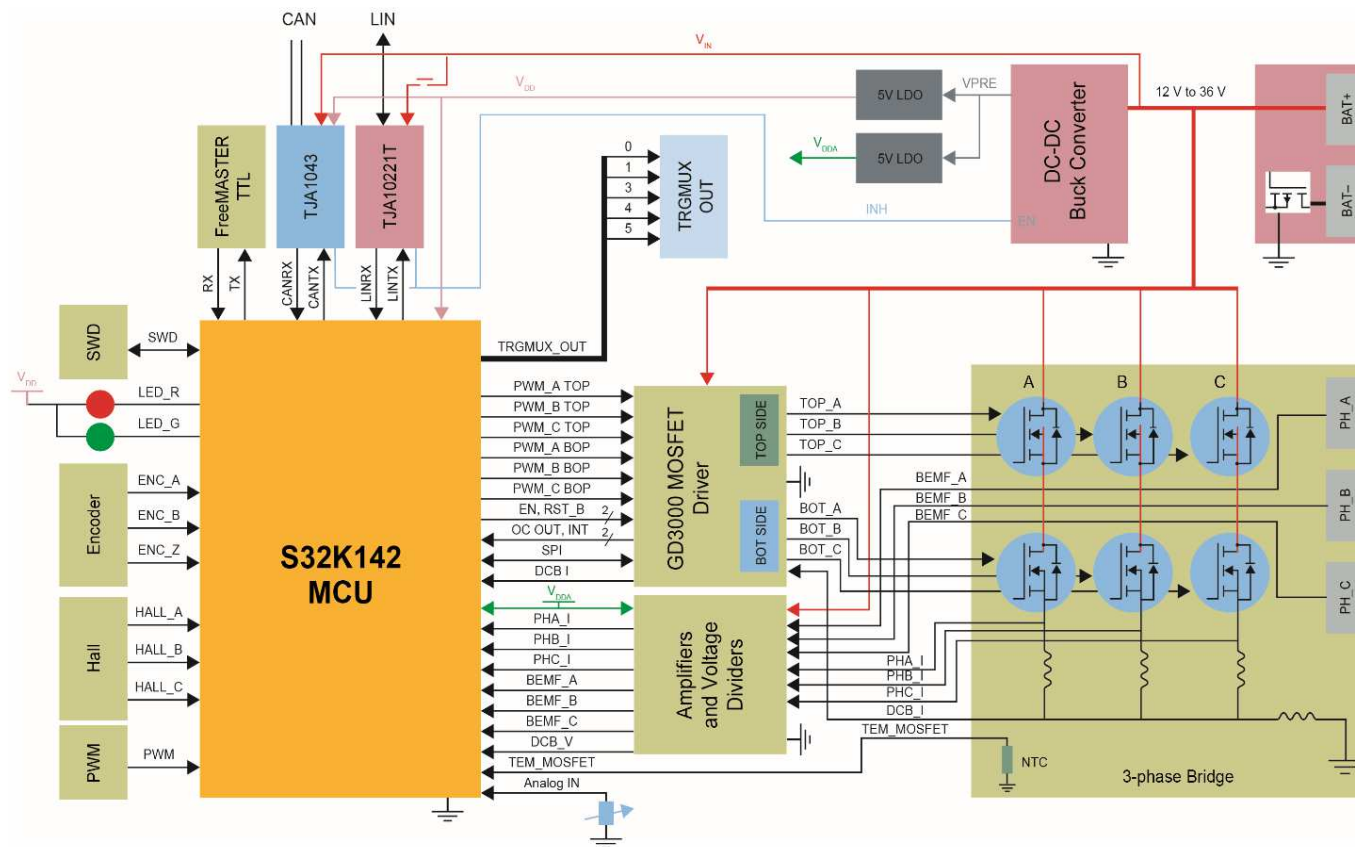


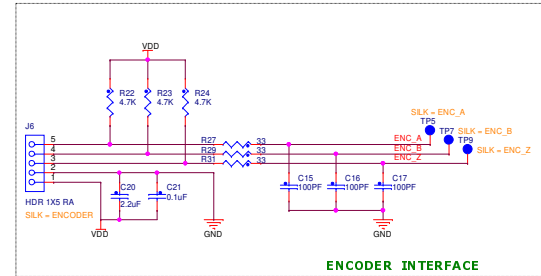
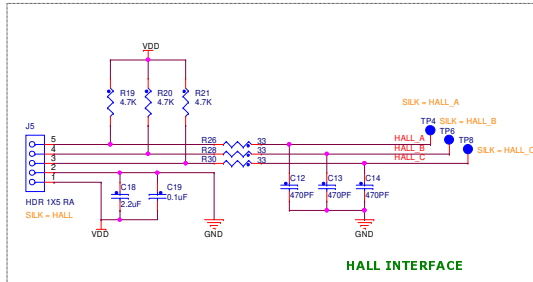
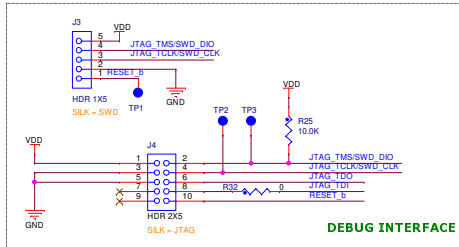
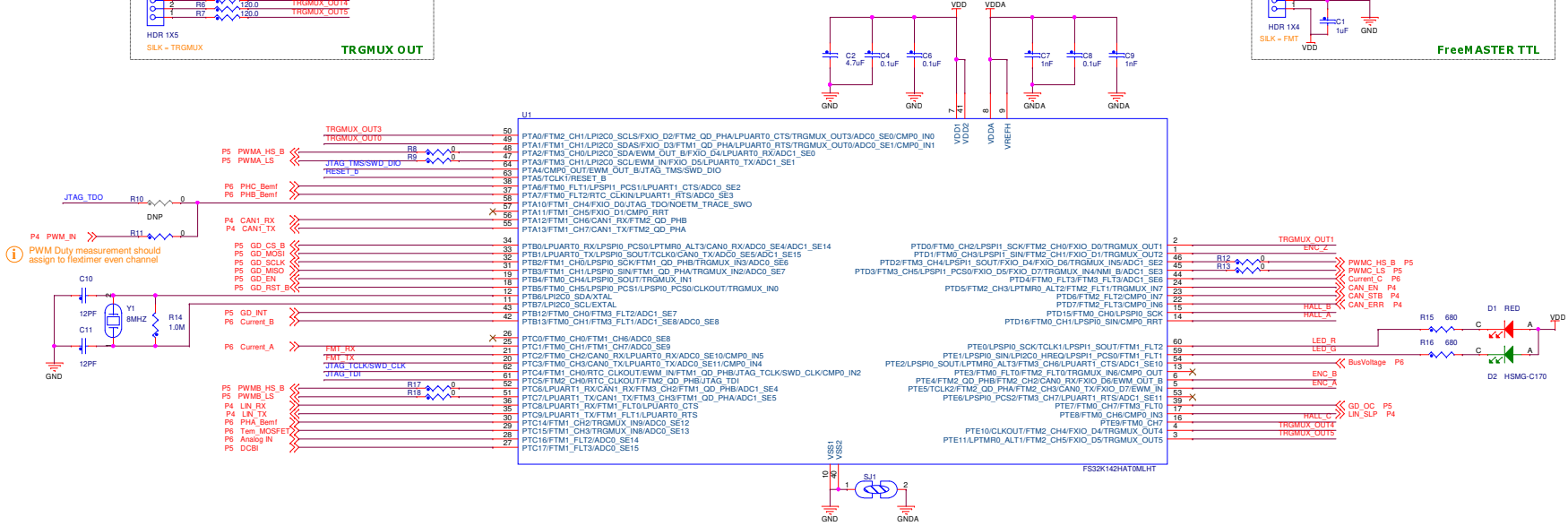
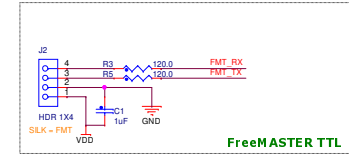
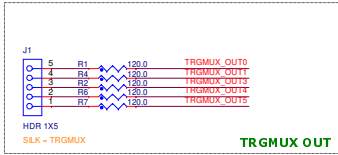
- Unless Otherwise Specified:
All resistors are in ohms, 5%, 1/10 Watt
All capacitors are in uF, 20%, 50V
All voltages are DC
All polarized capacitors are aluminum electrolytic
- Interrupted lines coded with the same letter or letter combinations are electrically connected.
- Device type number is for reference only. The number varies with the manufacturer.

- 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.



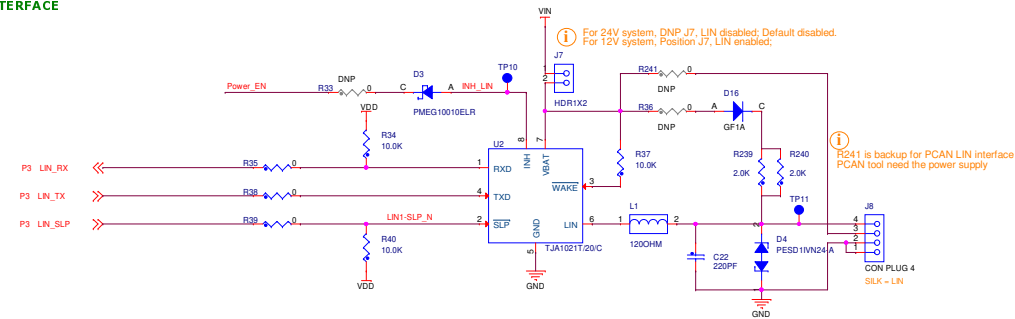
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Drawing Title: MCSXTE2BK142		
Page Title: NOTES/ BLOCK DIAGRAM		
Size C	Document Number SCH-47236 PDF: SPF-47236	Rev A1
Date: Thursday, May 14, 2020	Sheet 2 of 8	

S32K142 - Microcontroller

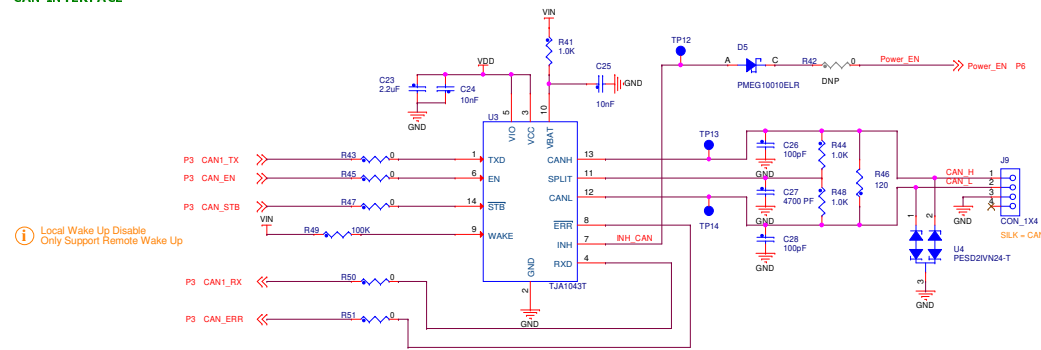


Communication

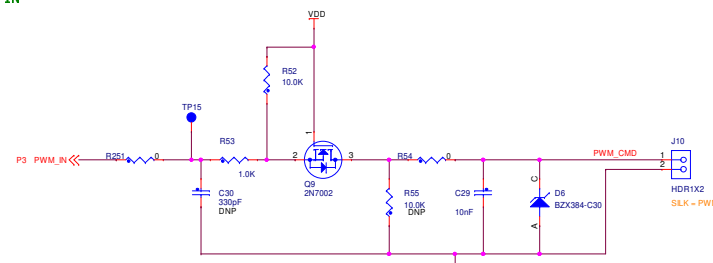
LIN INTERFACE



CAN INTERFACE



PWM IN



Classification: Public

Classification:
Drawing Title:

MCSXTE2BK142

Page Title:

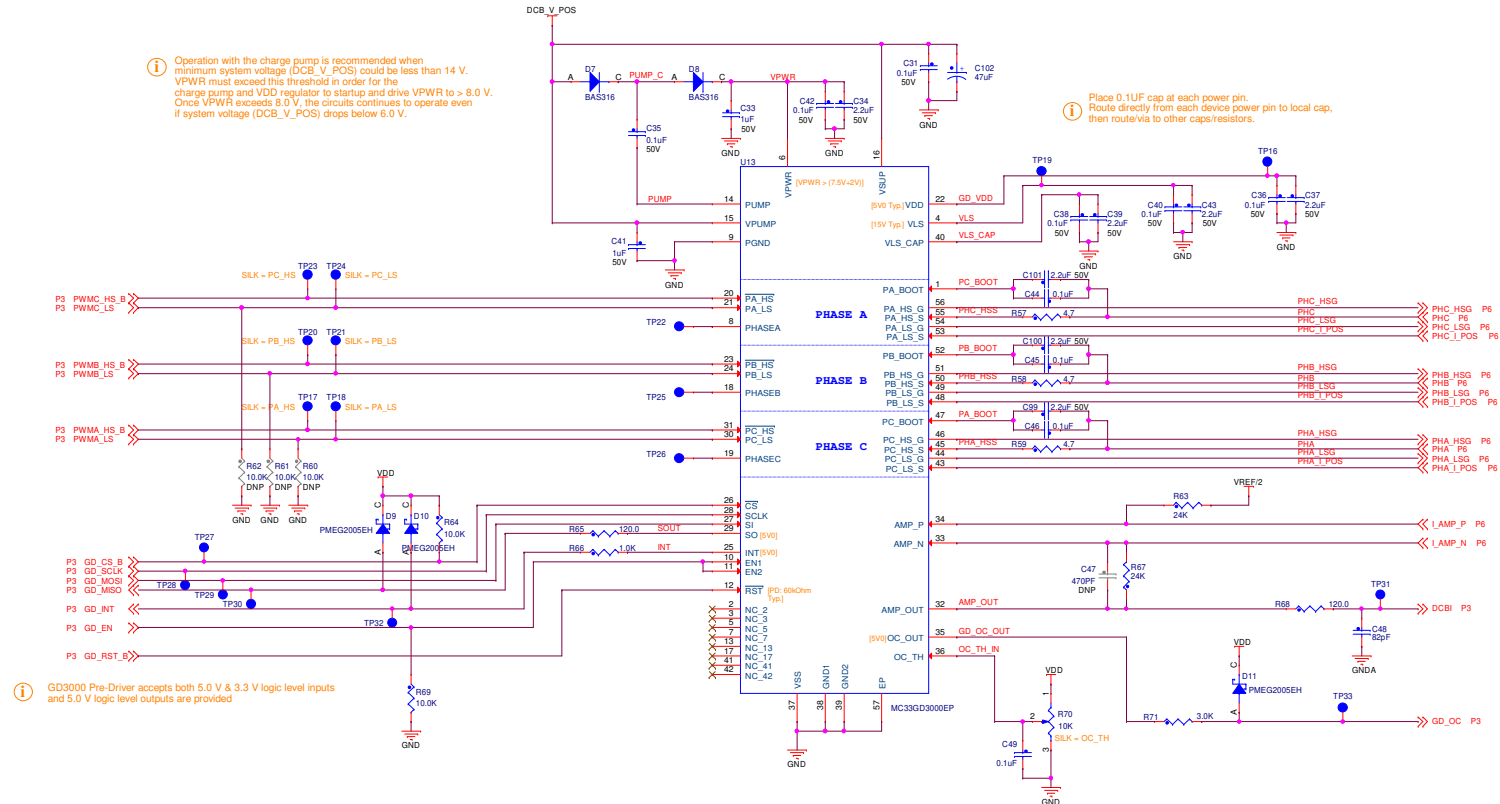
Communication

Size C	Document Number SCH-47236 PDF: SPF-47236
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A1

GD3000 - THREE PHASE FET PRE-DRIVER



DC BUS Current Sensing: DCBI
 Gain (A) = $24K / 1K = 24$
 $V_{dcbi} = (I_{dcb} \cdot 0.001 \cdot 24) + 2.5V$
 $I_{dcb} = <104 \dots 104> [amps]$ Max
 $V_{dcbi} = <0 \dots 5.0> [V]$



