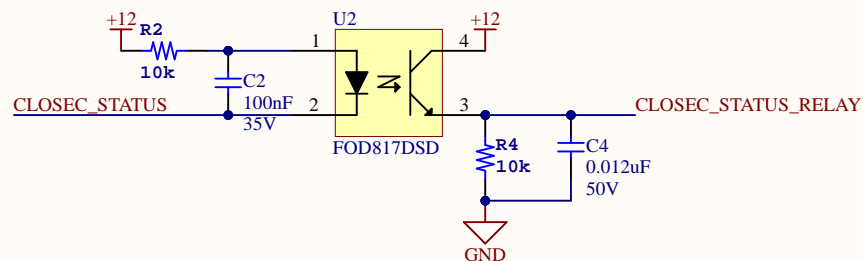
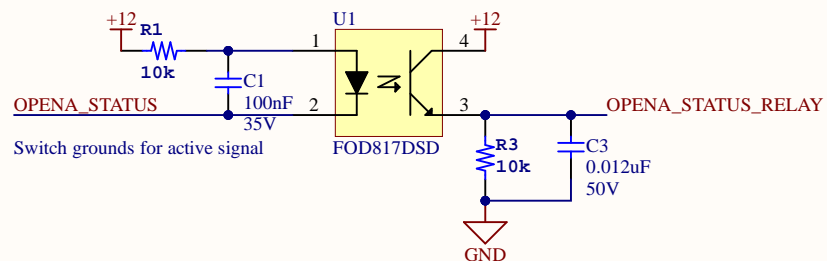


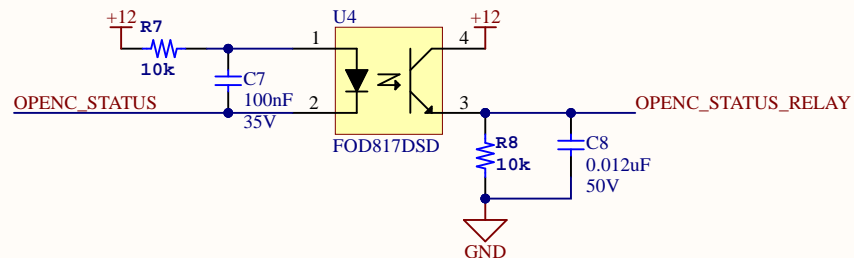
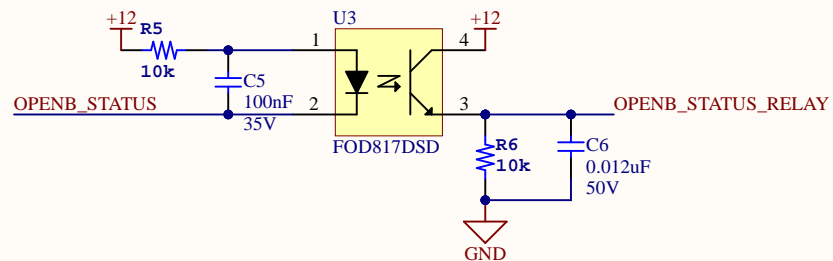
A

A



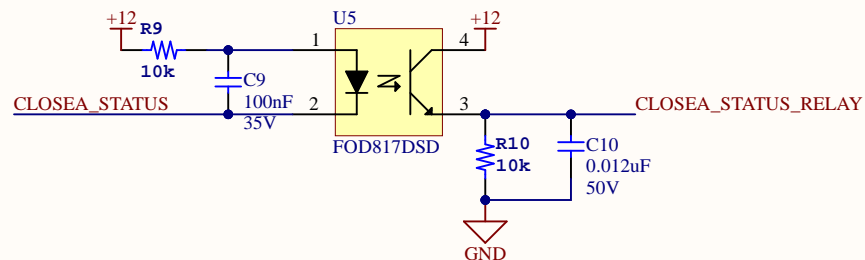
B

B



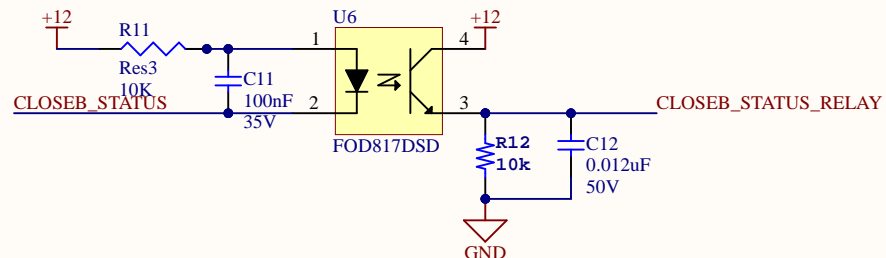
C

C

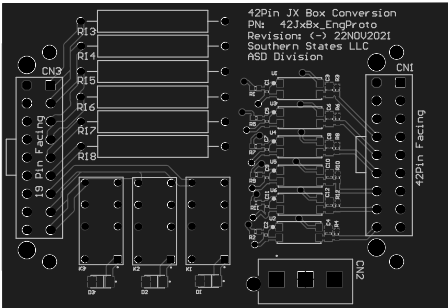


D

D



Title		
Size	Number	Revision
A		
Date:	1/03/2022	Sheet of
File:	C:\Repository\...\Sheet2.SchDoc	Drawn By:



EB - Pilot Only
Black Soldermask
White Silkscreen
Must meet IPC-6012C
62 mils Standard Board +/- 10%
2 oz Copper
Gold Immersion
FR406
Stack:
Top Signal/GND Pour - Copper 1.35 mils
Prepreg 9.8 mils
Mid Signal/GND Pour - Copper 1.35 mils
Core 35 mils
Mid Signal/GND Pour - Copper 1.35 mils
Prepreg 9.8 mils
Bottom Signal/GND Pour - Copper 1.35 mils

				SOUTHERN STATES, LLC 30 GEORGIA AVE HAMPTON, GA 30028	
				aBOM Version	11/08/2021
				ASSY VERSION	N/A
				eBOM VERSION	42JxBx_EngProto_eBOM_11082021
				PCB VERSION	Rev (-) 11/22/2021
-	PCB Copper Corrections	11/22/2021		DRAWN BY	NMULKEY 11/22/2021
	INITIAL RELEASE	11/08/2021	NAM	PN: 42JxBx_EngProto 42 Pin Junction Box Conversion PCB	
REV	DESCRIPTION	DATE	BY	PART NUMBER	42JxBx_EngProto

Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	CAP CER 10% 0603	C1, C2, C5, C7, C9, C11	C0603N	CAP_0603	6
0.012uF	CAP CER 10% 0805	C3, C4, C6, C8, C10, C12	C0805K	CAP_0805	6
0039299183	Connector Header Through Hole 18 position 0.165" (4.20mm)	CN1, CN3	0039299183	0039299183 - 18 pin molex mini fit jr 5566	2
15-31-1036		CN2	Molex_15-31-1036_0	15-31-1036	1
S1A-13-F		D1, D2, D3	Micro_Commercial_D O-214AC_MFG	FM2000GP	3
DS2Y-S-DC24V		K1, K2, K3	Panasonic_DS2Y-S- DC24V_0	DS2Y-S-DC24V	3
10k	RES SMD 1/10W 0603 1%, RES SMD 1/10W 0603 0.1%	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R12	R0603N	RES_1/10W_0603_1% , RES_1/10W_0603_0.1%	11
Res3	Resistor	R11	J1-0603	Res3	1
AC07000001502JAC00		R13, R14, R15, R16, R17, R18	AC07000001502JAC00	AC07000001502JAC00	6
FOD817DSD	OPTOISOLATOR 5KV TRANSISTOR 4SMD	U1, U2, U3, U4, U5, U6	4-SMD GullWing	108-00030-001	6