













+12V ←	1 5	1
GND (2	
Rear_Brake_Sensor	3	
Front_Brake_Sensor	4	
Current_Sensor_Output	5	
Current_Sensor_VREF	6	J2
Shutdown_In	7	Conn_01:
Shutdown_Out	8	Composi
BSPD_Fault_LOW	9	
	10	
	11	
	12	

	Voltage_Dividers
hort_circuit_threshhold	Short_circuit_threshhold
	>rear_braking_threshhold
	Dhigh_current_threshhold
	Dopen_circuit_threshhold
	Ofront_braking_threshhold
	211011Cbraking_timesimotu
	File: voltage dividers,kicad s

front_brake_open	
high_current	>front_brake_open
	⊃high_current
front_high_braking	Ofront_hard_braking
current_VREF_short	
rear_brake_open	>current_VREF_short
	⊃rear_brake_open
front_brake_short	⊃front_brake_short
current_sensor_short	Dourrent_sensor_short
BSPD_Fault_HIGH	
current_VREF_open	>BSPD_Fault_HIGH
	Dourrent_VREF_open
current_sensor_open	>current_sensor_open
rear_brake_short	Drear_brake_short
rear_hard_braking	prear_brake_snort
rear_nard_braking	>rear_hard_braking
	File: bspd_logic.kicad_sch

	status_lights
rear_hard_braking	>rear_hard_braking
front_hard_braking	>front_hard_braking >front_hard_braking >high_current
high_current	
BSPD_Fault_LOW	BSPD_Fault_LOW
	DD3FD_FautC_COW
	THE CALLS OF THE RESERVE

File: status_lights.kicad_sch

BSPD_Fault_LOW BSPD_Fault_LOW Shutdown_In Shutdown_Out	BSPD_timer DBSPD_Fault_HIGH DBSPD_Fault_LOW Shutdown_In
SITUTUOMII_OUT	—>Shutdown_Out

File: BSPD_timer.kicad_sch

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