Control Board_V1.0.SchDoc

GNDcls

Parameter Set

Positive and Negative Overcurrent

DRS LED

Input relay signal

Current sensor sensed current

Overcurrent

Overvoltage

overvoltage_L

Debug interface

Sensitivity(G):25mv/A, 2.5 offset, -25A to 25 A :2.5+-625mV, scale back to 3.3V vs 5V, 1.65V+-412mv,Consider overcurrent 200% of 25Amp peak:1.65+-812mv, for positive overcurrent VH:1.65+850mv, VL=1.65+750mv, for negative overcurrent VL:1.65-850mv, VH=1.65-750mv

Release Confidential

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