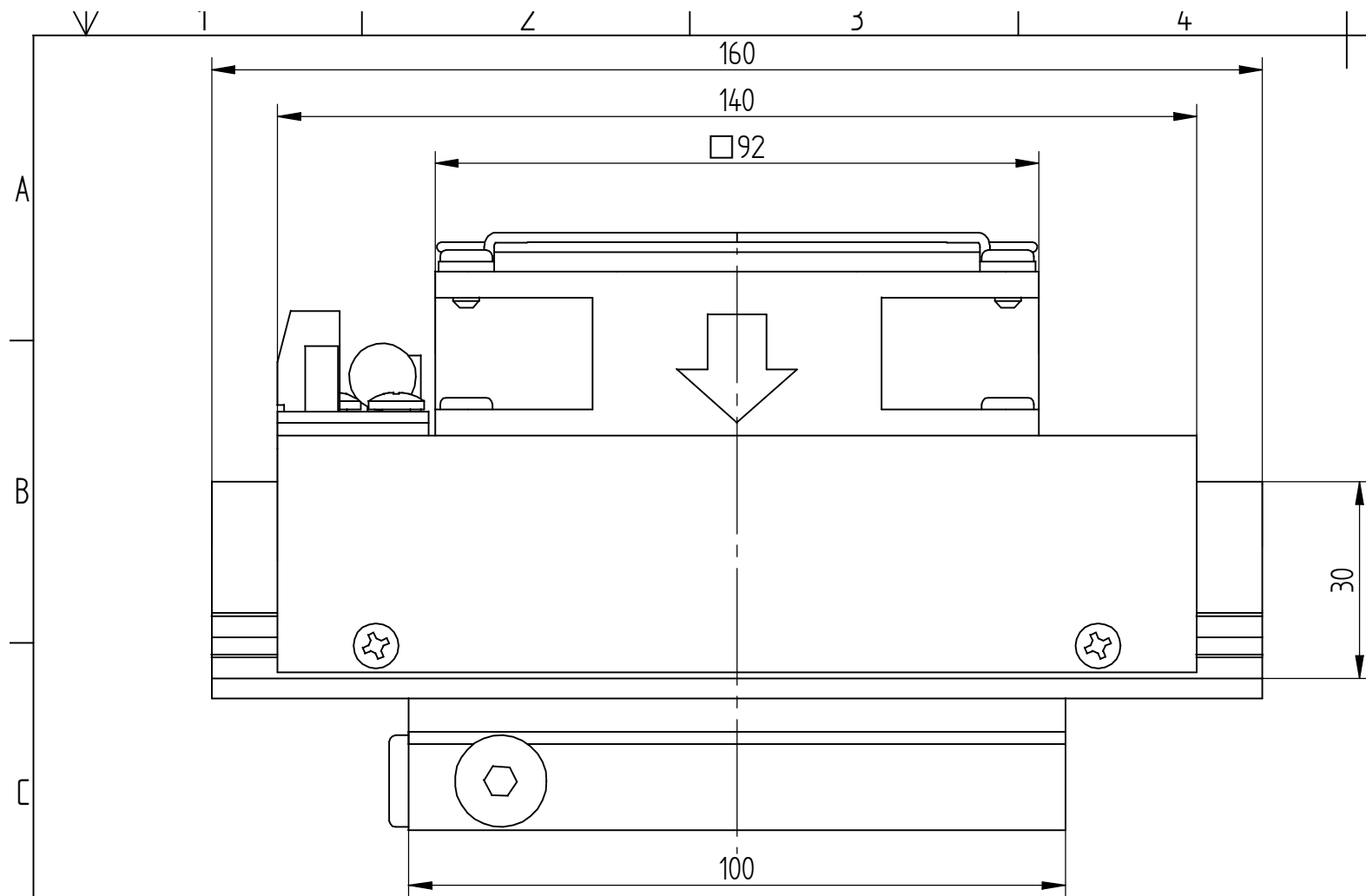


Specification: (Ta=32°C)	Code:	Description:
Heat transfer, cold side:	L	Liquid
Heat transfer, warm side:	A	Air
Cascade:	-	
Cooling power: [W]	045	43 W at dT=0°C. Tolerance: ±10%.
Voltage, nominal: [VDC]	12	12 VDC.
TEM Voltage: [VDC]		Nominal: 12 VDC, Max: 15 VDC.
TEM Current: [A]		Nominal: 4.1 A, Initial: 5.1 A. All at dT=0°C. Tolerance: ±10%.
Fan(s), cold side:	0	None.
Fan(s), warm side:	2	MTBF: 50,000 hrs. L10 at 25°C. Nominal current: 0.39 A. Voltage: 12 VDC ±10%.
Temperature controller, sensor:	0	None.
Temperature control settings, trim options:	0	-
Additional controller information:		-
Temperature control position:	0	-
Options:	0	-
Weight:		1.2 kg
Overheating thermostat:		75°C ±5°C on hot side heat sink surface.
Operating temperature:		-10°C to +52°C at nominal voltage.
TE-Module(s) temperature specification:		Max. surface temperature: 80°C.
Enclosed:		-
Packing:		Individual cardboard box.

Mounting hole print.



Comments / deviations: Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium.				General tolerances: SS-ISO 2768-1 c			
Designed by: Pavel Cech	Approved by: Hans Lindberg	Release date: 20041022	Customer: Supercool AB		Project: HDPC		
		Title: TE ASSEMBLY 12 VDC LIQUID – AIR					
		Part nr: LA-045-12-02-00-00	Rev. nr: 2	Status: 0	Scale: 1:1	Size, sheet A3, 1(3)	





#### Electrical connections:

"+" : + TEM  
 "-" : - TEM  
 "F+" : + Fan(s)  
 "F-" : - Fan(s)

To use single supply:  
 Lift the jumpers and rotate 90° to short-cut the pin pairs.  
 Connect the unit to "+" & "-".

Warning: Single supply not applicable in heating mode or with PWM-regulation.

Comments / deviations: Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium.				General tolerances: SS-ISO 2768-1 c			
Designed by: Pavel Cech	Approved by: Hans Lindberg	Release date: 20041022	Customer: Supercool AB			Project: HDPC	
		Supercool AB Box 27, S-40120 Göteborg, Sweden tfn: +46 31 420530, fax: +46 31 247909 e-mail: info@supercool.se Web: www.supercool.se	Title: TE ASSEMBLY 12 VDC LIQUID – AIR				
		Part nr: LA-045-12-02-00-00	Rev. nr: 2	Status: 0	Scale: 1:1	Size, sheet A3, 2(3)	