

BoilerControl

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1

MSheet

2

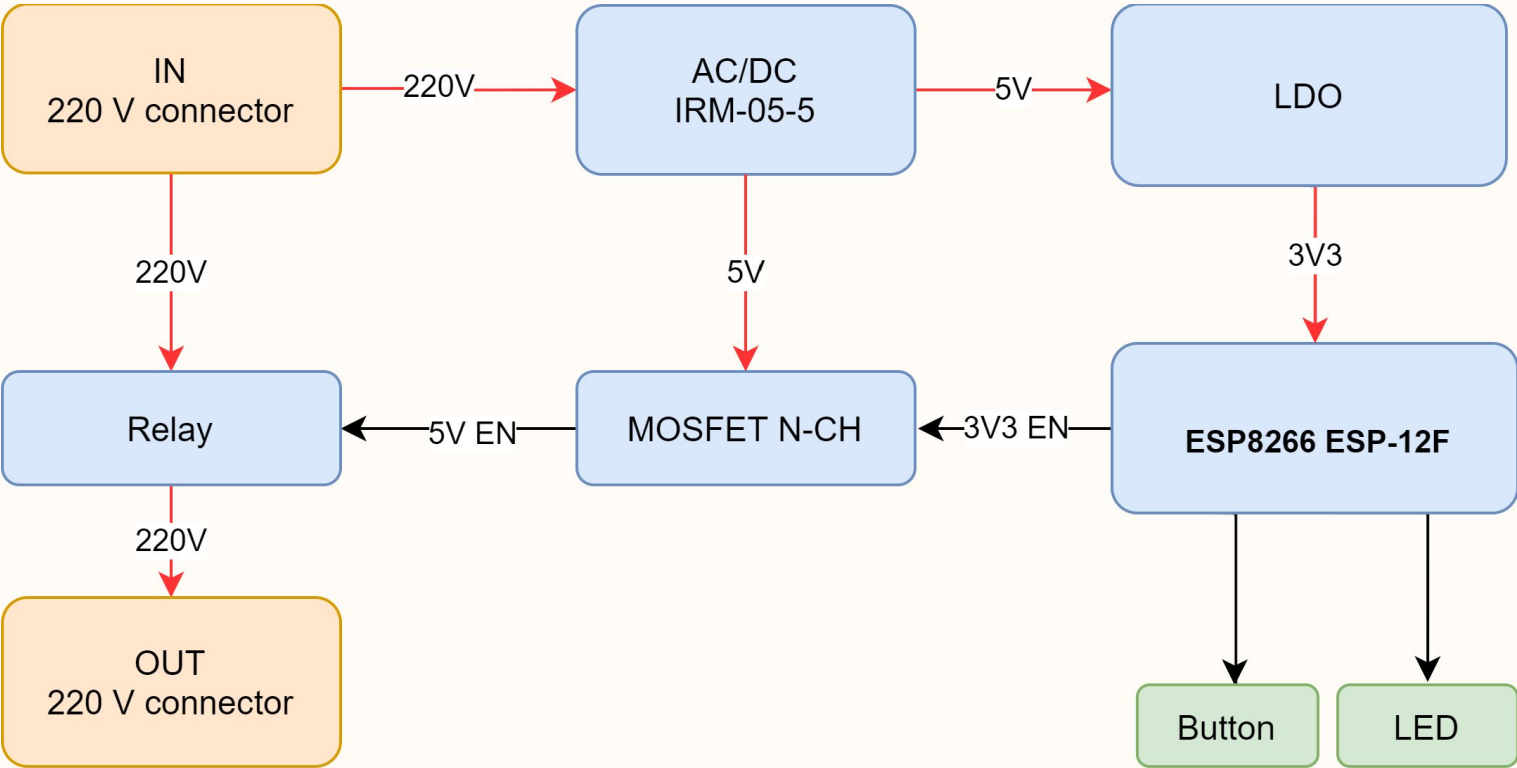
AC_DC Power Supply

3

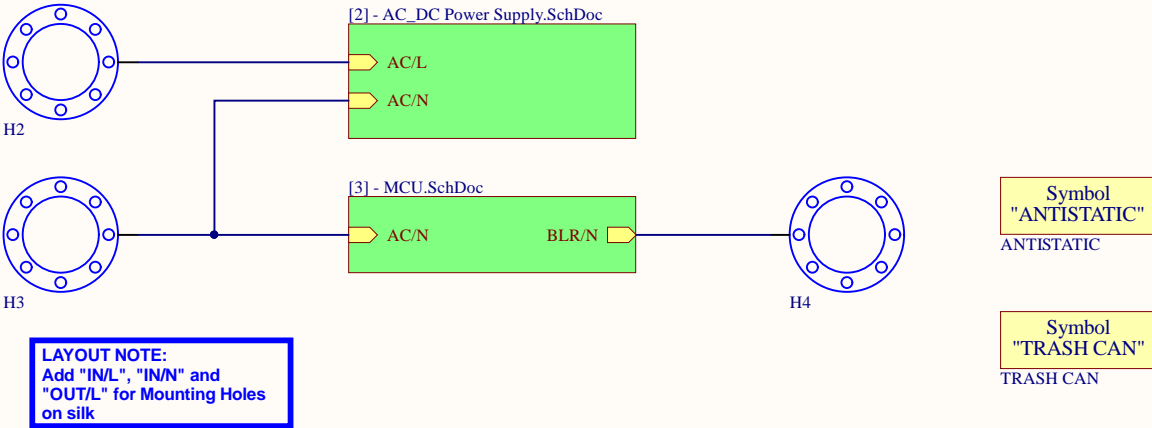
CPU

Rev.01 History

#	Description	Status	Date	Notes
1				
2				
3				



Master Sheet



DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational
design notes.

DESIGN NOTE:
Example text for cautionary
design notes.

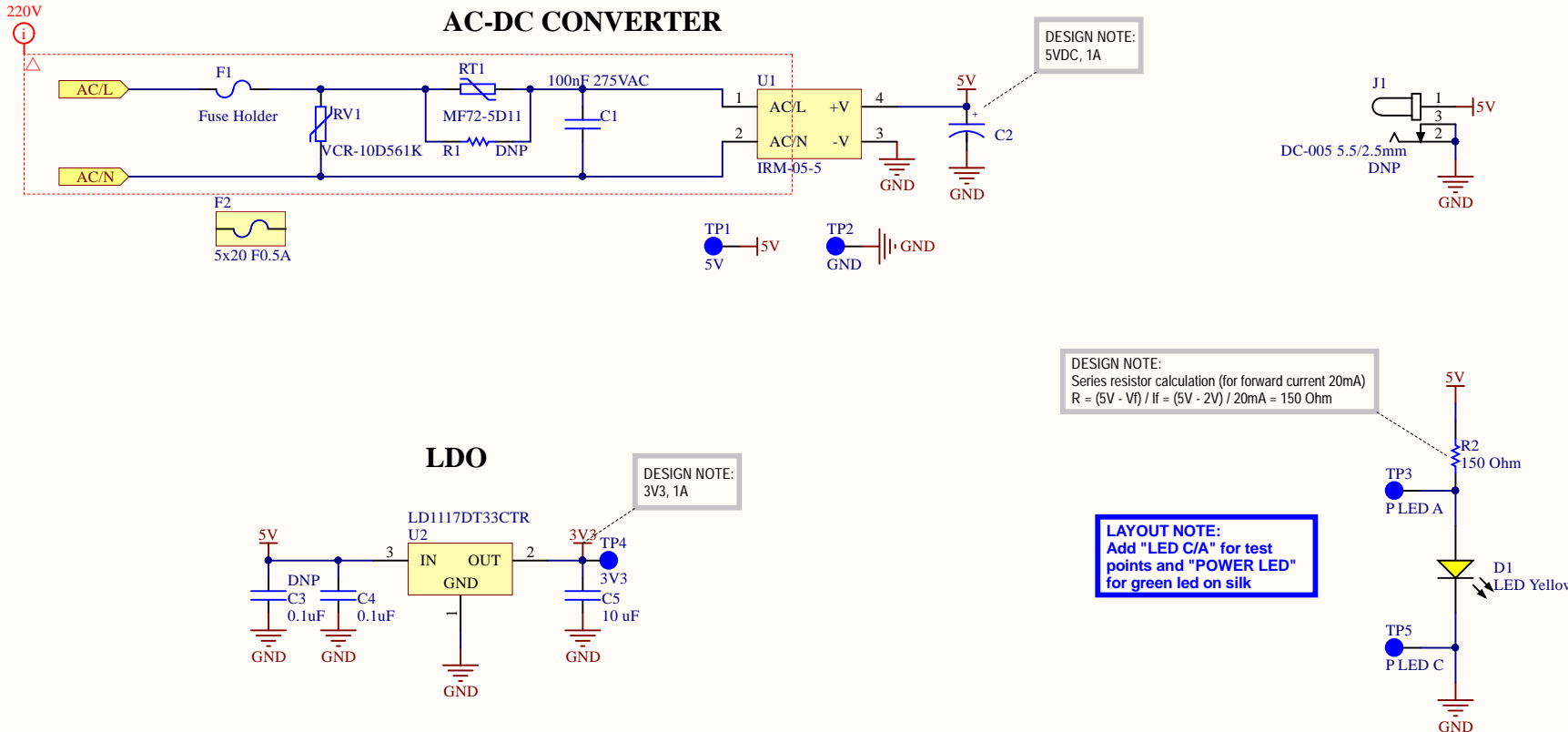
DESIGN NOTE:
Example text for debug notes.

DESIGN NOTE:
Example text for critical
design notes.

LAYOUT NOTE:
Example text for critical
layout guidelines.

Project :	-SCH--R		
File :	[1] - MSheet.SchDoc		
Date :	20.10.2020	Rev:	01
Designed by :	Eugene Kolesnyk	Sheet:	1 of 3

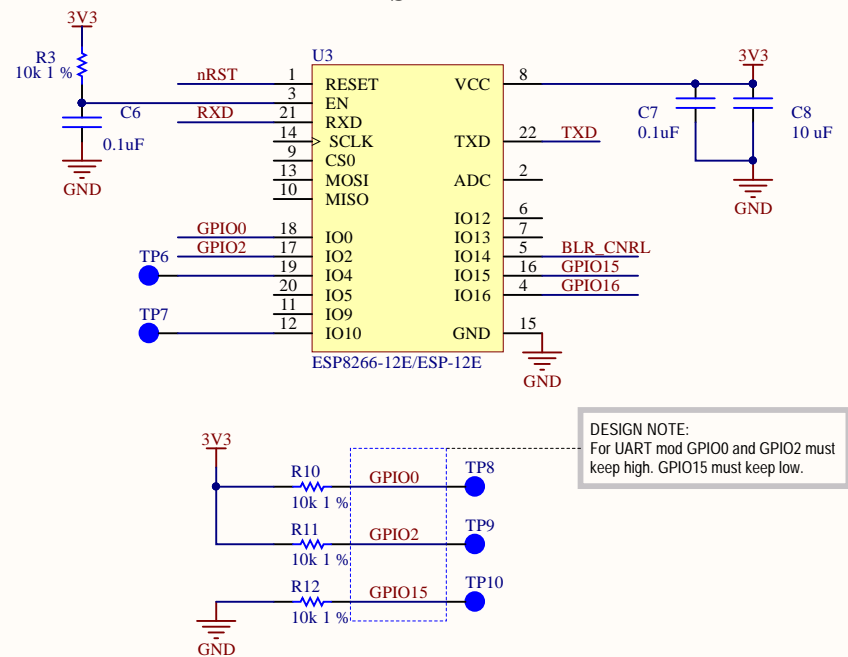
AC_DC Power Supply



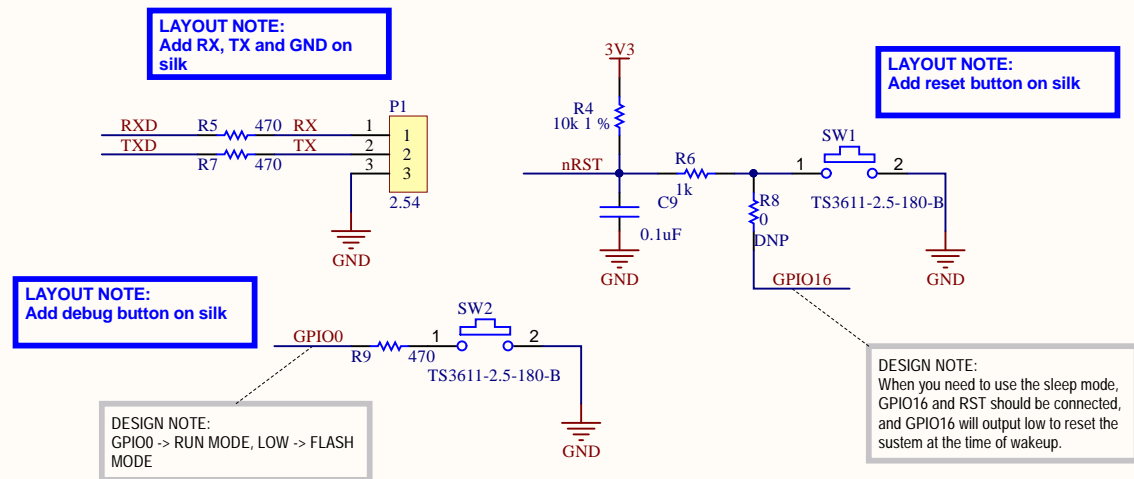
Project :	-SCH--R		
File :	[2] - AC_DC Power Supply.SchDoc		
Date :	20.10.2020	Rev:	01
Designed by :	Eugene Kolesnyk	Sheet:	2 of 3

MCU

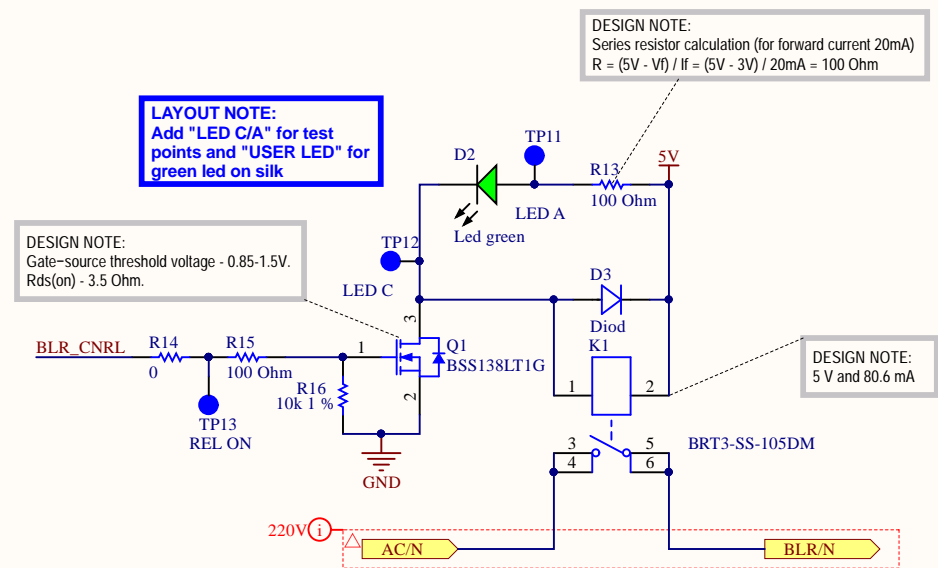
ESP-12



DEBUG AND PROG



POWER SWITCHING



Parameters	Min	Typical	Max	Unit
Tx802.11b, CCK 11Mbps, P OUT=+17dBm		170		mA
Tx 802.11g, OFDM 54Mbps, P OUT =+15dBm		140		mA
Tx 802.11n, MCS7, P OUT =+13dBm		120		mA
Rx 802.11b, 1024 bytes packet length, -80dBm		50		mA
Rx 802.11g, 1024 bytes packet length, -70dBm		56		mA
Rx 802.11n, 1024 bytes packet length, -65dBm		56		mA
Modem-Sleep①		15		mA
Light-Sleep②		0.9		mA
Deep-Sleep③		10		uA

Project :	-SCH--R		
File :	[3] - MCU.SchDoc		
Date :	20.10.2020	Rev:	01
Designed by :	Eugene Kolesnyk	Sheet:	3 of 3