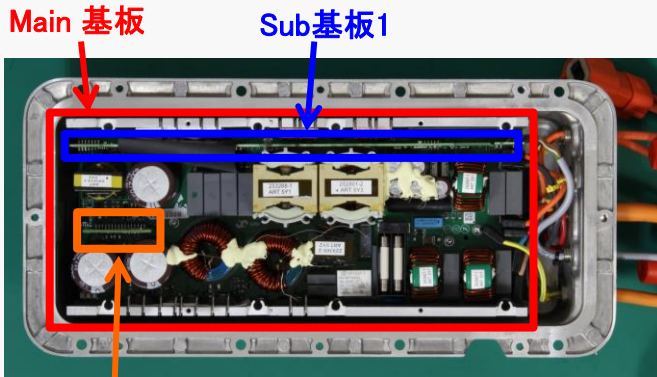
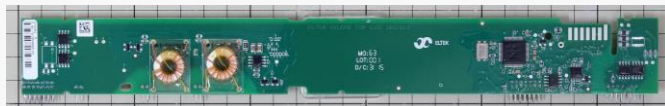


## Volvo V60 PHV搭載OBC基板の基板回路解析レポートリリース



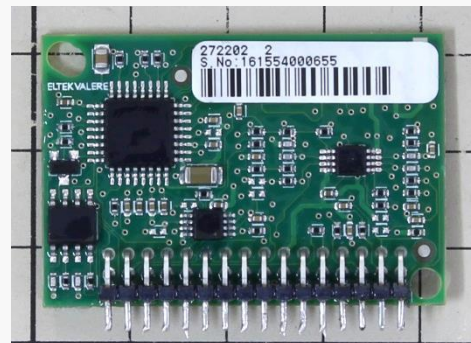
Sub 基板2



Sub基板1



Main 基板



Sub基板2

本製品の主な特徴として、製品情報から、最大出力は3.5KW(220V/16A)、Single phase AC Charger、水冷方式、電力変換効率が92%以上(推測)があげられます。

解析結果より、

- ・Power Stageは、入力フィルタ、PFC、LLC Current Resonant Half-Bridge Converterの構成。
- ・各基板の機能は、Main基板がPower Stage、Sub基板2がPFCコントロール、Sub基板1がチャージャーコントロールとなっております。
- ・PFC回路の保護機能はSub基板2に、チャージャーコントロールの保護機能はSub基板1に搭載されています。
- ・外部との通信は、Sub基板1のCANトランシーバおよびDSPで行われます。

本レポートでは、Main基板、Sub基板1、Sub基板2の各層のレイアウト、詳細回路図、機能ブロック図、部品表が含まれます。(全59ページ)

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