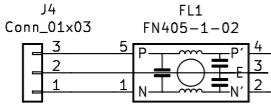


Transformer: Talema 70060K
Secondary Voltage: 2 x 7V
Open Circuit Voltage: 2 x 8,9V

Alternative Transformer: Block FL30/6
Secondary Voltage: 2 x 6V
Open Circuit Voltage: .n.a.
https://cdn-reichelt.de/documents/datenblatt/C500/UI39_102.pdf

Calculating CRCRC Resistors:
Before LT4320: $7 \times 1,4 = 9,9V$
After LT4320: 9,8V
LT3045: 1V Headroom
Out: 5,6V
Difference: $8,9V - 1V - 5,6V = 2,3V$
Power Consumption: $0,4A @ 5,6V$
Resistance: $5,75 \text{ Ohm in Total} / 3 \text{ Resistors} = 1,9 \text{ Ohm} @ 1W$

5V Output Rail
ARIES G1 Original: 5,6V @ 0,4A
Planned Output: 5,6V



15V Output Rail
ARIES G1 Original: 16,8V @ 0,5A
Planned Output: 15,0V

Transformer: Talema 70063K
Secondary Voltage: 2 x 15V
Open Circuit Voltage: 2 x 17,8V

Alternative Transformer: Block FL30/15
Secondary Voltage: 2 x 15V
Open Circuit Voltage: .n.a.
https://cdn-reichelt.de/documents/datenblatt/C500/UI39_102.pdf

Calculating CRCRC Resistors:
Before LT4320: $7 \times 1,4 = 21V$
After LT4320: 20,8V
LT3045: 1V Headroom
Out: 15V
Power Consumption: $0,4A @ 16,8V$ (Premise: $0,6A @ 15V$)
Difference: $20,8V - 1V - 15V = 4,8V$
Resistance: $8 \text{ Ohm in Total} / 3 \text{ Resistors} = 2,6 \text{ Ohm} @ 3W$ (Premise: $0,6A @ 15V$)