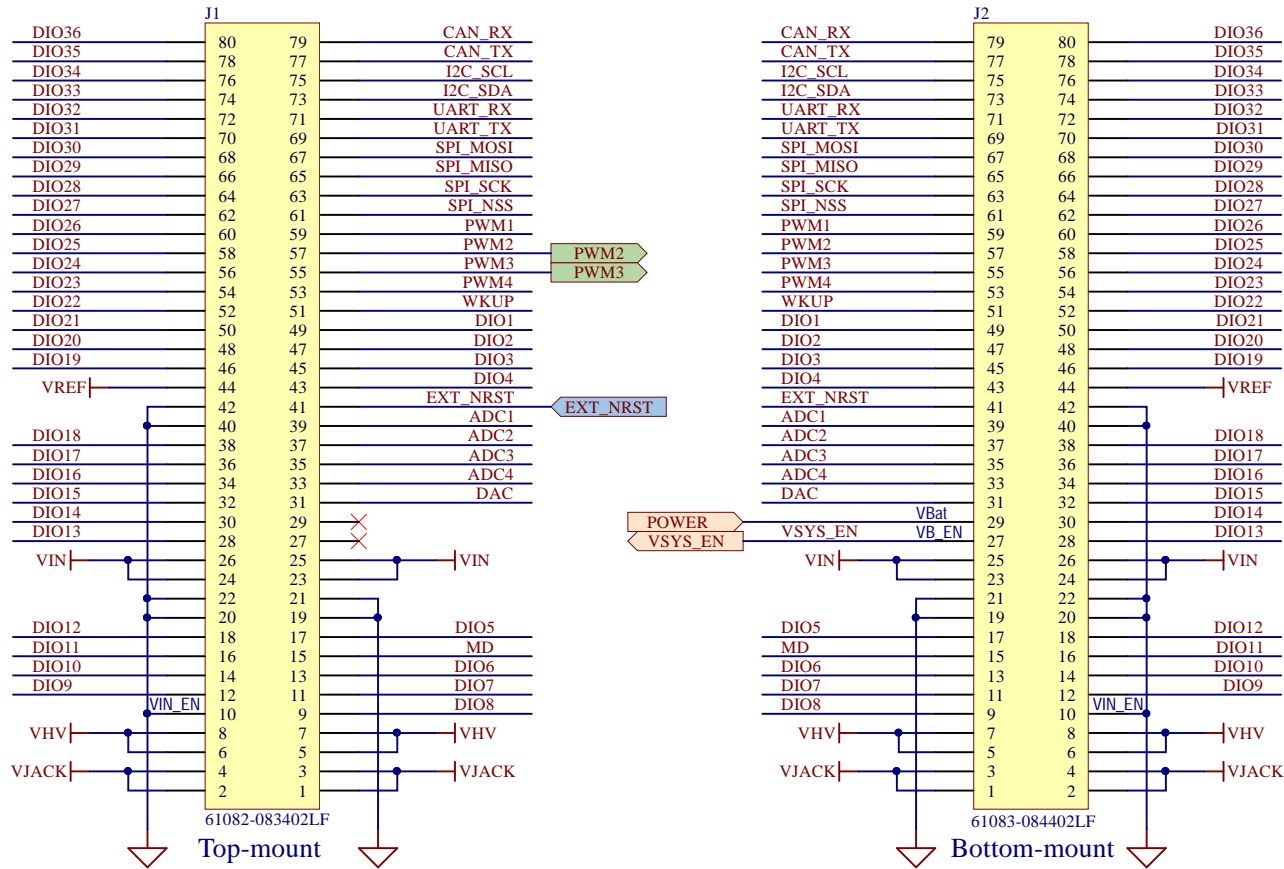


Title: <i>Block Diagram</i>	Version: <i>1.0.0</i>	
Board: <i>Zest_Power_12-48V-to-10V</i>	Size: <i>A4</i>	
Project: <i>6TRON</i>	Sheet: <i>1 of 3</i>	
Author: <i>Olivier Chevalerias</i>	Date modified: <i>09/08/2021</i>	



	R7	R8	R10	R11	Mode
Operating	X				PFM
Mode		X			DCM
Settings			X		Synchro PWM2
				X*	Synchro PWM3
					PWM

X\* : Default setting

S1 Logo CATIE  
LOGO\_CATIE

S2 Logo 6TRON  
LOGO\_6TRON

S3 Logo ESD-Care  
LOGO\_ESD\_CARE

MI1 MI2 MI3  
MIRE\_POSITIONING

SCR1  
M3 / 16mm  
Spacer M3 L16mm  
M-F Metal


J17  
Gnd pin connect

Title: <i>Interconnect</i>	Version: 1.0.0	
Board: <i>Zest_Power_12-48V-to-10V</i>	Size: A4	
Project: <i>6TRON</i>	Sheet: 2 of 3	
Author: <i>Olivier Chevalerias</i>	Date modified: 27/08/2021	

**Note:**  
 For DigiFed, VDC = 24V  
 Use the following reference for F3:  
 Littelfuse RUEF300-2  
 Vmax = 30V, Ihold = 3A, Itrip = 6A  
 Use the following reference for D2 & D3:  
 Würth Elektronik 824521261  
 Vdc = 26V, Vbr = 30.4V, Ipeak = 14.3A

The polyswitch needs to be folded to fit to fit inter-board space  
 H = 21.2mm for 48V

Step-down converter 12 to 48V input to 10V output 5A

Title: Power Supply	Version: 1.0.0	 <b>CATIE</b> <small>Solutions pour le secteur numérique</small>
Board: Zest_Power_12-48V-to-10V	Size: A4	
Project: 6TRON	Sheet: 3 of 3	
Author: Olivier Chevalerias	Date modified: 27/08/2021	

