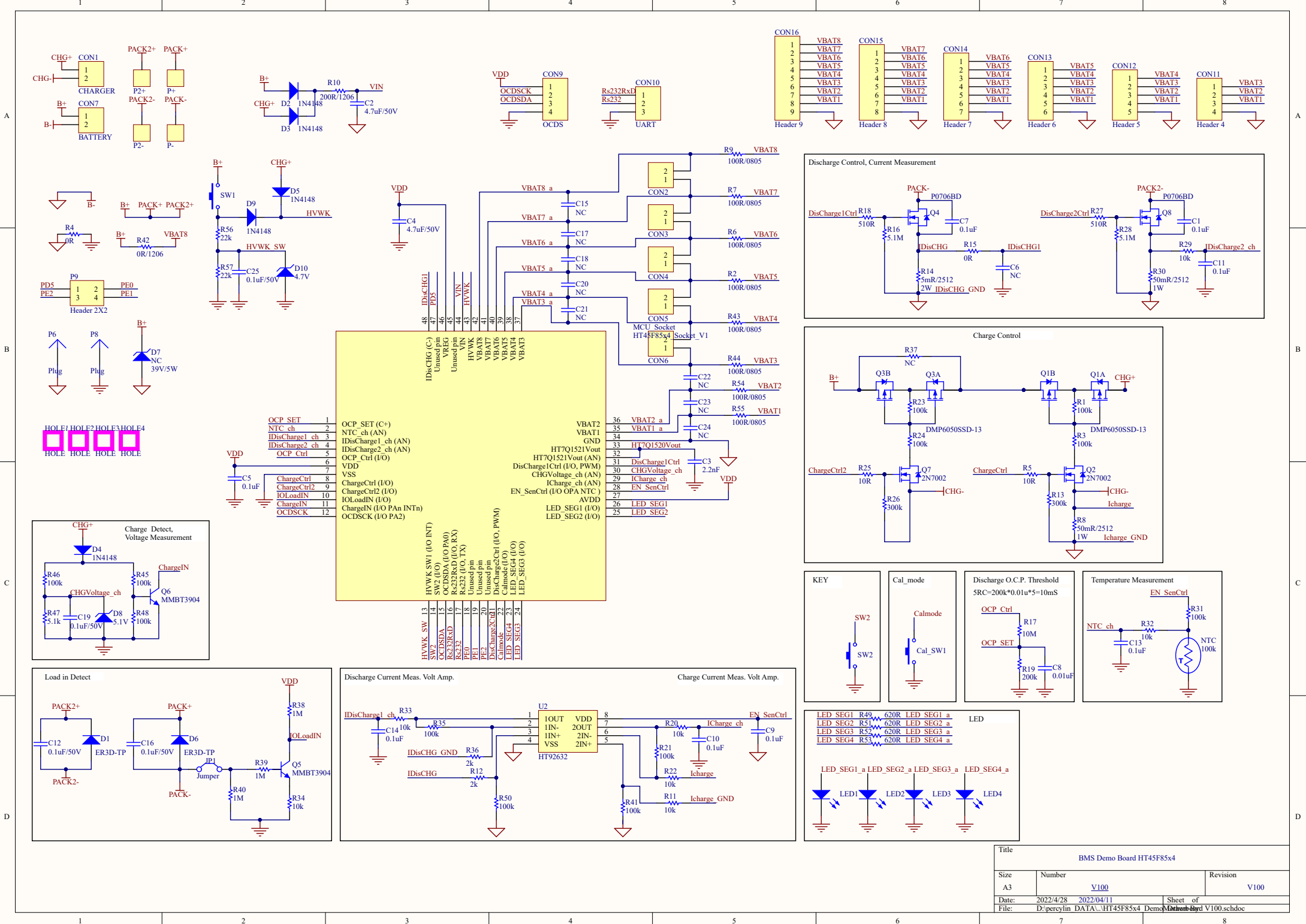




Title			
BMS Demo Board HT45F85x4			
Size	Number	Revision	
A3	V100	V100	
Date:	2022/4/28	2022/04/11	Sheet of
File:	D:\percylin\DATA\HT45F85x4 Demo Board V100.schdoc	Machined by V100.schdoc	

Comment	Description	Designator	Footprint	LibRef	Quantity
1N4148	1 Amp Fast Recovery Rectifier	D2, D3, D4, D5, D9	*DIO_LL4148_LL4148(PPrimary)	Diode	5
4.7V	Zener Diode	D10	*DIO_LL4148_LL4148(PPrimary)	D Zener	1
5.1V	Zener Diode	D8	*DIO_LL4148_LL4148(PPrimary)	D Zener	1
0.01uF	Capacitor	C8	0603C	Cap	1
0.1uF	Capacitor	C1, C5, C7, C9, C10, C11, C13, C14	0603C	Cap	8
0.1uF/50V	Capacitor	C25	0603C	Cap	1
2.2nF	Capacitor	C3	0603C	Cap	1
NC	Capacitor	C6, C15, C17, C18, C20, C21, C22, C23, C24	0603C	Cap	9
0R	Resistor	R4, R15	0603R	Res1	2
100k	Resistor	R1, R3, R21, R23, R24, R31, R35, R41, R45, R46, R48, R50	0603R	Res1	12
10k	Resistor	R11, R20, R22, R29, R32, R33, R34	0603R	Res1	7
10M	Resistor	R17	0603R	Res1	1
10R	Resistor	R5, R25	0603R	Res1	2
1M	Resistor	R38, R39, R40	0603R	Res1	3
200k	Resistor	R19	0603R	Res1	1
22k	Resistor	R56, R57	0603R	Res1	2
2k	Resistor	R12, R36	0603R	Res1	2
300k	Resistor	R13, R26	0603R	Res1	2
5.1k	Resistor	R47	0603R	Res1	1
5.1M	Resistor	R16, R28	0603R	Res1	2
510R	Resistor	R18, R27	0603R	Res1	2
620R	Resistor	R49, R51, R52, R53	0603R	Res1	4
0.1uF/50V	Capacitor	C12, C16, C19	0805C	Cap	3
4.7uF/50V	Capacitor	C2, C4	0805C	Cap	2
100R/0805	Resistor	R2, R6, R7, R9, R43, R44, R54, R55	0805R	Res1	8
0R/1206	Resistor	R42	1206	Res1	1
200R/1206	Resistor	R10	1206	Res1	1
NC	Resistor	R37	1206	Res1	1
50mR/2512	Resistor	R8, R30	2512R	Res1	2
5mR/2512	Resistor	R14	2512R	Res1	1
PACK		P2+, P2-, P+, P-	BATTERY_PAD - 6mm	COM	4
SW-PB	Switch	SW1, SW2	BUTTON	SW-PB	2
Header 4	Header, 4-Pin	CON2, CON3, CON4, CON5, CON6	CON2	Header 4_1	5
Jumper	Jumper Wire	JP1	CON2	Jumper	1
OCDS	Header, 4-Pin	CON9	CON4*1	Header 4	1
UART	Header, 3-Pin	CON10	HDR1X3	Header 3	1
Header 2X2	Header, 2-Pin, Dual row	P9	HDR2X2	Header 2X2	1
BATTERY	Header, 4-Pin	CON7	HOUSING4MM*2	Header 4_1	1
CHARGER	Header, 4-Pin	CON1	HOUSING4MM*2	Header 4_1	1
LED	Typical RED GaAs LED	LED1, LED2, LED3, LED4	LED_SMD0805	LED1	4
HT45F85x4_Socket_V1	HT45F85x4_DemoMotherboard_MCU_Socket	MCU_Socket	MCU_Socket_48pin_2mm_1	HT45F85x4_DemoMotherboard_Socket_V1	1
100k		NTC	NTC_PAD	Sensor(1)	1
Plug	Plug	P6, P8	PIN1	Plug	2
NC	Zener Diode	D7	SMB	D Zener	1
ER3D-TP	Default Diode	D1, D6	SMC	Diode	2
DMP6050SSD-13		Q1, Q3	SOP 8PIN 150MIL	DMP4025LSD-13	2
HT92632		U2	SOP 8PIN 150MIL 1.27PITCH	IC 2x4 S	1
2N7002	N-Channel Power MOSFET	Q2, Q7	SOT-23	NMOS	2
MMBT3904	NPN General Purpose Amplifier	Q5, Q6	SOT-23	NPN	2
SW-PB	Switch	CaL_SW1	SPST-2_250mil	SW-PB	1
P0706BD	N-Channel Power MOSFET	Q4, Q8	TO252-3	NMOS	2
HOLE		HOLE1, HOLE2, HOLE3, HOLE4	VIA	HOLE	4
Header 4	Header, 4-Pin	CON11	XH2.54mm_4PIN	Header 4	1
Header 5	Header, 5-Pin	CON12	XH2.54mm_5PIN	Header 5	1
Header 6	Header, 6-Pin	CON13	XH2.54mm_6PIN	Header 6	1
Header 7	Header, 7-Pin	CON14	XH2.54mm_7PIN	Header 7	1
Header 8	Header, 8-Pin	CON15	XH2.54mm_8PIN	Header 8	1
Header 9	Header, 9-Pin	CON16	XH2.54mm_9PIN	Header 9	1