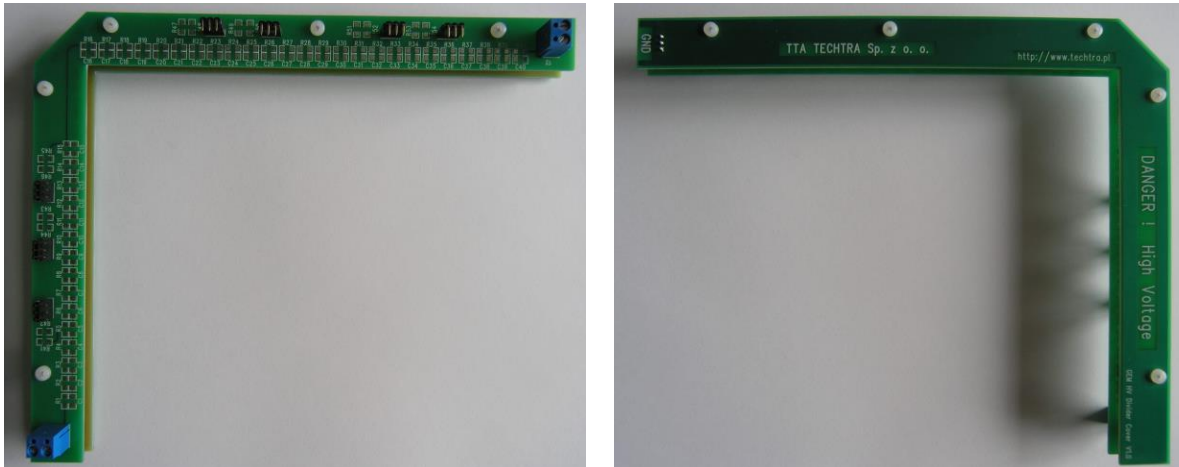


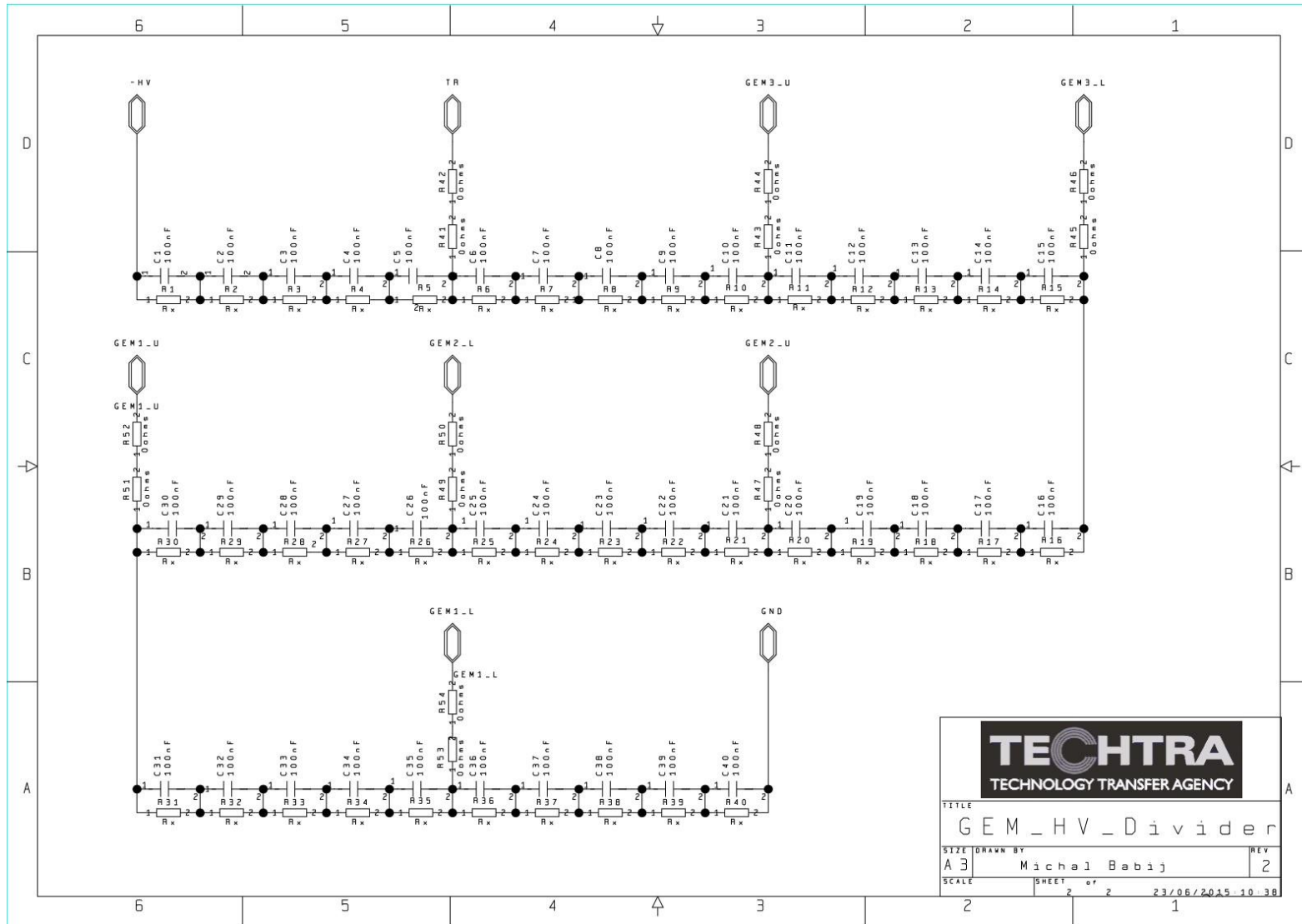
High Voltage Divider for 10x10 cm GEM detector V2.1



Features

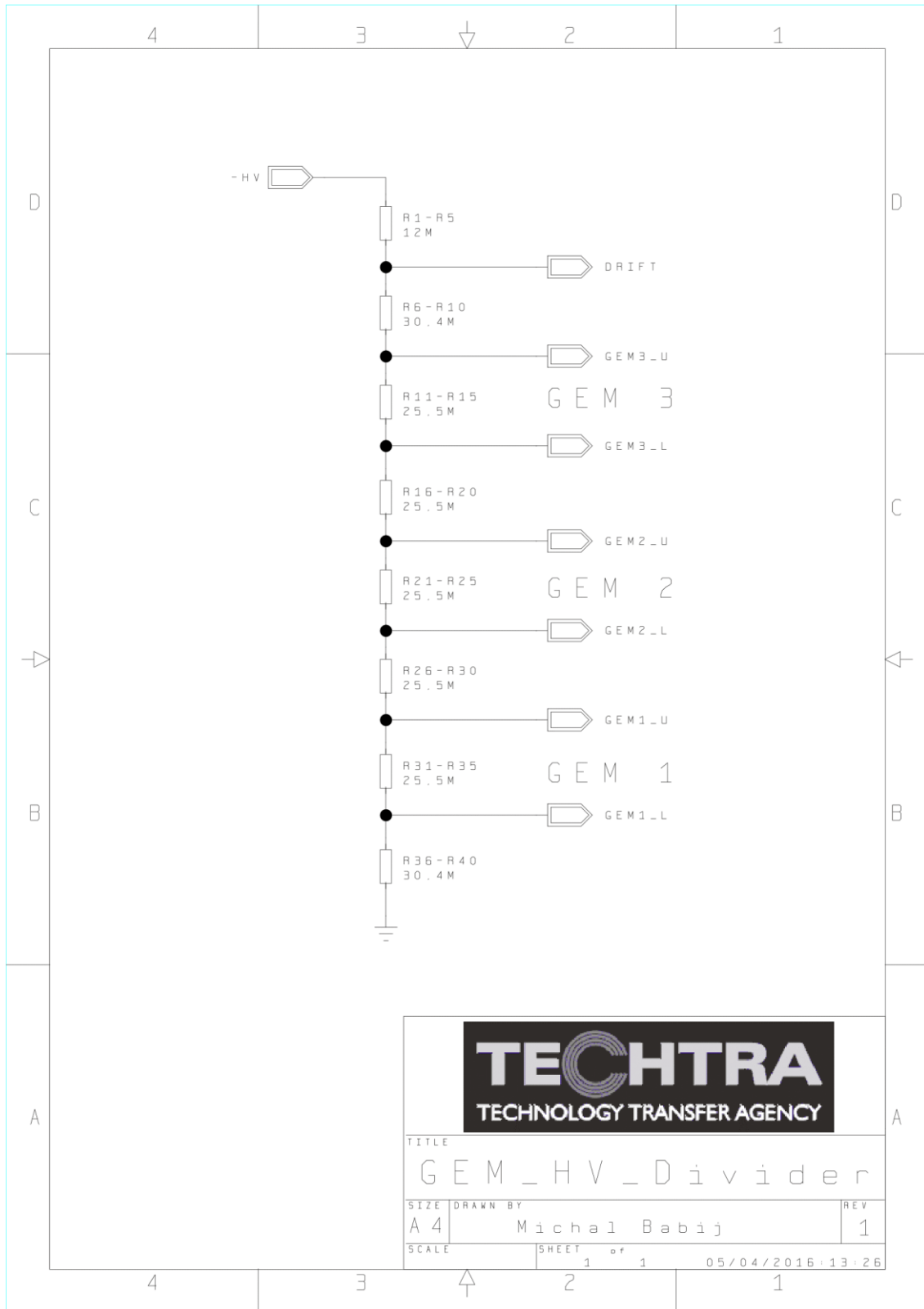
- High Voltage divider for 10x10cm GEM Detector
- Compatible with the CERN kits
- Suitable for polarizing GEM foils
- Two L-shaped low profile boards fitting ideally to the readout plane
- 40 pcs. of 1206 Resistors in divider configuration
- 2 resistors per output to reduce short-circuit current
- 40 pcs. of 1206 100nF, 250V capacitors for HV noise reducing
- 5 kV maximum input voltage
- HV divider plugs directly onto the readout board
- Gold-pin connectors allows for quick HV divider exchange
- Consist of two PCB boards: first with HV divider and connectors, second with ground plane to shield the divider

The High Voltage divider schematic is available on page number two of this document. The HV divider simplified schematic with proposed resistors values is available on page number three of this document.



High Voltage Divider for 10x10 cm GEM detector V2.1

Techtra 2016, rev. 1



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TITLE		
GEM_HV_Divider		
SIZE	DRAWN BY	REV
A4	Michal Babij	1
SCALE	SHEET of	05/04/2016: 13:26
	1 1	