

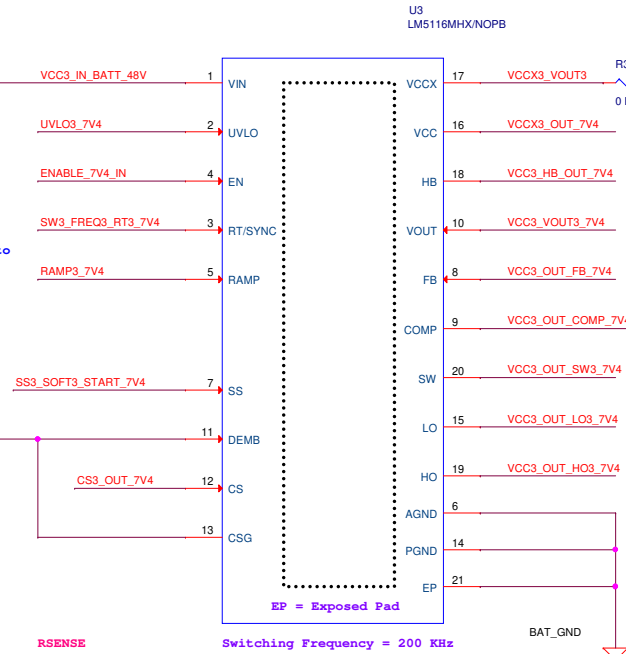
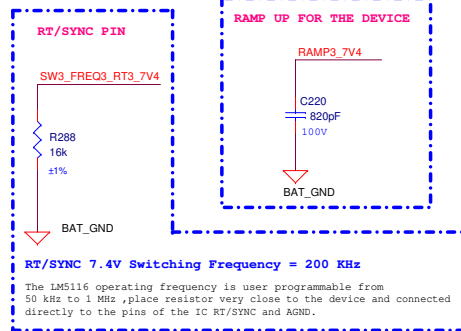
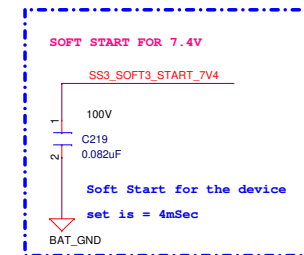
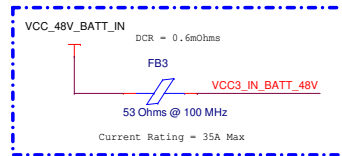
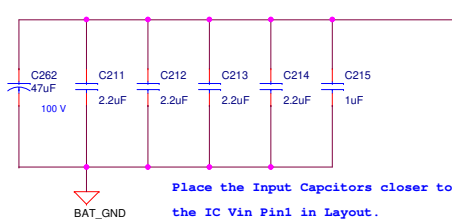
TO SERVO MOTOR 03

Regulator DC - DC NON-ISOLATED OUTPUT3 7.4V 12A

IRating = 25A
Itest = 27A
DCR max = 2.82mOhm

Vout3 = 7.4V
Iout3 = 12A
Pout3 = 88.8W
Efficiency3 = 94.348 %

Vin3 Min = 10V
Vin3 Max = 56V
Vin3 Nominal = 48V
Iin3 = 1.96A
Pin3 = 94.12W



CSG and DEMB Pin connected to Rsense Ground Side, this will ensure a stable and controlled start-up process.

ENABLE_7V4_IN >>> ENABLE_7V4_IN

7V4 ENABLE OFF OPTION (Enable Pin supports -0.3 to 100V Max)

Sl.No.	Enable Pin	Device On/ Off
1	If the EN pin is enters shutdown mode below 0.5 V, then device	OFF
2	If the EN pin is above 3.3 V returns the regulator to normal operation.	ON

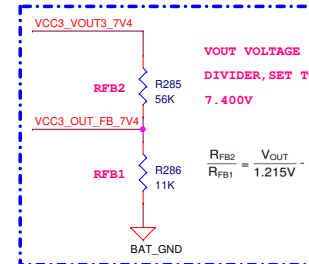
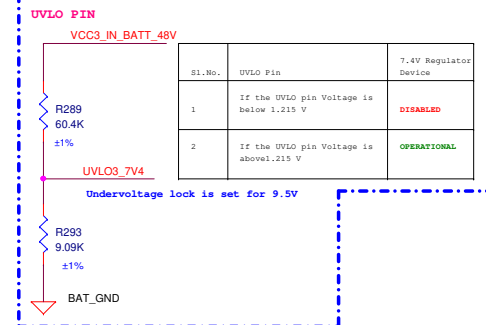
The Enable Pin Should not be kept floating, i.e., why when no signal comes from connector, the Enable Pin of Regulator is pulled to Ground and the Device will be in OFF State.

When Active Low Signal From Connector

Default the Device will be in Off State, when comes the Input active low enable from connector, the device will be Enabled.

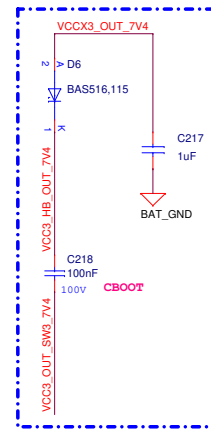
When Kept Floating From Connector

When no signal comes from Connector i.e., when Kept floating, the Pin will be Pulled to Ground and the Device will be in OFF State.

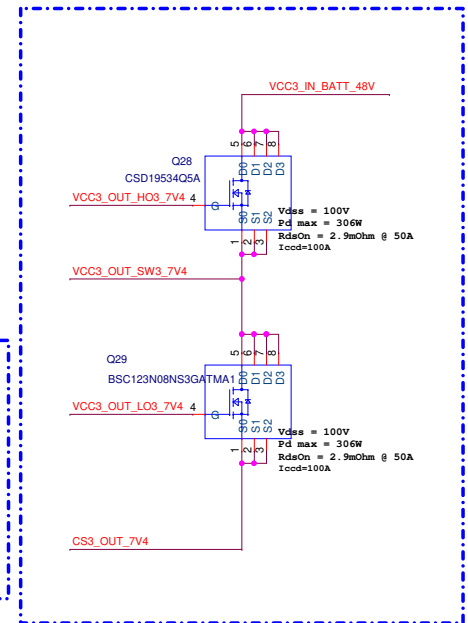


$$\frac{R_{FB2}}{R_{FB1}} = \frac{V_{OUT}}{1.215V} - 1$$

Vz Max = 100V
Vf Max = 1.25 V @ 150 mA



Place the Output decoupling Capacitors as close as possible to the IC's output pins.



LOOP COMPENSATION NETWORK

