



CSD16323Q3:  
 Rdson max = 6.5mOhms @Vgs=3V  
 and 5.5mOhms max @Vgs=4.5V  
 Qg total for 5V is 7nC

C19 & R14 for damping  
 when 12V plugged in

C4 has ESR up to 10mOhms  
 Target output impedance  
 of 14mOhms at 30kHz  
 which is loop crossover  
 Max deviation for 10A  
 step load should be less  
 than 140mV

Capacitor, Ceramic, 16V, X5R, 20%

Capacitor, Ceramic, 0805, 6.3V, X5R, 20%

For voltage loop testing

loop compensation targets 30kHz crossover  
 C15 & R8 updated for main choke now 2.2uHy: Sept 21

Title 3.3 or 12Vin 1.2V 10A out TPS40303 & TPS2412		
Size B	Number <b>PMP5140</b>	Rev A
Date Sept. 21, 2009	Drawn by Jgsh Mandelcorn	
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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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