

Sheet: /Shutdown Circuit/
File: shutdown_circuit_switch_2.sch

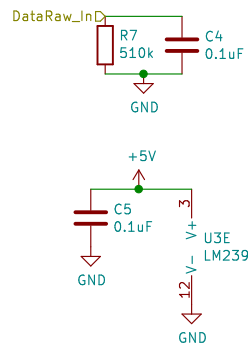
Title:

Size: A4
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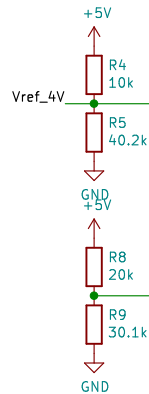
Date:

Rev:

Id: 3/10



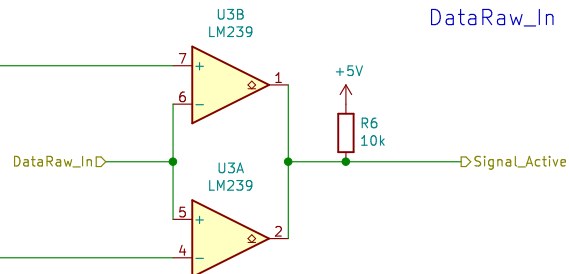
Vref H: 4V



Vref L: 3V

Vref H: 4V

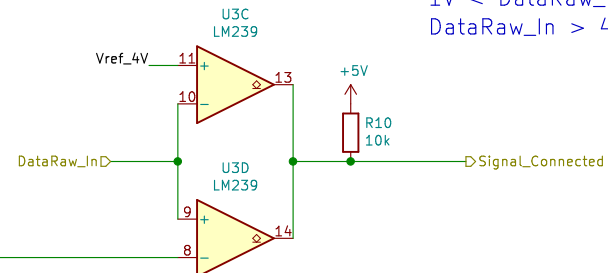
Vref L: 1V



Output Behavior

DataRaw_In < 3V..... 0V
3V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V

Active Signal



Output Behavior

DataRaw_In < 1V..... 0V
1V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V

Connected Signal

Longhorn Racing Electric

Sheet: /Brake1_Signal/
File: BrakeComparator.sch

Title: BSPD Dual Window Comparator Array

Size: A4 Date: 2021-01-18

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Rev: 2

Id: 4/10

[EV] NOPOP

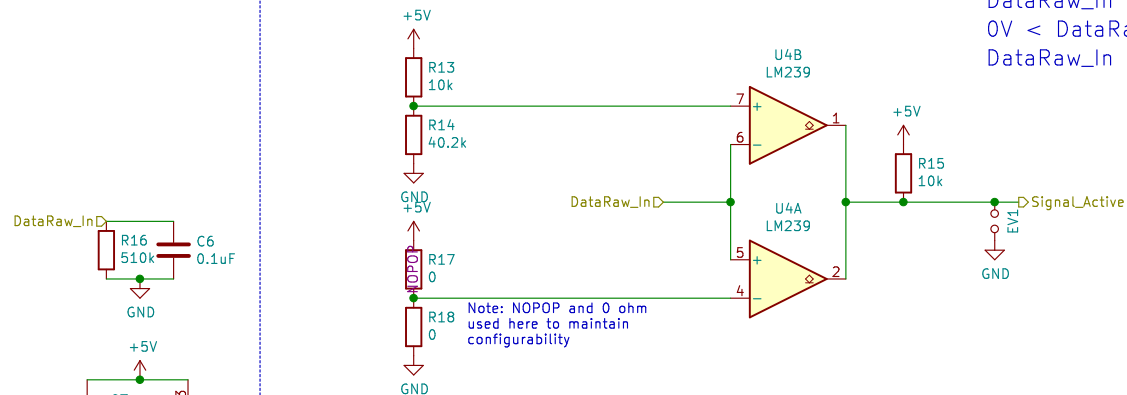
[IC] TPS2 Config (5-0V)

Assuming 10% open = 4V

Vref H: 4V

Output Behavior

DataRaw_In < 0V..... 0V
0V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V



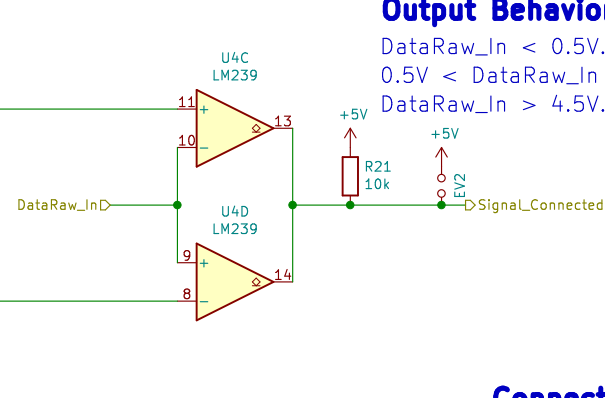
Vref L: 0V

Active Signal

Vref H: 4.5V

Output Behavior

DataRaw_In < 0.5V..... 0V
0.5V < DataRaw_In < 4.5V... 5V
DataRaw_In > 4.5V..... 0V



Vref L: .5V

Connected Signal

Longhorn Racing Electric

Sheet: /[IC] TPS2 Signal/
File: TPS2Comparator.sch

Title: BSPD Dual Window Comparator Array

Size: A4 Date: 2021-01-18

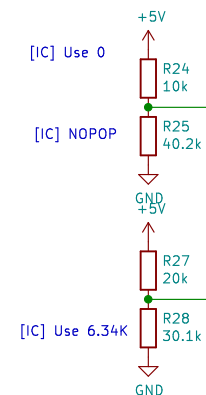
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Rev: 2

Id: 5/10

BMS Config

Vref H: 4V



Vref L: 3V

Output Behavior

DataRaw_In < 3V..... 0V
3V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V

Active Signal

[IC] TPS1 Config (0–5V)

Assuming 10% open = 1V

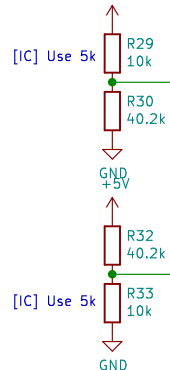
Vref H: 5V

Output Behavior

DataRaw_In < 1.2V..... 0V
1.2V < DataRaw_In < 5V... 5V
DataRaw_In > 5V..... 0V

Active Signal

Vref H: 4V



Vref L: 1V

Output Behavior

DataRaw_In < 1V..... 0V
1V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V

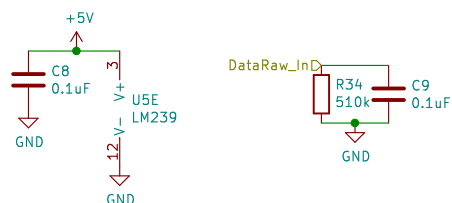
Connected Signal

Vref H: 4.5V

Output Behavior

DataRaw_In < 0.5V..... 0V
0.5V < DataRaw_In < 4.5V... 5V
DataRaw_In > 4.5V..... 0V

Connected Signal



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Sheet: /BMS or TPS1 Signal/
File: BMSorTPS1Comparator.sch

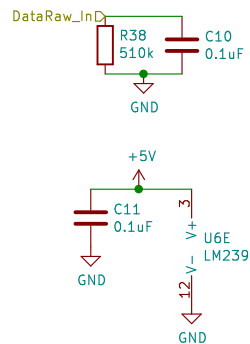
Title: BSPD Dual Window Comparator Array

Size: A4 Date: 2021-01-18

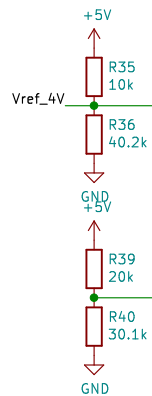
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Rev: 2

Id: 6/10



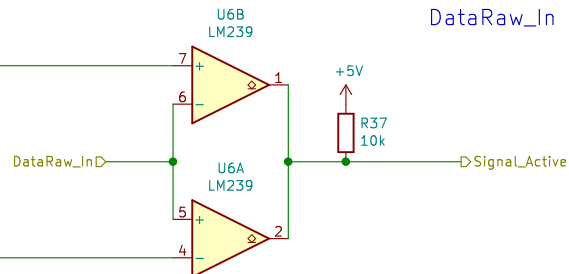
Vref H: 4V



Vref L: 3V

Vref H: 4V

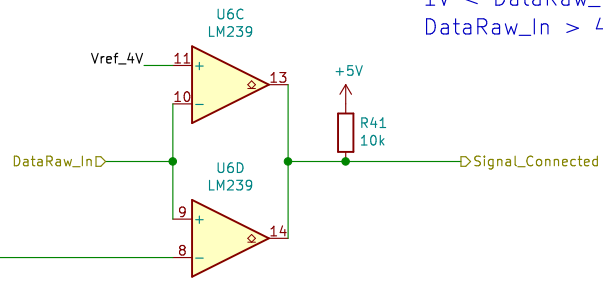
Vref L: 1V



Output Behavior

DataRaw_In < 3V..... 0V
3V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V

Active Signal



Output Behavior

DataRaw_In < 1V..... 0V
1V < DataRaw_In < 4V... 5V
DataRaw_In > 4V..... 0V

Connected Signal

Longhorn Racing Electric

Sheet: /Brake2 Signal/
File: BrakeComparator.sch

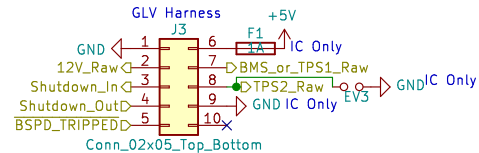
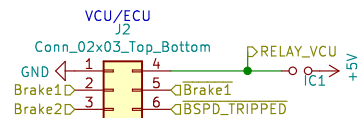
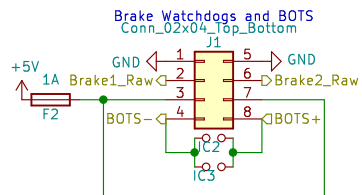
Title: BSPD Dual Window Comparator Array

Size: A4 Date: 2021-01-18

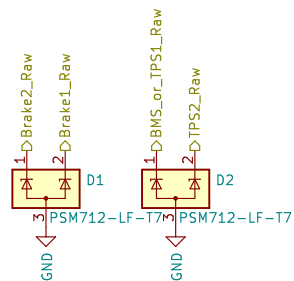
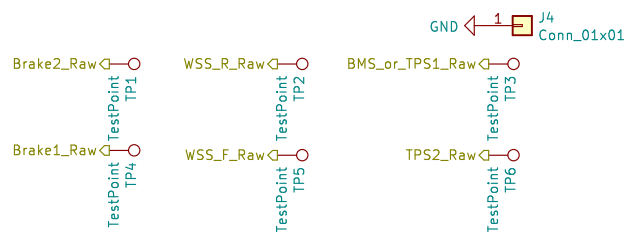
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Rev: 2

Id: 7/10



- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole



Longhorn Racing Electric

Sheet: /Connectors/
File: Connectors.sch

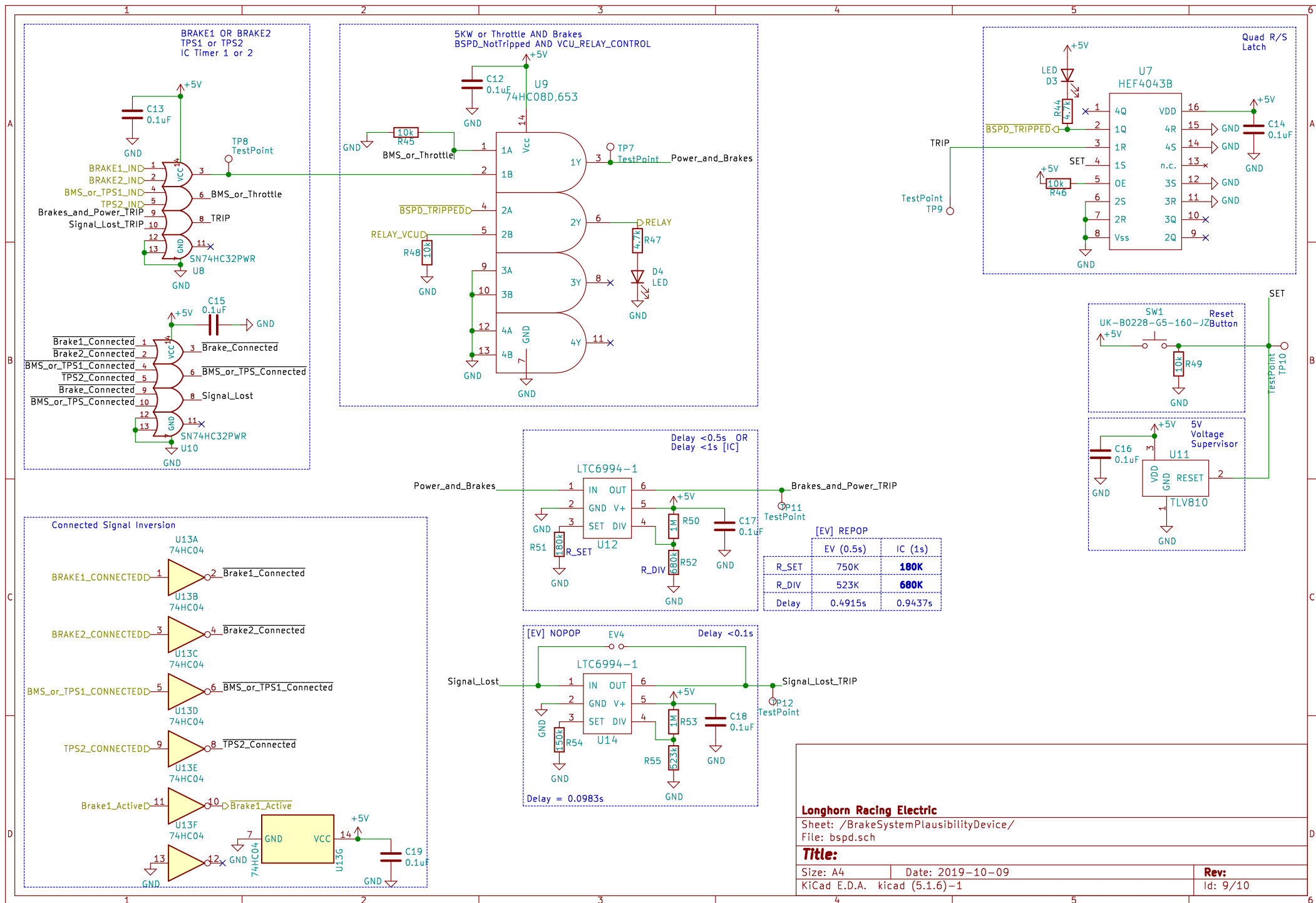
Title:

Size: A4 Date: 2019-10-09

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Rev:

Id: 8/10



Longhorn Racing Electric

Sheet: /BrakeSystemPlausibilityDevice/
File: bspd.sch

Title:

Size: A4
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Date: 2019-10-09

Rev:
Id: 9/10

