



Underwater Robotics  
Team  
Ohio State University

Electrical Team  
Backplane  
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## Schematic Notes:

### Part Notes:

Board Connectors: 5530843-6  
56 Position Female Connector Non Specified - Dual Edge Gold 0.100 in (2.54mm) Black  
<https://www.digikey.com/product-detail/en/te-connectivity-amp-connectors/5530843-6/A31719-ND/770545>

Test Pin Connector: 929870-01-09  
9 Position Receptacle Connector Through Hole  
<https://www.digikey.com/product-detail/en/3m/929870-01-09-RA/929870-01-09-RA-ND/1239312>

Board Connected LED: 150060GS75000  
Green 520nm LED Indication - Discrete 3.2V 0603 (1608 Metric)  
<https://www.digikey.com/products/en?keywords=732-4971-1-ND>

Robot I2C Connector: 0039299049  
Depth Connector: 0039299049  
Switch Connector: 0039299049  
Connector Header Through Hole, Vertical 4 position 0.165 in (4.20mm) Molex mini fit jr. series 5566  
<https://www.digikey.com/en/products/detail/molex/0039299049/3160172>

### Administrative Notes:

Board Name: Titan Backplane  
Schematic Creation: 08/2020  
Schematic Designer: Dylan Trainor  
Electrical Lead: Phillip Barker



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