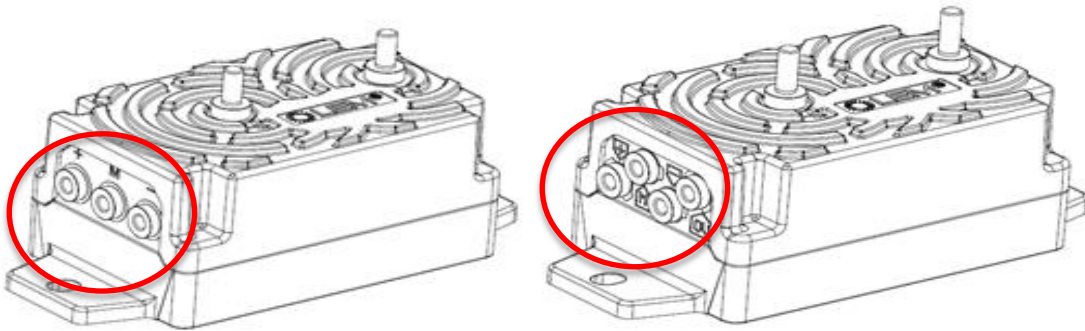




LEM[®]

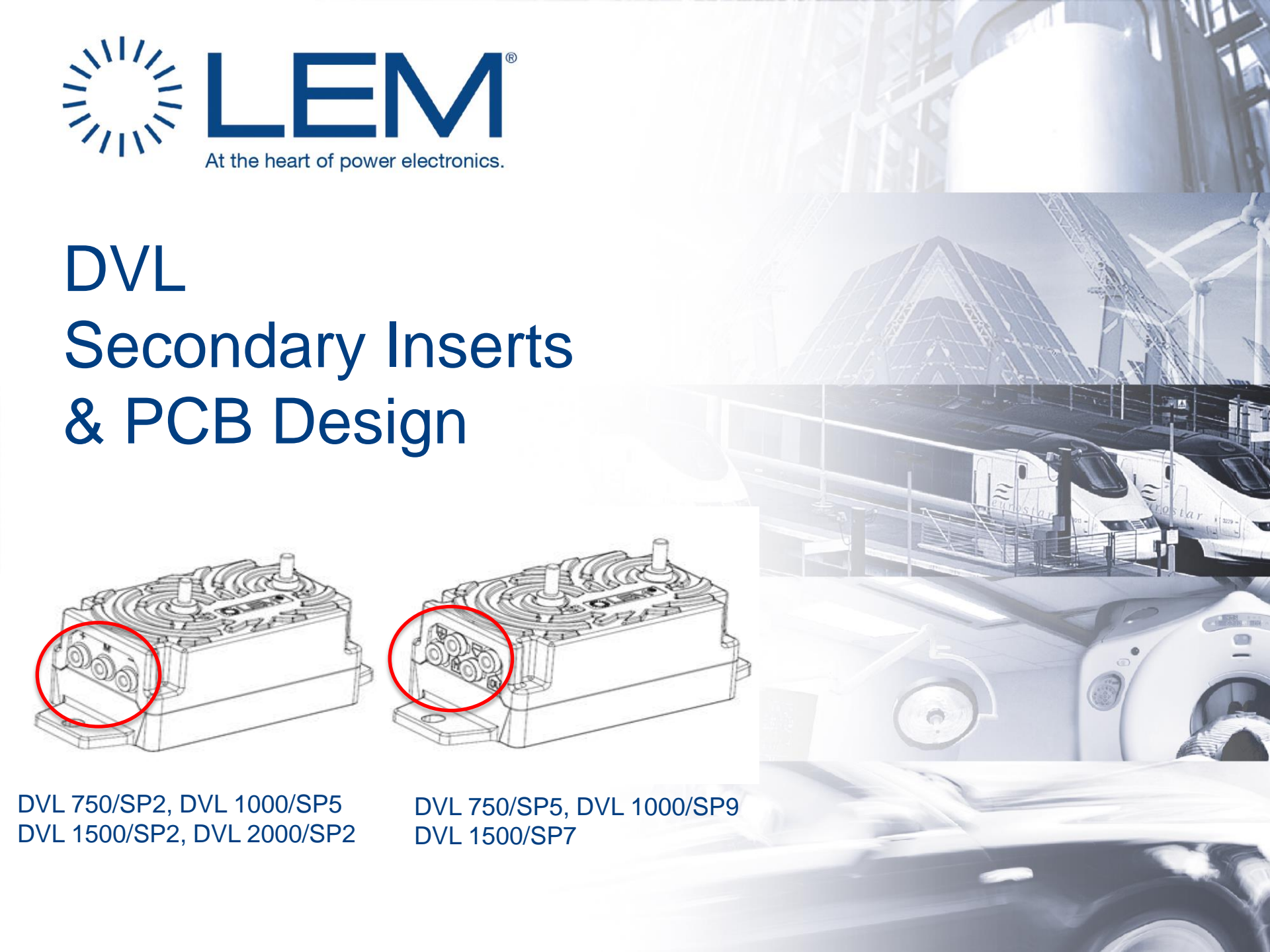
At the heart of power electronics.

DVL Secondary Inserts & PCB Design

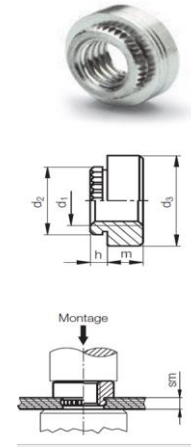
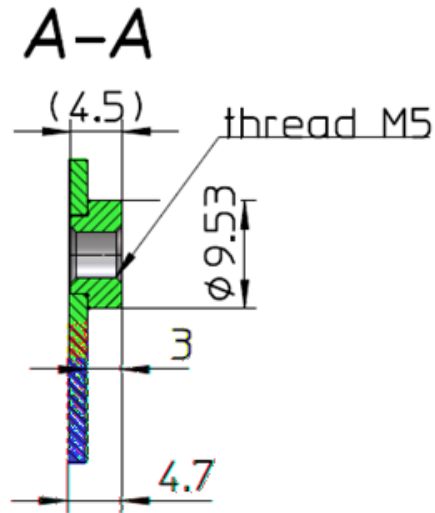
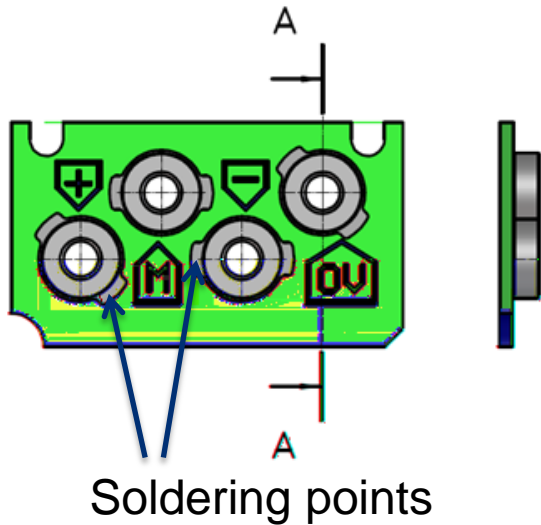


DVL 750/SP2, DVL 1000/SP5
DVL 1500/SP2, DVL 2000/SP2

DVL 750/SP5, DVL 1000/SP9
DVL 1500/SP7

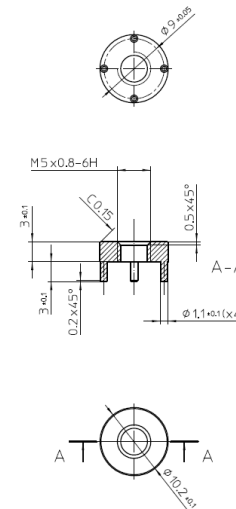
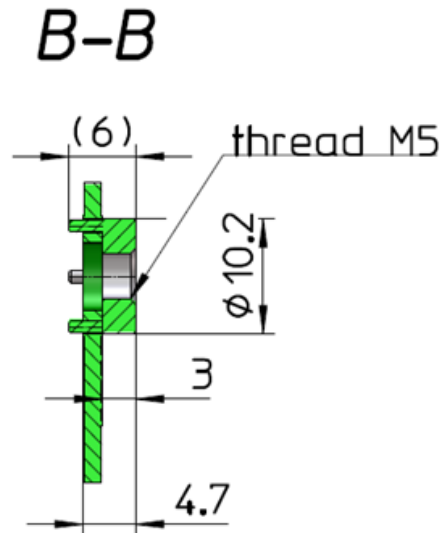
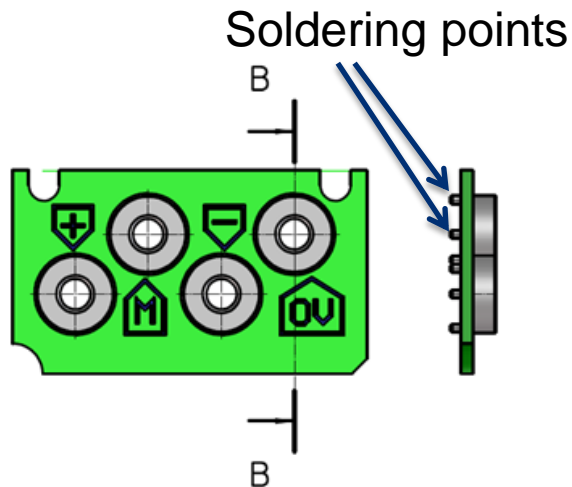


Old Design



All Dimensions of the new design are same as in old design concept except: thread length and outer diameter of the nut from

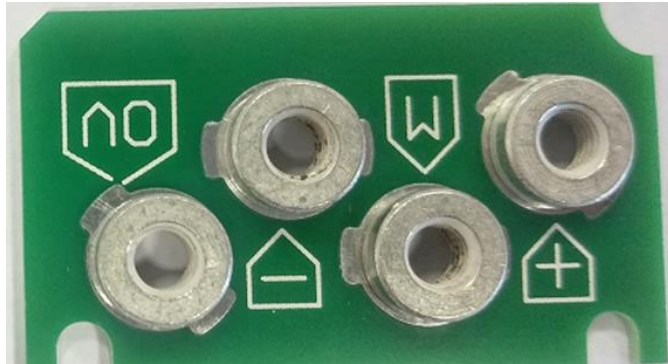
New Design



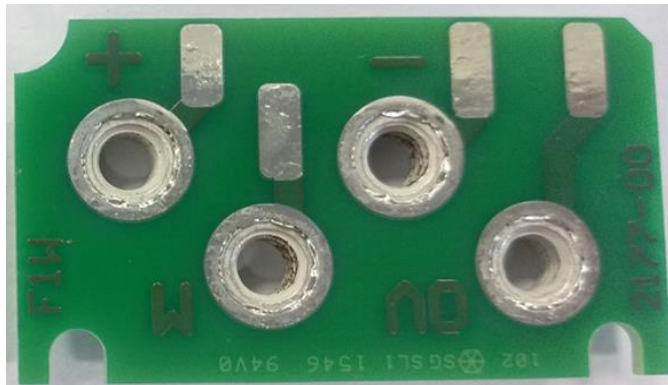
4 soldering points per nut

Old and New design PCB after assembly

Front side

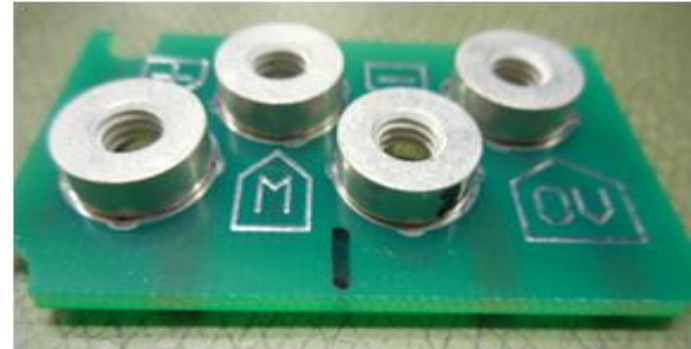


Back side

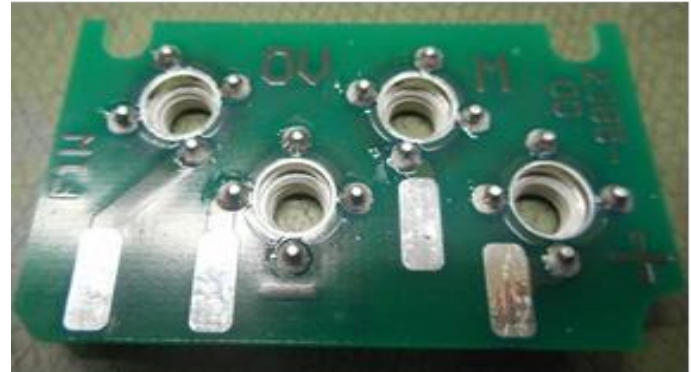


Old design

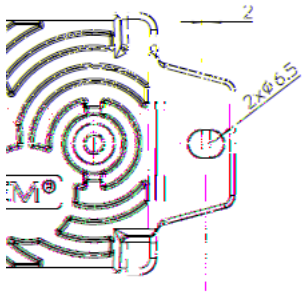
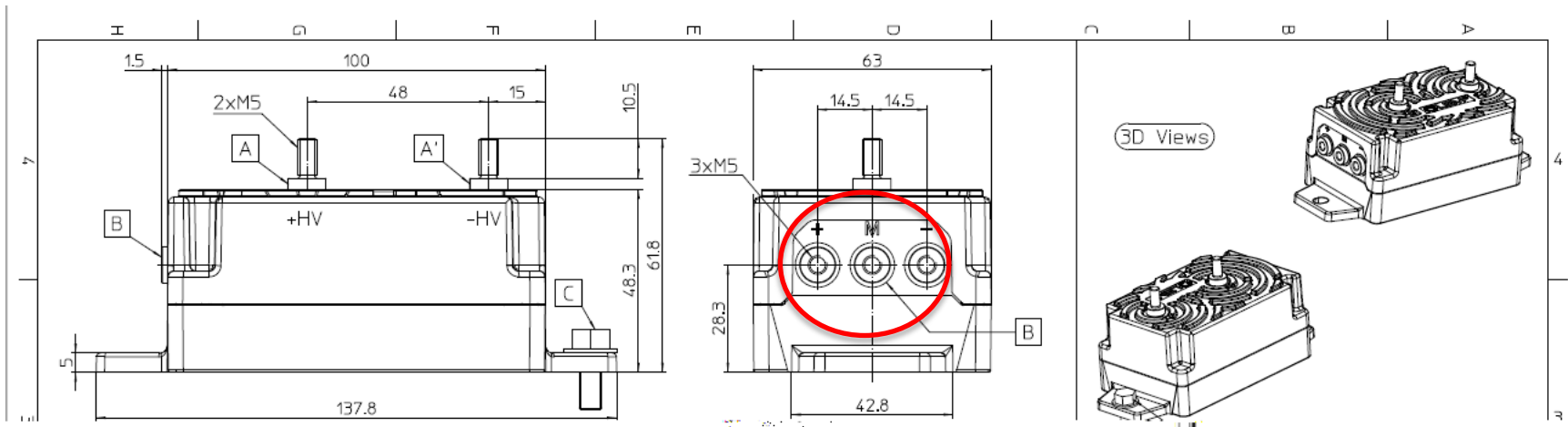
Front side



Back side



New design

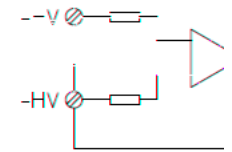
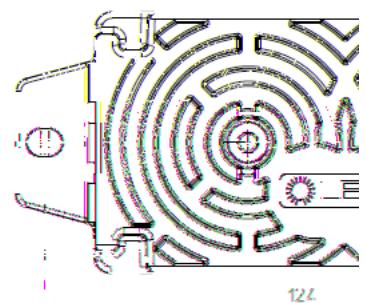
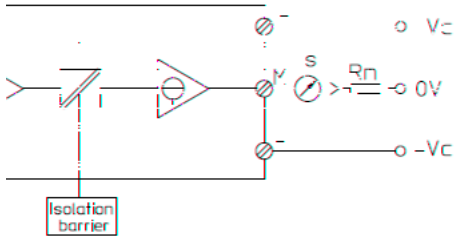


	dCl (mm)	dCp (mm)
A-A'	38.1	50.3
A-B	44.2	55.1
A'-C	45.6	56.2

Transducer fastening: 2 holes ϕ 6.5 (2 M6 steel screws)
 - Recommended fastening torque ($\pm 10\%$): 2 Nm

Primary connection: 2x M5 threaded studs
 - Recommended fastening torque ($\pm 10\%$): 2.2 Nm

Secondary connection: 3x M5 threaded inserts
 - BEWARE: to maximum threaded length for customer screw: 12mm
 Recommended fastening torque ($\pm 10\%$): 2.2 Nm



Revision	Author	Date	Notes
00A	SCY	07.09.2012	of the PCB, dCp/dCl corrected.

General tolerances Linear: ± 0.5 Angular: $\pm 1^\circ$	Folio: 1/1	LEM Switzerland SA 8, chemin des Aulx P.O. Box 35 CH-1229 Plan-Les-Bois (Geneva) Switzerland	LEM	LEM Intellectual Property SA Avenue Beauregard 1 CH-2100 Fribourg, Switzerland
<<< Key characteristics	<<> Capability dimensions	<>> Functional dimensions	Size: A3	Scale: 1:1
All linear dimensions are in millimeter. All angles are in degree.				
OUTLINE DRAWING D				
DVL				
Drawing reference			Revision	
92.33.08.144.0			00A	

Rev.	Date (MM/DD/YYYY)	Modification
00A	07.09.2012	Branching nut Inserts mounted on the outer face

