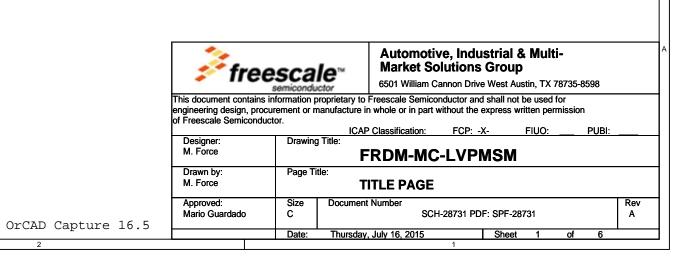
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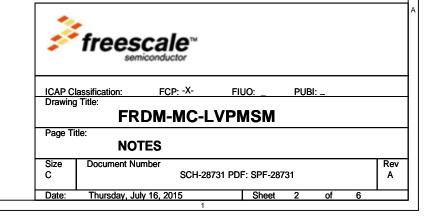
RevisionsRevDescriptionDateApprovedAInitial Release07/16/2015Mario Guardado

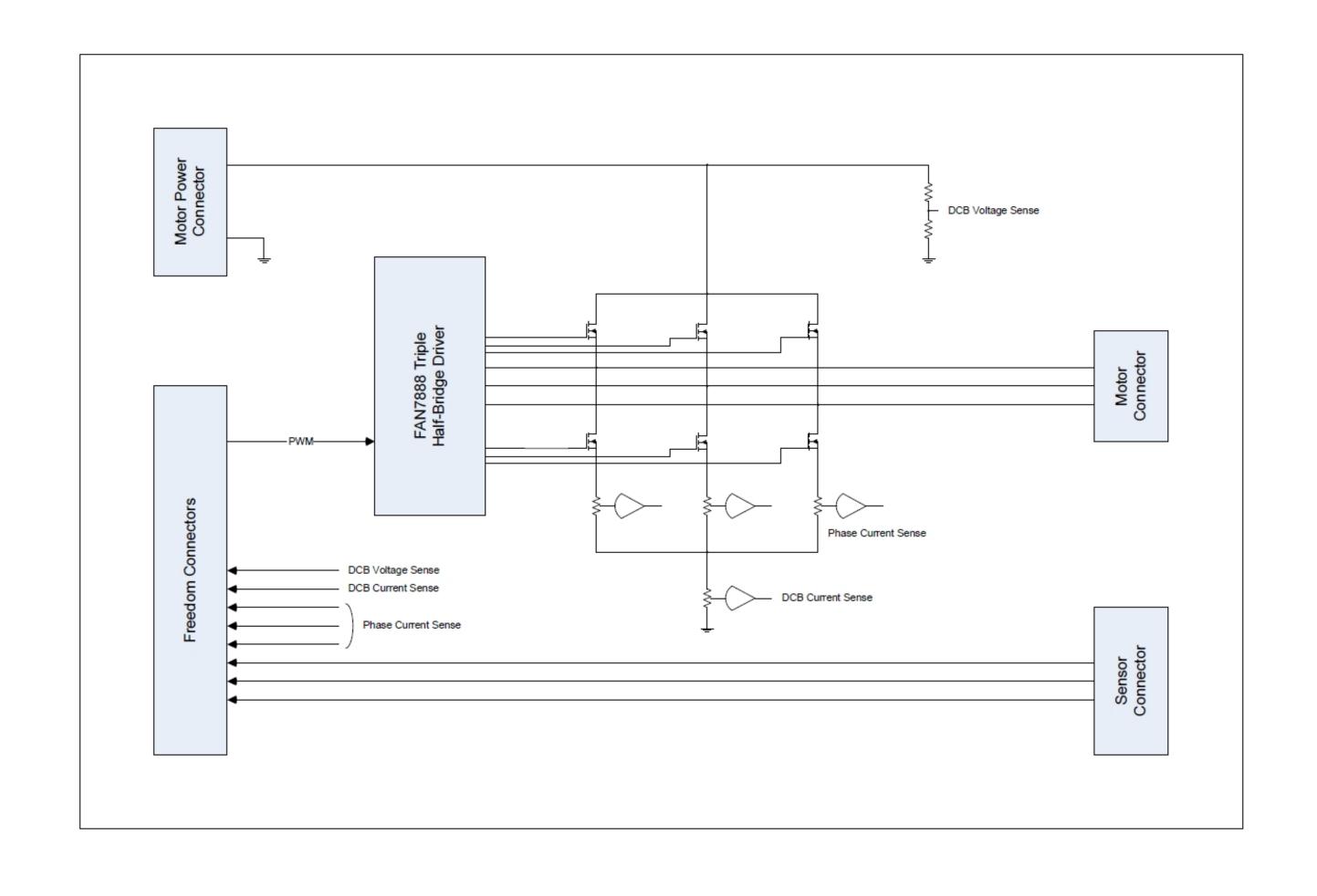
FREEDOM PMSM MOTOR DRIVER SHIELD



- 1. Unless Otherwise Specified:
 - All resistors are in ohms, 1% or 5%, 1/16 Watt
 - All capacitors are in uF, 10%, 50V
 - All voltages are DC
 - All polarized capacitors are aluminum electrolytic
- 2. Interrupted lines coded with the same letter or letter combinations are electrically connected.
- 3. Device type number is for reference only. The number varies with the manufacturer.
- 4. Special signal usage:
 - _B Denotes Active-Low Signal
 - <> or [] Denotes Vectored Signals
- Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.

MCU Peripheral / Port Map								
Function	MCU Peri	MCU Port						
PWM_AT	FTMO_CHO	PTC1						
PWM_AB	FTMO_CH1	PTC2						
PWM_BT	FTM0_CH2	PTC5						
PWM_BB	FTMO_CH3	PTC4						
PWM_CT	FTMO_CH4	PTD4						
PWM_CB	FTMO_CH5	PTD5						
CUR_A	ADC0_SE8	PTB0						
CUR_B	ADC1_DP0	ADC1_DP0						
CUR_C	ADC0_DP0	ADC0_DP0						
VOLT_DCB	ADC0_SE13	PTB3						
CUR_DCB	ADC1_SE18	ADC1_SE18						
HALL_A / ENC_A	FTM2_CH0	PTB18						
HALL_B / ENC_B	FTM2_CH1	PTB19						
HALL_C / ENC_I	FTM1_CH1	PTA13						





Freescale™ semiconductor									
ICAP Classification:		FCP: -X-	FIUO: _	PUBI	l: _				
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BLOCK DIAGRAM									
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