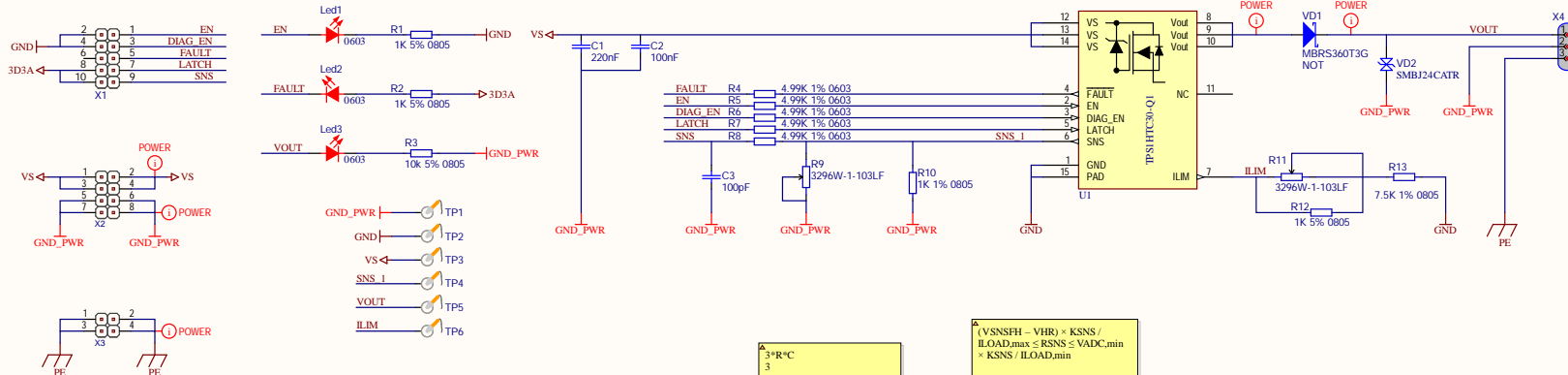


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REVISION	DESCRIPTION	DATE	APPROVED



3*4°C
3

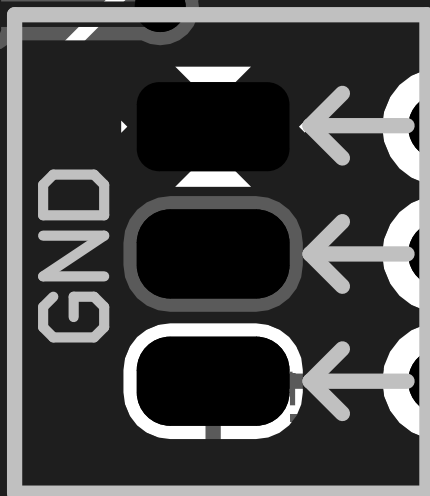
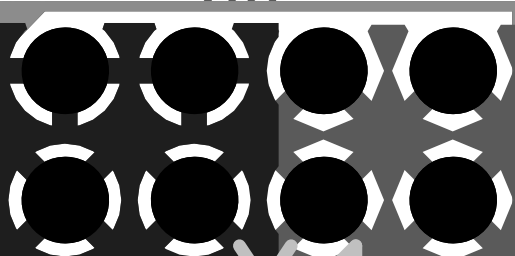
$$\frac{(V_{SNSFH} - V_{HVR}) \times K_{SNS}}{I_{LOAD,max} \leq K_{SNS} \leq V_{ADC,min} \times K_{SNS} / I_{LOAD,min}}$$

TITLE	*		
SIZE	CAGE CODE	DWG NO.	REV
B			
SCALE	FILENAME	OUT_Solenoid_TPS1HTC30.SchDoc	SHEET * OF *

B7D-8
NOT

X5

X4



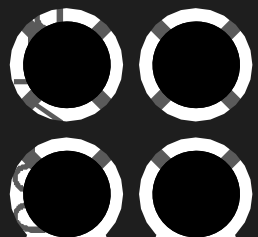
PE

NOT

B7D-4

HY

GND-P

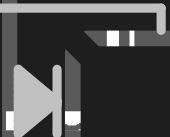


R11

OUT



R9

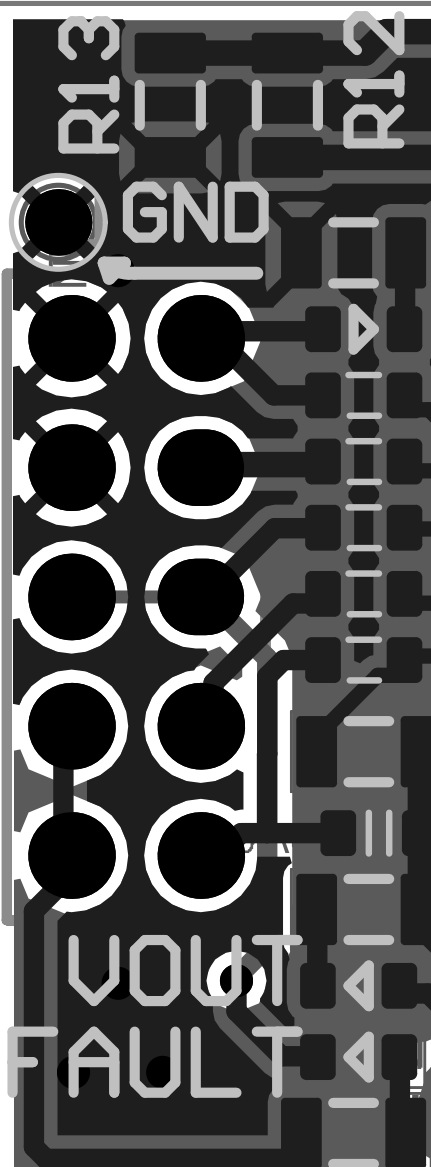
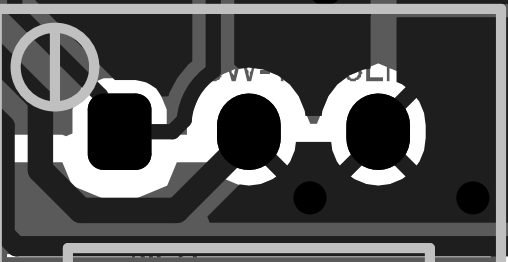


ILIM

EN

R10

SNS



R13

GND

R12

VOLT
FAULT

Comment	Description	Designator	Footprint	LibRef	Quantity
220nF 25V 0805	CAP CER 0805 220nF 25V X7R 5%	C1	C_0805	CMP-00963-4	1
100nF 25V 0805	CAP CER 0805 0.1uF 25V X7R 5%	C2	C_0805	CMP-00482-11	1
100pF 50V 0603	CAP CER 0603 100pF 50V NPO 5%	C3	C_0603	CMP-00895-4	1
EN	RED	Led1	LED_0603-RED	CMP-007-00036-13	1
FAULT	RED	Led2	LED_0603-RED	CMP-007-00036-13	1
VOUT	RED	Led3	LED_0603-RED	CMP-007-00036-13	1
1K 5% 0805	RES SMD 0805 1K 5% 50V 0.125W	R1, R2, R12	R_0805	Res_0805-10	3
10k 5% 0805	RES 10K OHM 5% 1/8W 0805	R3	R_0805	CMP-00726-2	1
4.99K 1% 0603	RES SMD 0603 4.99K 1% 50V 0.1W	R4, R5, R6, R7, R8	R_0603	CMP-00192-8	5
3296W-1-103LF	10K	R9, R11	Bourns 3296 pot	CMP-01280-1	2
1K 1% 0805	RES SMD 0805 1K 1% 50V 0.125W	R10	R_0805	CMP-00483-2	1
7.5K 1% 0805	RES SMD 0805 7.5K 1% 50V 0.125W	R13	R_0805	CMP-01197-1	1
TPS1HTC30-Q1	Power Smart Switch/Driver 1:1 N- Channel 6A,60-V TOLERANT, 14- HTSSOP	U1	HTSSOP-14- PowerPAD	CMP-019-00113-1	1
MBRS360T3G	DIODE SCHOTTKY 60V 3A SMC	VD1	SMC (DO214AB)	CMP-01138-1	1
SMBJ24CATR	TVS DIODE 24V 38.9V SMB	VD2	SMB	CMP-01013-2	1
PLD-10	PLD-10, 2.54 mm	X1	PLD-10	CMP-002-00079-2	1
PLD-8	PLD-8, 2.54 mm	X2	PLD-8	CMP-002-00043-5	1
PLD-4	PLD-4, 2.54mm	X3	PLD-4-Footprint-1	CMP-002-00223-1	1
15EDGVC-2.5-03P-14-00AH	3 PIN 2.5mm Прямой	X4	15EDGVC-2.5-03P-14-00AH	CMP-002-00171-1	1