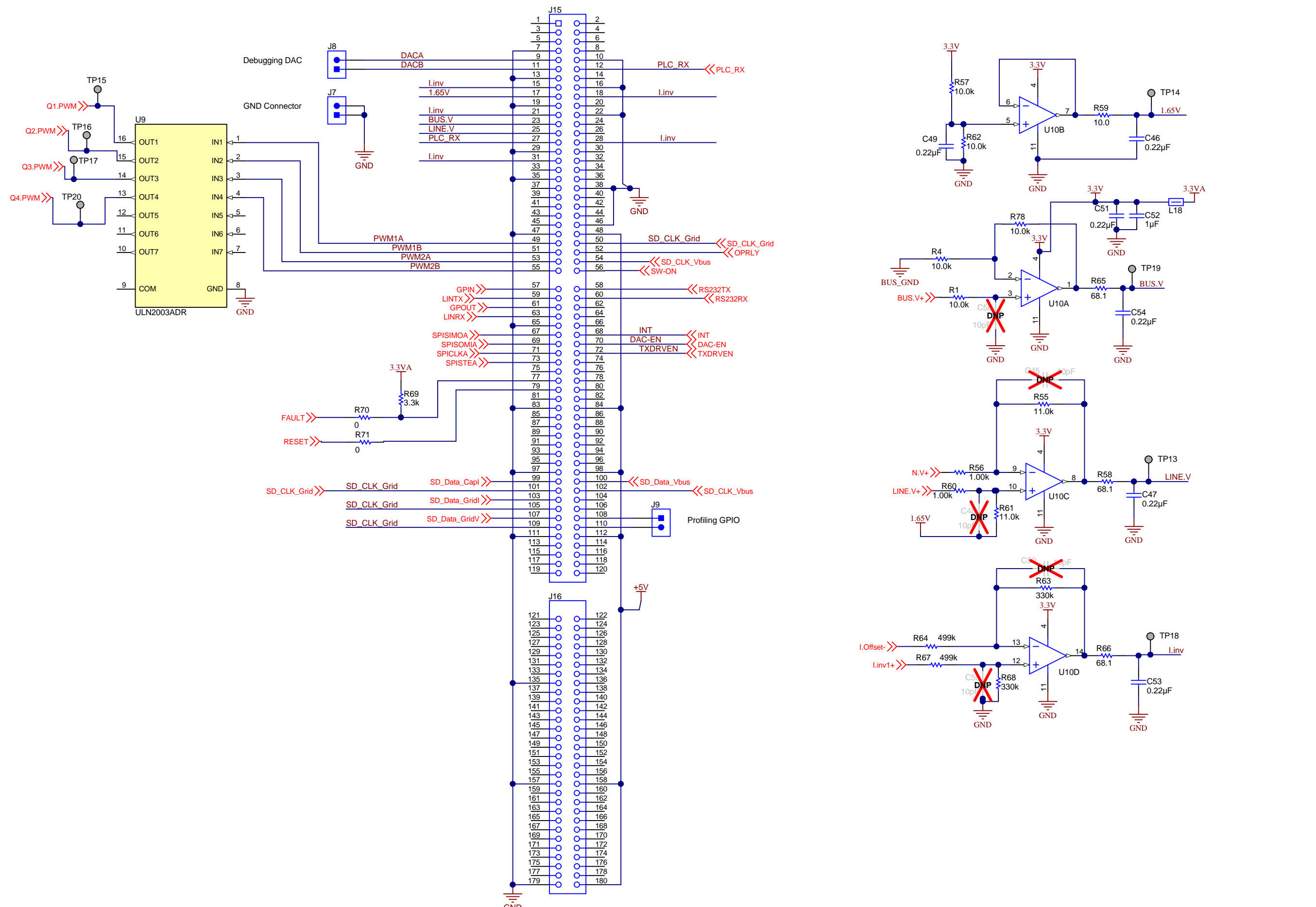


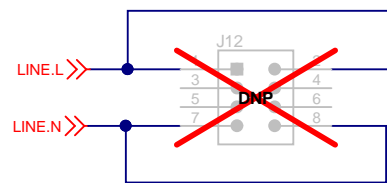
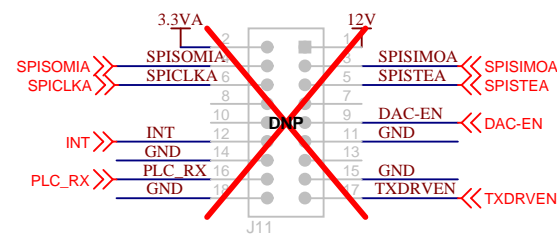
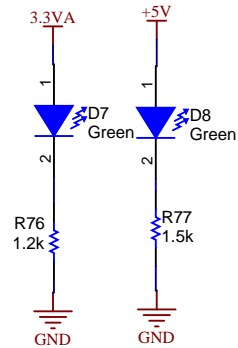
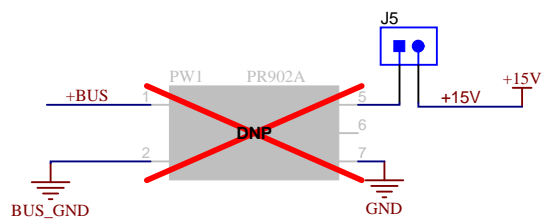
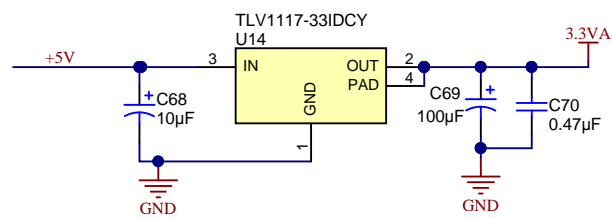
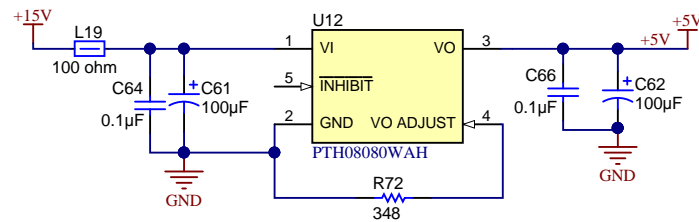
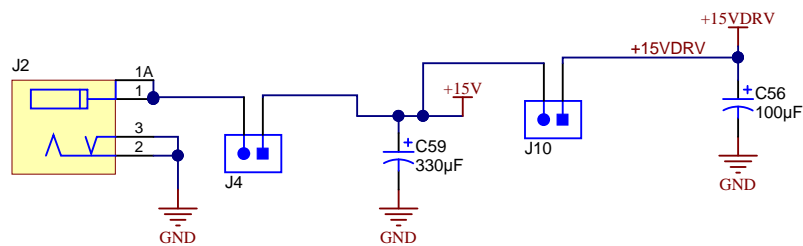
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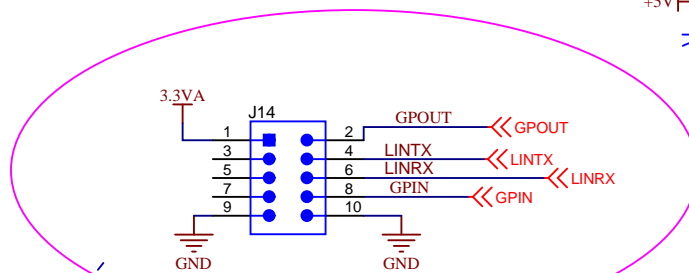
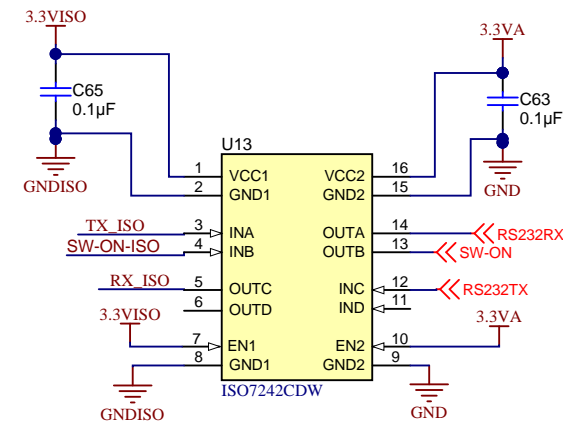
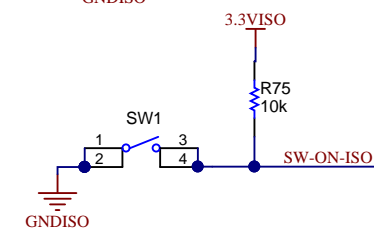
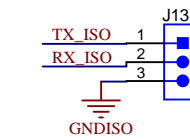
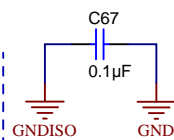
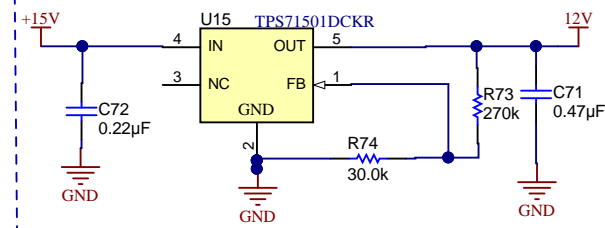
Please use HSEC180 PCB snippet.

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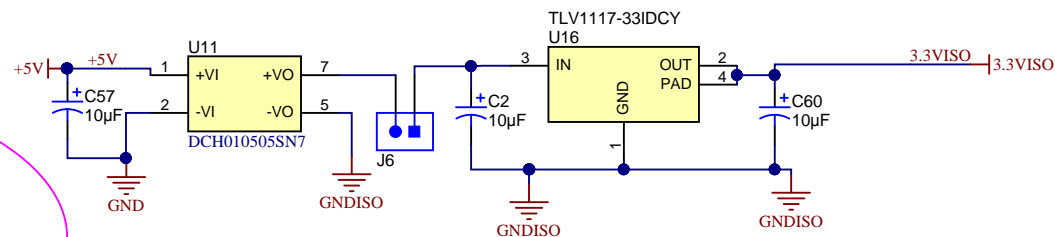
Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 8/29/2016
TID #: TIDM-HV-1PH-DCAC	Project Title: TIEVM-HV-1PH-DCAC	<b>R3</b>
Number: MCU001	Rev: A	Sheet Title: Controller.SchDoc
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 2 of 4
Drawn By:	File: Controller.SchDoc	Size: B
Engineer: Manish Bhardwaj	Contact: <a href="https://e2e.ti.com/support/microcontrollers/c2000">https://e2e.ti.com/support/microcontrollers/c2000</a>	© Texas Instruments 2016

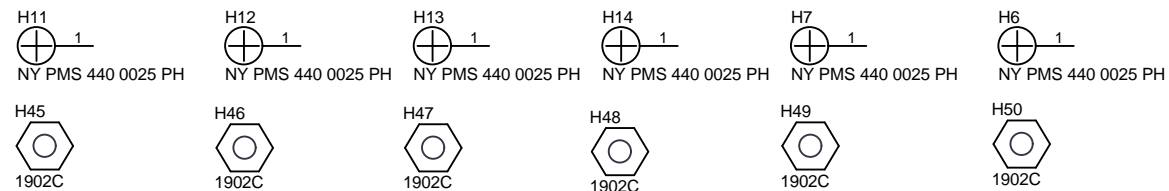


The PLC interface part



The signal interface with DC-DC board





PCB Number: MCU001  
PCB Rev: A

PCB LOGO  
Texas Instruments  
Pb-Free Symbol  
FCC disclaimer

CAUTION! High Voltage Input

PCB LOGO  
CAUTION! Read User Guide Before Operating  
110-220Vrms, 50-60Hz

CAUTION! HOT SURFACE!

CAUTION! High Voltage

Note Variant 2 is not an orderable variant, customer must modify the board to use it in Grid Connected Inverter Mode

Variant/Label Table	
Variant	Label Text
001	TIEVM-HV-1PH-DCAC
002	TIEVM-HV-1PH-DCAC-GCI

LBL1  
PCB Label  
Size: 0.65" x 0.20"

CAUTION! HOT SURFACE !

ZZ1  
Label Assembly Note  
This Assembly Note is for PCB labels only

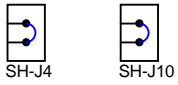
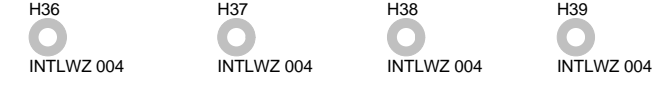
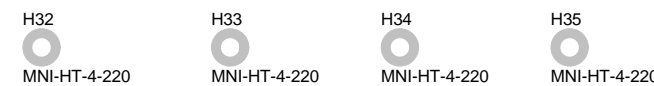
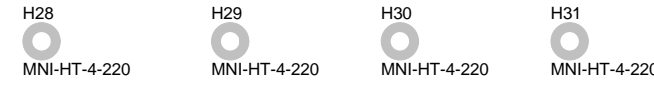
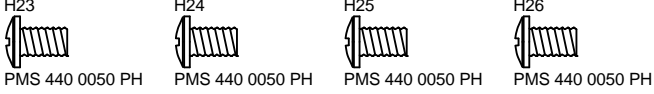
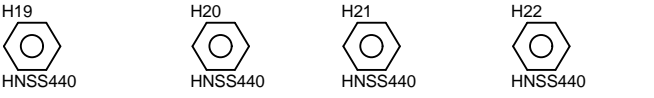
ZZ2  
Assembly Note  
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3  
Assembly Note  
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4  
Assembly Note  
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

ZZ5  
Assembly Note  
Install wire per the BOM item H40 and H41

ZZ6  
Assembly Note  
First Mount Q1-D1, Q2-D2, Q3-D3 & Q4-D4 across Heat sinks H1-H4, Use SIL1-8 pad, H19-H26 screw and bolt, H36-H39 lock washer and H28-H35 insulators. Use H8-10, H15-18, H27 pads for the heat sink before mounting on the board



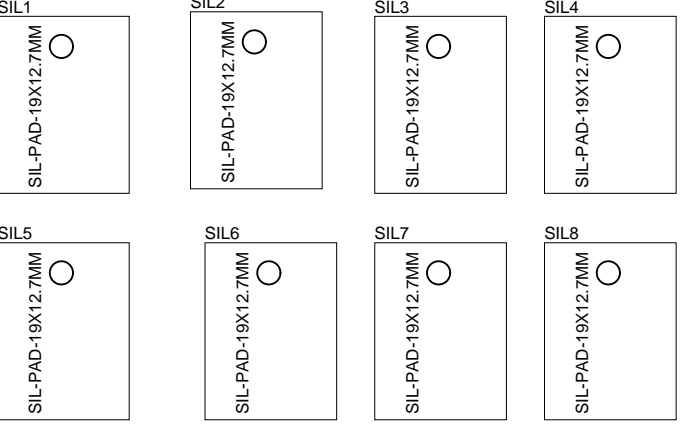
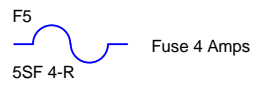
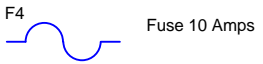
H40  
MECH  
18 AWG Insulated(PVC) Wire Cut 2 inches, Alpha Wire Part Number 461816 BL005

H41  
MECH  
18 AWG Insulated(PVC) Wire Cut 2 inches, Alpha Wire Part Number 461816 BL005

H42  
MECH  
83500000005

H43  
MECH  
83500000005

H44  
MECH  
83500000005



Orderable: <a href="#">ChangeMe!</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 9/30/2016
TID #: TIDM-HV-1PH-DCAC	Project Title: TIEVM-HV-1PH-DCAC	
Number: MCU001	Rev: A	Sheet Title: Hardware.SchDoc
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 4 of 4
Drawn By: Manish Bhardwaj	File: Hardware.SchDoc	Size: B
Engineer: Manish Bhardwaj	Contact: <a href="https://e2e.ti.com/support/microcontrollers/c2000">https://e2e.ti.com/support/microcontrollers/c2000</a>	

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