

Onstate Technologies			file: BOM PEVDC Onstate	Bill of Materials:	V Detect Circuit
www.OnstateTech.com			Delay Timer Circuit	PCB Version: 1	Date: Mar/18
Part #:	Qty.	Value:	Description:	Digikey.com #:	MFG #
All resistors are 0805 (2012 metric) SMD ±5% 1/8W, moisture resistant thick film, Yageo or similar brand.					
R1	1	3.3M	3.3M ohm resistor	311-3.3MARCT-ND	RC0805JR-073M3L
R2	1	47k	47k ohm resistor	311-47KARCT-ND	RC0805JR-0747KL
R3	1	10k	10k ohm resistor	311-10KARCT-ND	RC0805JR-0710KL
All capacitors are 0805 (2012 metric) SMD ±10%, Samsung or similar brand.					
C1	1	475	4.7uF (474), cer. cap, 16V X5R 0805	1276-1065-1-ND	CL21A475KOFNNNE
C2	1	224	0.22uF (224), cer. Cap. 25V X7R	1276-1161-1-ND	CL21B224KAFNNNE
D1, D2	2	1N4148WS	Diode, general purpose, 75V 150mA, SOD323	1N4148WS-E3-18GICT-ND	1N4148WS-7-F
NOTE: Any common name-brand standard stock that meets the above specifications is acceptable.					
Q1	1	P-CH MOSFET	MOSFET P-CH 20-30V 0.5A-1.5A, SOT-23 (TO-236), Vgs ±20V, Vgs(th) 1.0-2.5V		
			P-CH 30V 0.7A, Diodes Inc.	DMP3030SNDICT-ND	DMP3030SN-7
NOTE: Any common name-brand standard stock that meets the above specifications is acceptable.					
Q3	1	N-CH MOSFET	MOSFET N-CH 30-60V 2-10A, SOT-23 (TO-236), Vgs ±20V, Vgs(th) 1.0-2.5V		
			N-CH 30V 6.2A, Diodes	DMN3023L-7DICT-ND	DMN3023L-7
NOTE: Any common name-brand standard stock that meets the above specifications is acceptable.					
PCB	1	PCB-PEVDC	PCB-PEVDC, Onstate PCB, 0.4"0.95"		PCB-PEVDC