

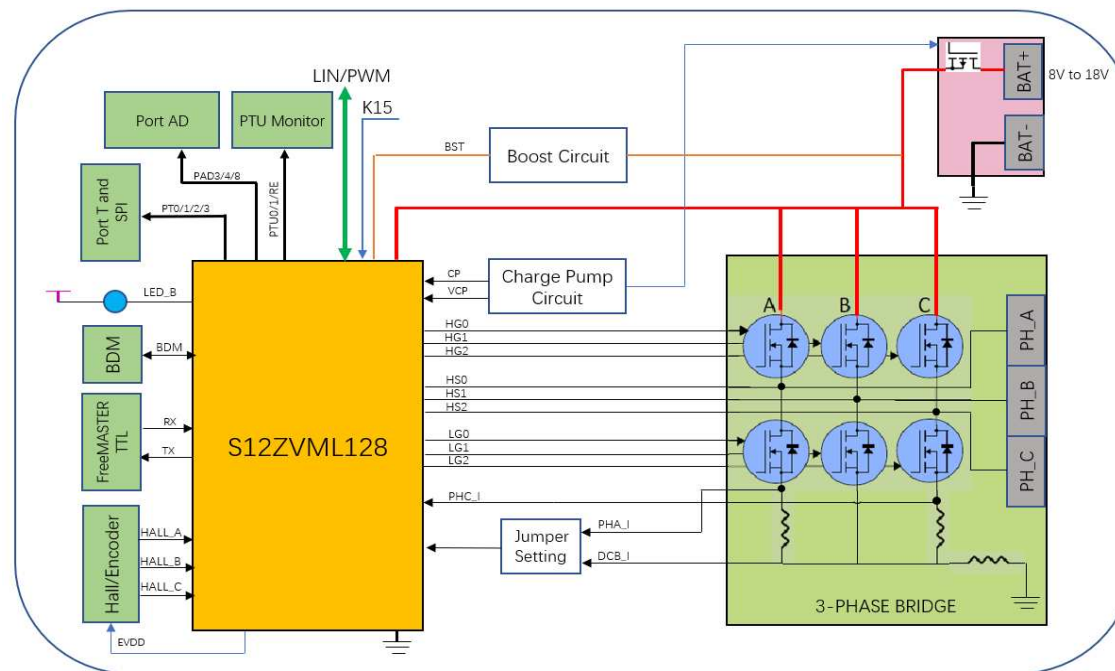
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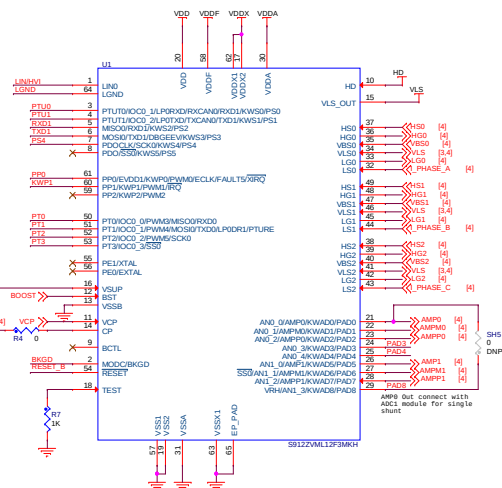
Revisions			
Rev	Description	Date	Approved
X1	Developement Release	May-8-2019	M. PACHA & P. VARECHA
A	Final Release	Jun-24-2019	M. PACHA & P. VARECHA
B	1.Add R94 for LIN tool supply 2.Change the current sampling voltage offset from VDDX to EVDD	Nov-25-2019	M. PACHA & P. VARECHA

X-S12ZVM-EFP
PMSM - FUEL PUMP REFERENCE DESIGN

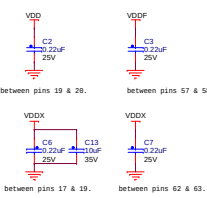
		Automotive, Industrial & Multi-market Solutions Group 6001 William Cannon Drive West Austin, TX 78735-6099	
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Drawing Title: Designer: Raymond Tang		Page Title: X-S12ZVM-EFP	
Drawn By: Raymond Tang		TITLE PAGE	
Approved: M. PACHA & P. VARECHA	Size C	Document Number SCH-45795 PDF: SPY-45795	Rev B
Date: Monday, November 25, 2019		Sheet 1	of 4

- Unless Otherwise Specified:
All resistors are in ohms, 1%, 1/8 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.

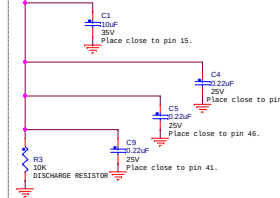




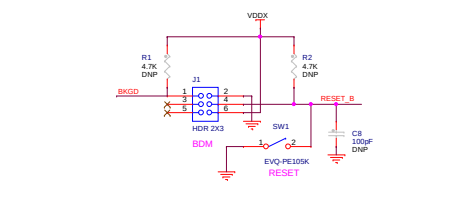
Bypass & Decoupling Caps



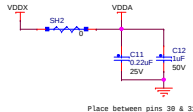
Bridge Driver Supply Voltage



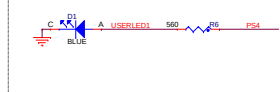
BDM Interface & Reset



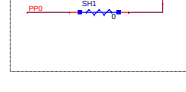
VDDA Supply



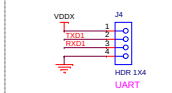
User LEDs



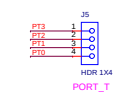
EVDD



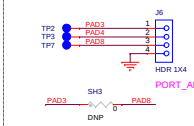
FreeMASTER UART TTL



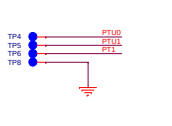
Port T and SPI



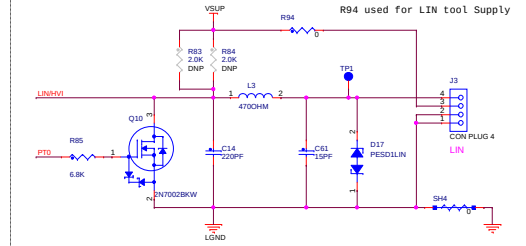
Port AD



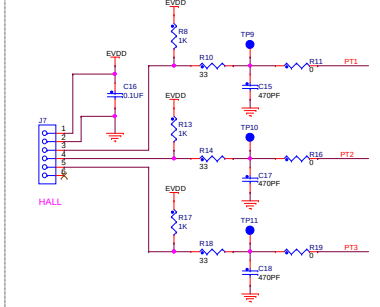
PTU Monitor



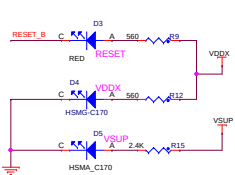
LINPHY



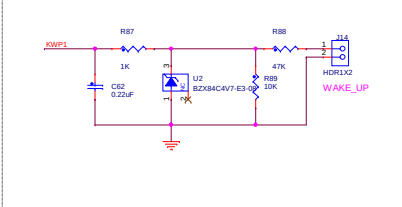
HALL sensor / Encoder Interface



POWER LEDS



K15 Wakeup



Classification: Company Internal/Proprietary

Drawing Title:

X-S12ZVM-EFP

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MCU

Size

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B

