

Voltage Divider Board

WA105 TB Meeting

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UTA HEP Group

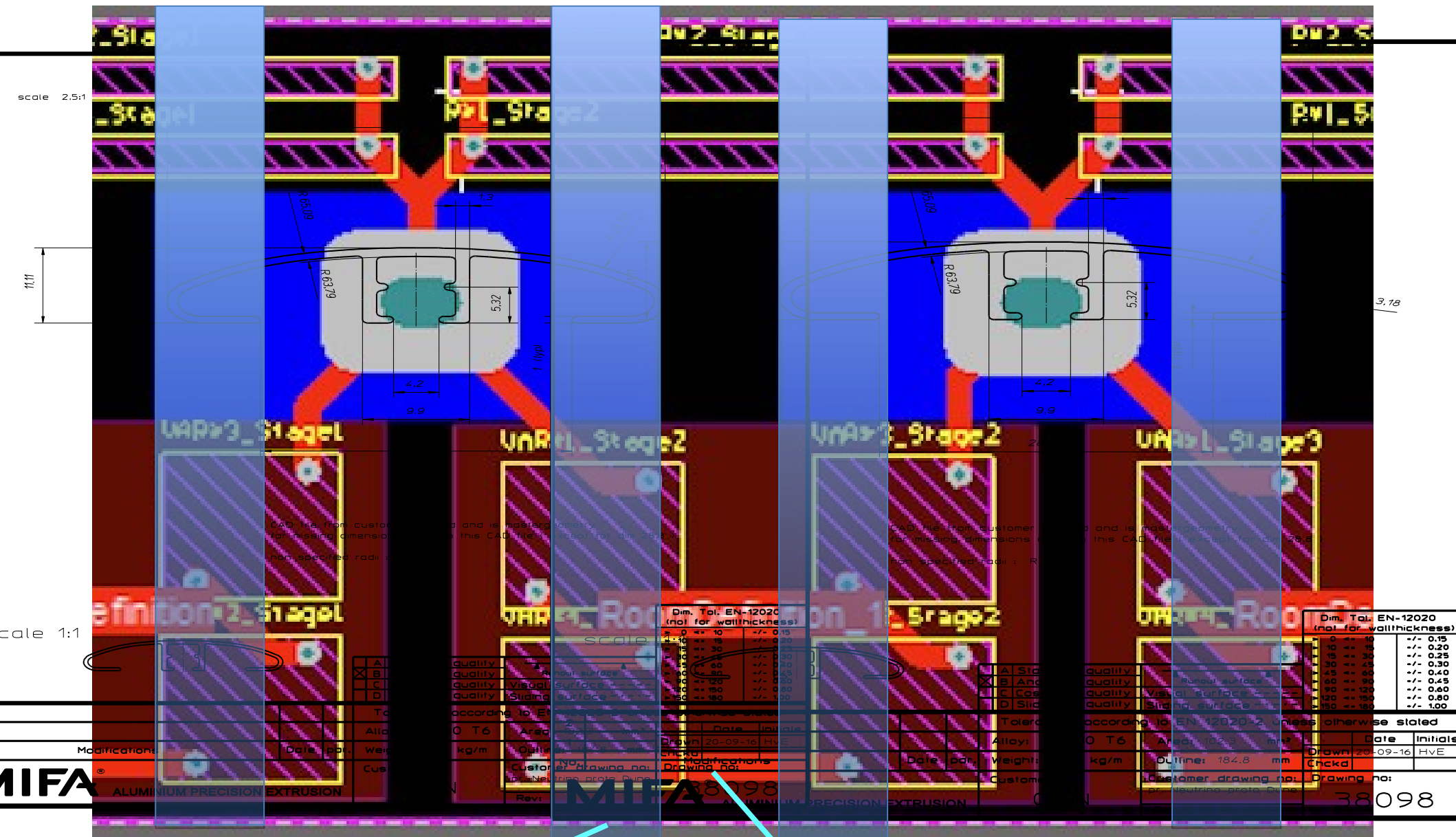
05/10/2017

Review committee report

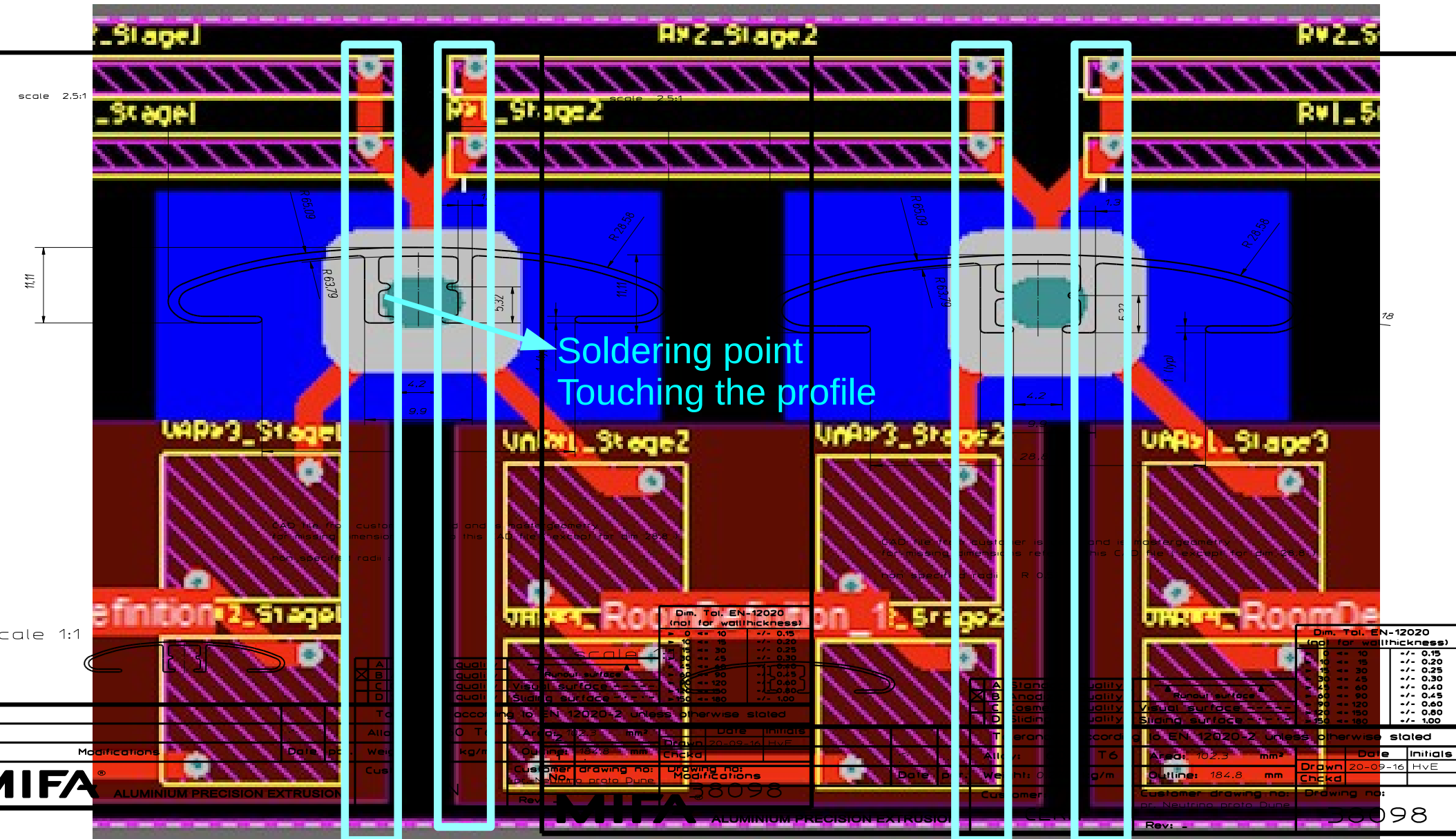
4.2 Comments :

- “The UTA group should verify that the through hole (solder bump) locations on the resistive divider boards are not shorting out or come close to the Al profile when mounted”.

1st issue : Shorting between two Profiles



2nd issue: Soldering bump touching Alu profile



Dim.	Tol. EN-12020 (not for wallthickness)
> 0	+/- 0.15
> 10	+/- 0.20
> 30	+/- 0.25
> 45	+/- 0.30
> 60	+/- 0.40
> 90	+/- 0.45
> 120	+/- 0.60
> 150	+/- 0.80
> 180	+/- 1.00

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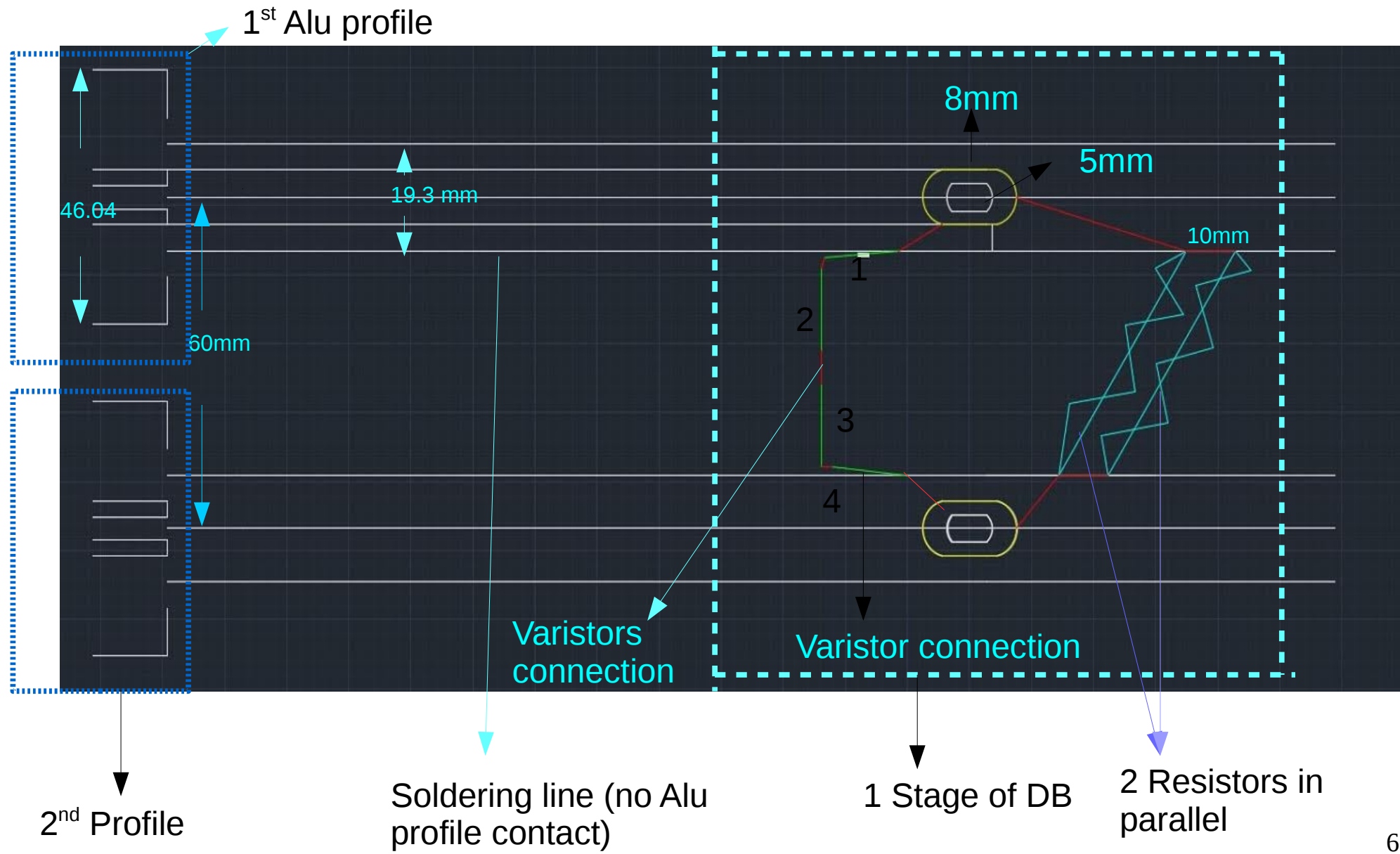
Area	102.3 mm²	Date	Initials
Outline	184.8 mm	20-09-16	HvE
Customer drawing no.	38098	Drawn	Checked
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Modifications: PCB board design

- *Remove the shorting point between varistors*
- *Soldering bump both for the resistors and varistors should not touch the Alu profile.*

Modifications of a single stage design (Auto CAD drawing)



Conclusion

- Review committee report useful to find out the issues
- Understood the issues
- Issues are solved
- Modifications on the 3D design in progress