

01_Cover page

ECBMOTORA Ver.B

Sheet 1	Cover Page
Sheet 2	CONN
Sheet 3	Motor_control

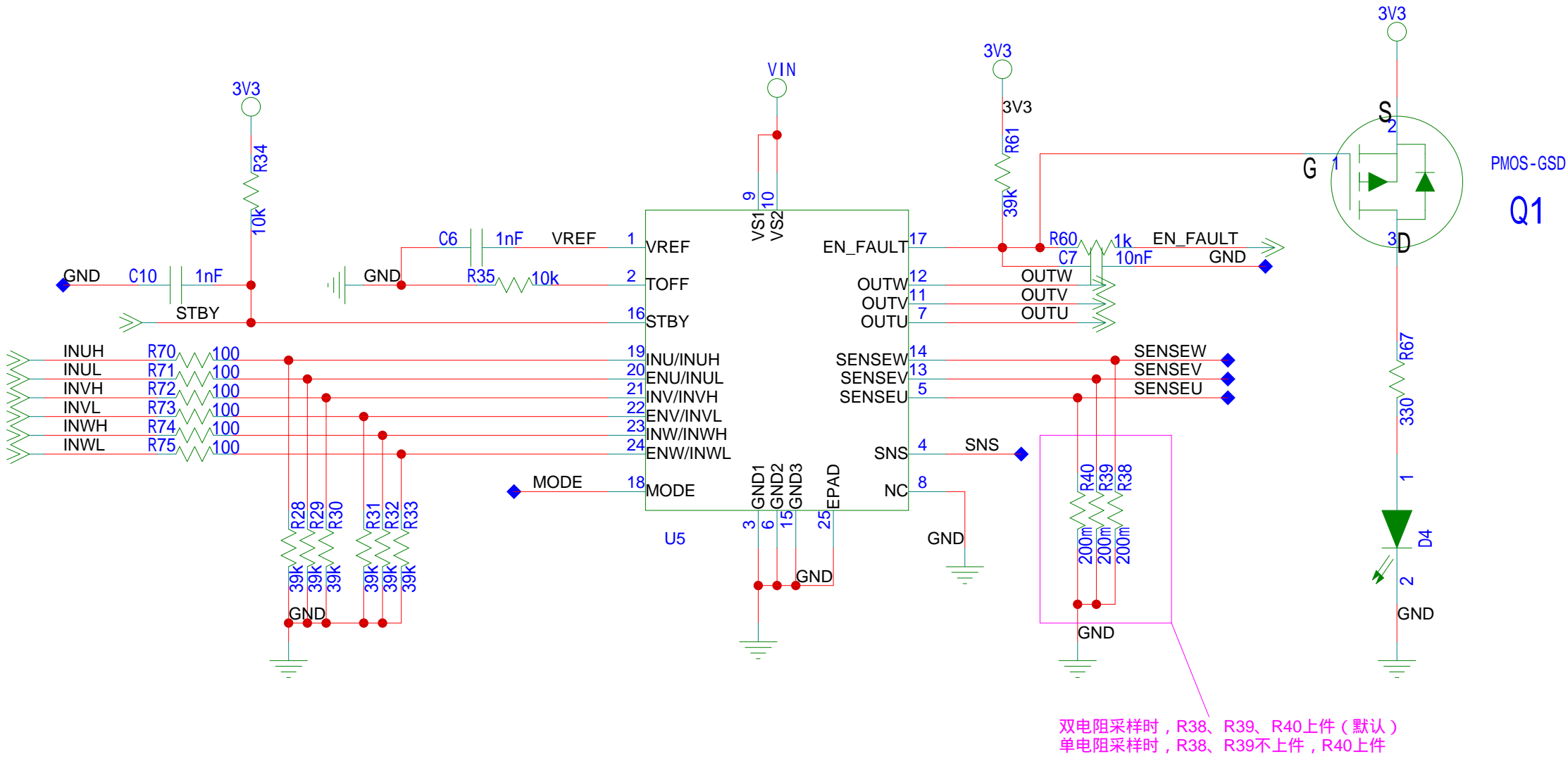
The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED		ECBMOTORA			
REVIEWED					
		VER	PART_NUMBER	SHEET	1 OF 3
		B			

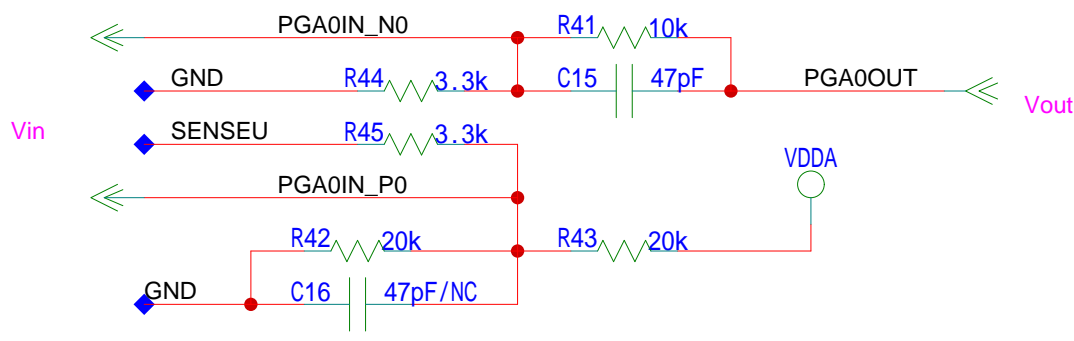
A

D

03_Motor_control

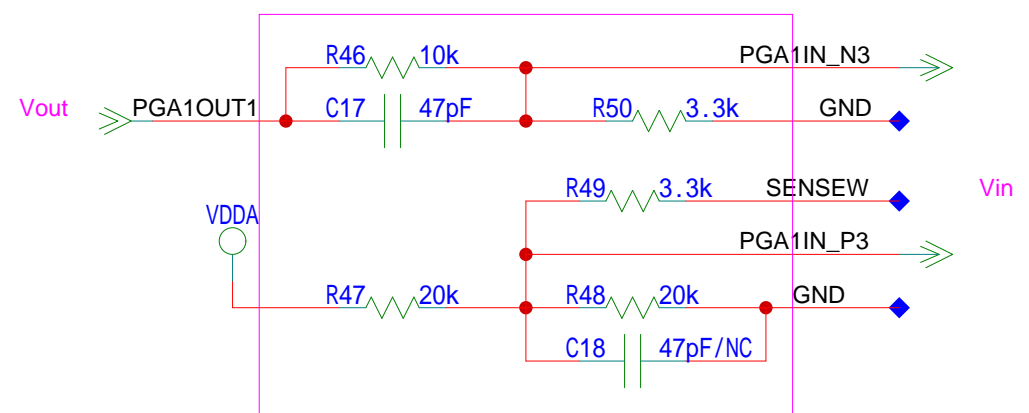


U相电流或总电流检测



$V_{out}=1.65V+3.03V_{in}$

W相电流检测



$V_{out}=1.65V+3.03V_{in}$

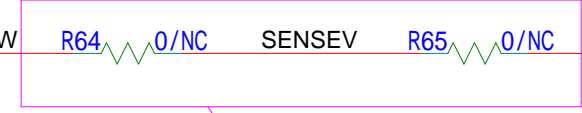
双电阻采样时, R38、R39、R40上件 (默认)
单电阻采样时, R38、R39不上件, R40上件

双电阻采样时, R46、R47、R48、R49、R50、C17上件 (默认)
单电阻采样时, R46、R47、R48、R49、R50、C17不上件

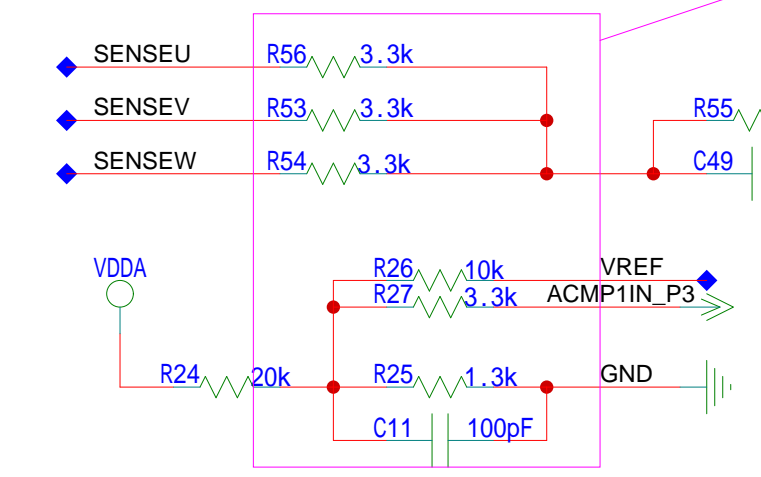


过流保护

双电阻采样时, R53、R54上件, R25上1.3K (默认), 总电流过流点3A
单电阻采样时, R53、R54不上件, R25上4.32K, 总电流过流点2.93A

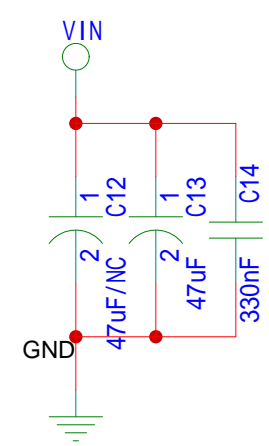


双电阻采样时, R64、R65不上件 (默认)
单电阻采样时, R64、R65上件



MCU内置比较器侦测过流

驱动芯片内置比较器侦测过流, 配合单电阻采样, 用总电流侦测过流



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				NA	
				ECA NO	DATE
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REVIEWED					
		VER	PART_NUMBER	SHEET	3 OF 3
		B			