



[ACSET]

$$I_{DPM} = \frac{V_{ACSET}}{20 \times R_{AC}} = 4.125A$$

$$V_{ACSET} = 3.3 \times 100 \times (100 + 100) = 1.65V$$

$$R_{AC} = 20mohm \text{ (R125)}$$

[ISET]

$$I_{CHG} = \frac{V_{ISET}}{20 \times R_{SR}} = 1.988A$$

$$V_{ISET} = 3.3 \times 13.7 \times (100 + 13.7) = 0.397V$$

$$R_{SR} = 10mohm \text{ (R131)}$$

[OVPSET]

$$V_{ACOV} = 1.6V \times \left(1 + \frac{R88}{R89}\right) = 1.6V \times \left(1 + \frac{402}{37.4}\right) = 18.8V$$

$$V_{ACOV} = 0.5V \times \left(1 + \frac{R88}{R89}\right) = 0.5V \times \left(1 + \frac{402}{37.4}\right) = 5.87V$$

[STAT]
 LOW: Charging
 HIGH: Charging complete & In Sleep
 Blinking: Fault, OVP, Battery absent

COMPANY:		TITLE:		Rev. :
DRAWN:	DATE:	SUB TITLE:		
CHECKED:	DATE:	SHEET	OF	SIZE: