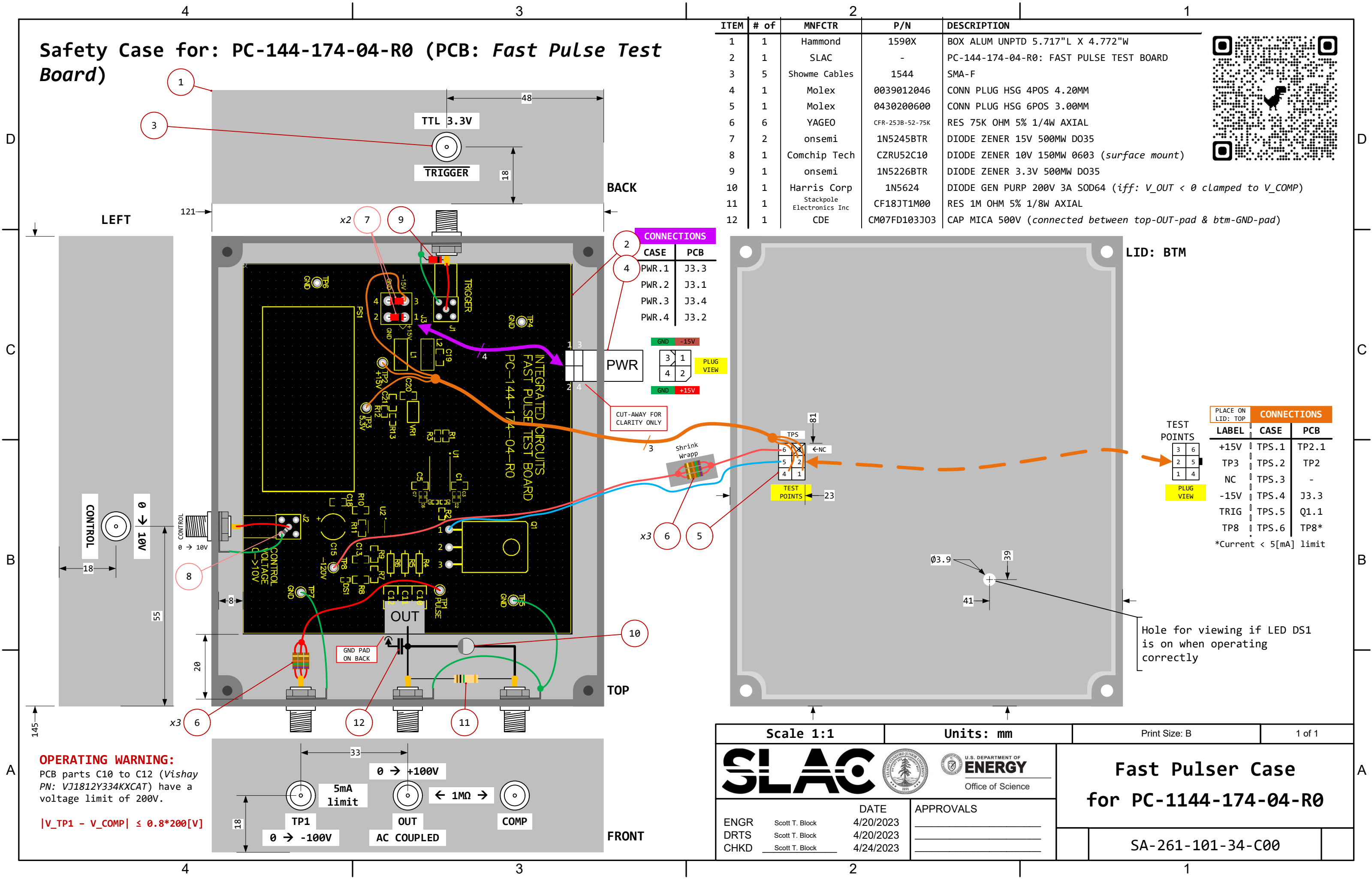


# Safety Case for: PC-144-174-04-R0 (PCB: *Fast Pulse Test Board*)

ITEM	# of	MNFCTR	P/N	DESCRIPTION
1	1	Hammond	1590X	BOX ALUM UNPTD 5.717"L X 4.772"W
2	1	SLAC	-	PC-144-174-04-R0: FAST PULSE TEST BOARD
3	5	Showme Cables	1544	SMA-F
4	1	Molex	0039012046	CONN PLUG HSG 4POS 4.20MM
5	1	Molex	0430200600	CONN PLUG HSG 6POS 3.00MM
6	6	YAGEO	CFR-25JB-52-75K	RES 75K OHM 5% 1/4W AXIAL
7	2	onsemi	1N5245BTR	DIODE ZENER 15V 500MW D035
8	1	Comchip Tech	CZRU52C10	DIODE ZENER 10V 150MW 0603 ( <i>surface mount</i> )
9	1	onsemi	1N5226BTR	DIODE ZENER 3.3V 500MW D035
10	1	Harris Corp	1N5624	DIODE GEN PURP 200V 3A SOD64 ( <i>iff: V_OUT &lt; 0 clamped to V_COMP</i> )
11	1	Stackpole Electronics Inc	CF18JT1M00	RES 1M OHM 5% 1/8W AXIAL
12	1	CDE	CM07FD103J03	CAP MICA 500V ( <i>connected between top-OUT-pad &amp; btm-GND-pad</i> )



**OPERATING WARNING:**  
 PCB parts C10 to C12 (Vishay PN: VJ1812Y334KXCAT) have a voltage limit of 200V.  
 $|V_{TP1} - V_{COMP}| \leq 0.8 * 200[V]$

Scale 1:1	Units: mm	Print Size: B	1 of 1
		<b>Fast Pulser Case</b> <b>for PC-1144-174-04-R0</b>	
ENGR Scott T. Block	DATE 4/20/2023	APPROVALS	
DRTS Scott T. Block	DATE 4/20/2023		
CHKD Scott T. Block	DATE 4/24/2023		
		SA-261-101-34-C00	