

2020

VIRTUAL  
KIT

CATALOG



# INFINITE RECHARGE<sup>SM</sup>



# WELCOME



## TO THE 2020 **FIRST**® ROBOTICS COMPETITION SEASON

This Voucher Catalog is a reference for your team. Inside, you'll find additional items and value available to your team via the Kit of Parts system. Each page represents a specific voucher and its particular instructions and details. Don't miss out on any of these opportunities.

**We are extremely grateful for the generosity and support that our *FIRST*® Suppliers provide!**

***Questions about the Kit of Parts can be sent to:***  
frcparts@firstinspires.org

***More information about the Kit of Parts can be found at our website:***  
<https://www.firstinspires.org/robotics/frc/kit-of-parts>



Supplier	Redeemed
Altium.....	<input type="checkbox"/>
AndyMark .....	<input type="checkbox"/>
Armabot.....	<input type="checkbox"/>
Autodesk .....	<input type="checkbox"/>
Automation Direct.....	<input type="checkbox"/>
Clippard .....	<input type="checkbox"/>
Digi-Key Electronics.....	<input type="checkbox"/>
DriveWorks Ltd.....	<input type="checkbox"/>
Inventables .....	<input type="checkbox"/>
Mastercam .....	<input type="checkbox"/>
National Instruments.....	<input type="checkbox"/>
Next Gen Robots .....	<input type="checkbox"/>

Supplier	Redeemed
PTC .....	<input type="checkbox"/>
REV Robotics .....	<input type="checkbox"/>
RoboPromo.....	<input type="checkbox"/>
Siemens.....	<input type="checkbox"/>
SolidProfessor .....	<input type="checkbox"/>
SolidWorks .....	<input type="checkbox"/>
Swyft Robotics .....	<input type="checkbox"/>
Tableau .....	<input type="checkbox"/>
TE Connectivity.....	<input type="checkbox"/>
Vulcan Spring .....	<input type="checkbox"/>
Wolfram .....	<input type="checkbox"/>





Organization Name

Altium

Voucher Detail

One-year Altium Designer  
student license

Expiration Date

12/31/2020

Access Code(s)

N/A

Website

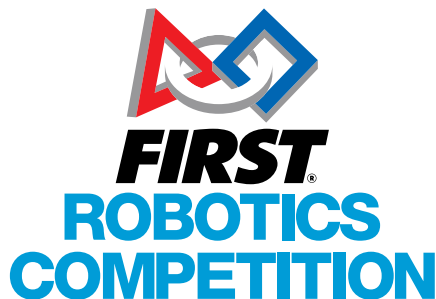
[www.altium.com/frc](http://www.altium.com/frc)

Altium is excited to support *FIRST*®, committed to providing every designer and engineer with tools to enable you to turn your ideas into products in the easiest and most productive way.

- Altium Designer consists of all the tools required to produce a PCB from concept to manufacturing.
- A PCB development platform supplying both the electrical and mechanical view.
- Integrated access to over a hundred suppliers makes it easy to select the best parts for your design.

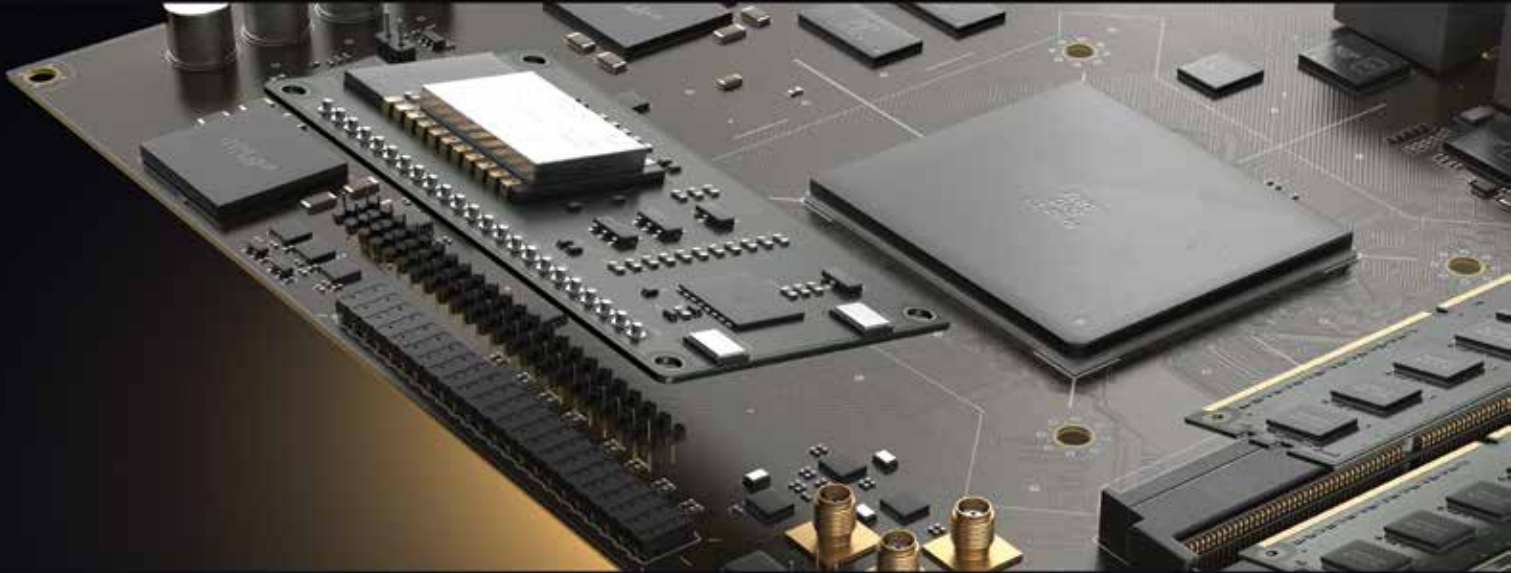
To access one-year student license, fill out the form [www.altium.com/frc](http://www.altium.com/frc)

**Special Instructions:** One to five student licenses to be shared per high school team





Proud to support *FIRST*®  
POWERFUL TOOLS FOR NEXT GENERATION ELECTRONIC DESIGN



**USE ALTIUM DESIGNER FOR FREE NOW!**

[www.altium.com/frc](http://www.altium.com/frc)



Organization Name

Voucher Value

Expiration Date

Shipping

Access Code(s)

Website

**AndyMark**

**\$450**

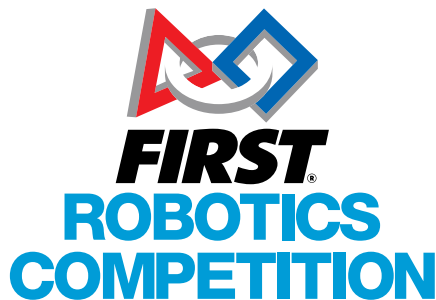
**04/15/2020**

**Team Responsibility**

**Visit Team Registration Account**

(Lead Mentor 1 or 2)

**[www.andymark.com](http://www.andymark.com)**



- Veteran *FIRST*® Robotics Competition teams who opt out of the Kit of Parts Chassis can use up to \$450 by means of a Product Discount Voucher (PDV) for AndyMark products.
- Products can be redeemed by shopping at [www.andymark.com](http://www.andymark.com), and using their assigned code.
- Upon checkout at [andymark.com](http://andymark.com), teams enter this code instead of payment.
- Any order value over \$450 will be the responsibility of the customer, and will need to be paid to AndyMark through normal order purchasing methods.



Proud to provide products and vouchers for the *FIRST*® Robotics Competition Kit of Parts.

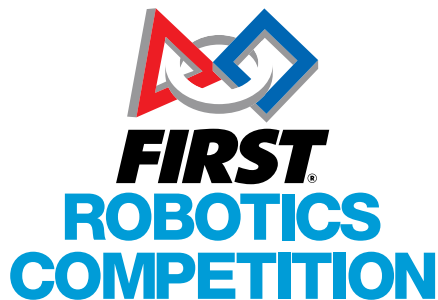


**AndyMark** develops and manufactures parts and products specifically for *FIRST*® teams.

- Gearboxes & Motors
- Wheels
- Electronics
- Pneumatics
- Hardware and More!

Visit our website to see all of our product offerings. **AndyMark.com**

# ARMABOT



**Organization Name**

**Voucher Value**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Armabot**

**One (1) RS7 encoder**

**04/26/2020**

**Team Responsibility**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**[www.armabot.com](http://www.armabot.com)**

1. Go to [www.armabot.com](http://www.armabot.com)
2. Select 1 or more RS7 encoders (first unit free with this voucher)
3. Enter your valid code from the *FIRST*® Team Registration System
4. Enter shipping and billing information
5. Place order and wait for arrival (3-5 days in continental USA)
6. Installation instructions at [www.armabot.com](http://www.armabot.com)
7. Technology tutorial for encoder implementation at [www.armabot.com](http://www.armabot.com)

Valid for purchase of one RS7 encoder individually or a multiple product order that includes one RS7 encoder. Limit one per *FIRST*® Robotics Competition Team. Must be registered for the 2020 robotics season. Voucher not transferable to other people or teams.



QUICK INTEGRATION

## Technology Tutorial

CAN bus PID tuning via Talon SRX controller.

EASY INSTALL

### Worm-Drive Clamp

Secure and simple attachment.

COOL RUNNING

### Vented Design

Doesn't interfere with motor air flow.

STRAIN RELIEF

### Secure Wiring

Integrated feature for cable tie.

CUSTOM DESIGNED MOUNT

## 775pro Motor Encoder

Successful use at 2016 & 2017 Championships.





**Organization Name**

**Voucher Detail**

**Website**

**Autodesk**

**3D Design Software Access**

**[www.autodesk.com/first](http://www.autodesk.com/first)**

**[www.autodesk.com/first](http://www.autodesk.com/first)** Your destination for robotics CAD datasets, robotics simulation, robotics design tutorials, and access to Autodesk® software.

**Autodesk® Fusion 360®** – This 3D CAD/CAM tool for PC and Mac enables robot designs, assemblies, photorealistic renderings, fabrication, and team collaboration.

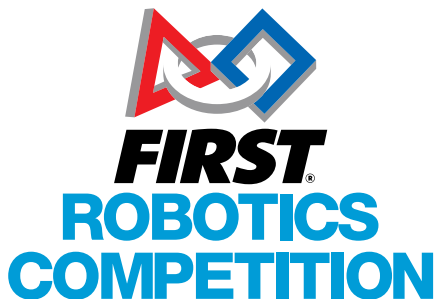
**Autodesk® Inventor®** – With this professional software, teams can produce 3D models that help with the design and visualization of the robot.

**Synthesis: An Autodesk® Technology** – Test your CAD designs for driver practice, robot code emulation, strategy, and more with this robotics simulator.

**Autodesk® EAGLE™** – Bring your next spark of an idea to life with powerful PCB design software made for every engineer.

**Autodesk® Tinkercad®** – Use Tinkercad Circuits environment to program and simulate an Arduino board for use on your robot.

**Autodesk® 3ds Max®** – With modeling, rendering, and animation capabilities, 3ds Max is an ideal solution for the VRC Game Design Animation Challenge.



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# MAKE

## SMARTER DESIGNS

Autodesk is excited to provide open access to our design software, digital fields, and robot part models.

Put your designs to work with our competition simulation software—created specifically for *FIRST*® teams—and get the robot you want on the field faster.

Get started at  
[www.autodesk.com/first](http://www.autodesk.com/first)



Free Autodesk software and/or cloud-based services are subject to acceptance of and compliance with the terms of use or other applicable terms that accompany such software or cloud-based services. Software and cloud-based services subject to an Educational license may be used solely for Educational Purposes and shall not be used for commercial, professional or any other for-profit purposes.





**Organization Name**

**Voucher Description**

**Expiration Date**

**Shipping**

**Access Code(s)**

**More Info**

**Automation Direct**

**\$35.00**

**05/04/2020**

**Team Responsibility** (see below for details)

**Visit Team Registration Account**

(Lead Mentor 1 or 2)

**[www.AutomationDirect.com](http://www.AutomationDirect.com)**

**Use your \$35 voucher toward any items available at [www.AutomationDirect.com](http://www.AutomationDirect.com)**

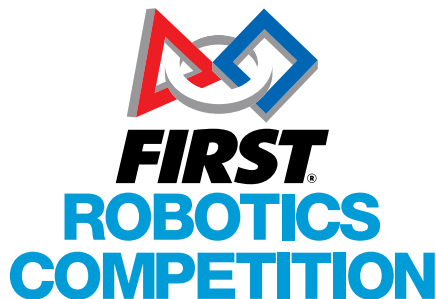
**IMPORTANT INSTRUCTIONS** - We cannot apply the discount AFTER you place an order!

1. Obtain your voucher code at the Mentor Dashboard at [www.firstinspires.org](http://www.firstinspires.org)
2. Login, OR create a New Account here: [www.automationdirect.com/new-user](http://www.automationdirect.com/new-user)
3. Then visit [www.automationdirect.com/Voucher](http://www.automationdirect.com/Voucher) to enter the voucher code. This will enable a one-time \$35 credit for your account.

**Some Restrictions Apply:**

1. Orders **must** be placed online. No 'call-in' orders. Stock items ordered by 6:00pm EST will ship the same day.
2. Orders **must** ship to a US or Canadian address. Credit card billing address must also be US or Canadian.
3. The voucher cannot be used towards shipping fees. Orders under \$49 are shipped via 2-day service to US addresses for a flat rate of \$10 (a credit card will be required to pay for shipping). Orders to Canada will incur brokerage fees. Larger orders may qualify for FREE two-day shipping see web site for details: <https://www.automationdirect.com/static/specs/adpolicy.pdf>

*This voucher cannot be used to pay sales tax. A credit card (or PayPal) will be required to pay any applicable taxes. If your team/organization is tax exempt, you can submit appropriate documentation online during checkout.*



# These items are popular with *FIRST* teams:

Miniature Pneumatic Devices



[go2adc.com/fittings](http://go2adc.com/fittings)

Pneumatic Cylinders



[go2adc.com/cylinders](http://go2adc.com/cylinders)

Belts & Pulleys



[go2adc.com/tbp](http://go2adc.com/tbp)

Ferrules, Terminals, and Crimp Tools



[go2adc.com/zfwire](http://go2adc.com/zfwire)

Push connect fittings



[go2adc.com/ptcfittings](http://go2adc.com/ptcfittings)

Ethernet Cables  
(and crossovers!)



[go2adc.com/cat5e](http://go2adc.com/cat5e)

Wire Ties



[go2adc.com/sapiselco](http://go2adc.com/sapiselco)

Sensors and Encoders



[go2adc.com/sensenco](http://go2adc.com/sensenco)



**AUTOMATIONDIRECT**.com

1-800-633-0405 | [www.AutomationDirect.com](http://www.AutomationDirect.com)



# Clippard

Organization Name

Voucher Value

Offer Expires

Shipping

Access code

Website

Clippard

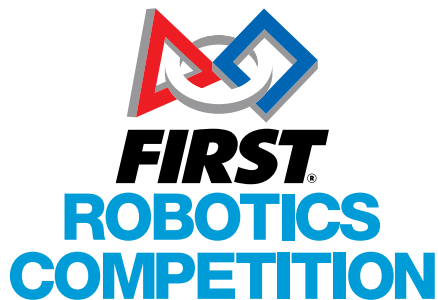
\$20.00

04/30/2020

Team Responsibility

FIRST2020

clippard.com



As long-time supporters of the *FIRST*® organization, and the new generation of pneumatic enthusiasts, Clippard is happy to provide you with a complimentary **AIR VOLUME TANK (#AVT-PP-35)** found in your kit of parts.

In addition, we are proud to provide you with an additional **\$20 of FREE Clippard products** for your design needs. Simply visit [clippard.com](http://clippard.com) to select your products. **PLEASE NOTE:** You must create an account AND be logged in for the voucher to be validated.





# *Clippard*

*Air Cylinders • Pressure Controls • Directional Control Valves  
Electronic Valves • Control Valves • Isolation Valves • Pinch Valves  
Manual Valves • Fittings • Air Preparation Equipment  
Tubing • Custom Valves & Assemblies*

**PRECISION FLOW CONTROL  
PRODUCTS & SOLUTIONS**

[www.clippard.com](http://www.clippard.com)





**Organization Name**

**Digi-Key Electronics**

**Voucher Value**

**\$50**

**Expiration Date**

**09/30/2020**

**Shipping**

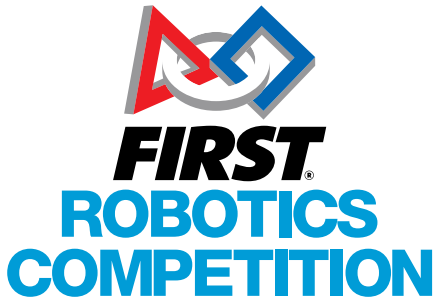
**Included**

**Access Code(s)**

**See Team Registration System**

**Website**

**[www.digikey.com/FIRST](http://www.digikey.com/FIRST)**



**Digi-Key is proud to provide you with \$50 of components.**

- Visit [DIGIKEY.COM/FIRST](http://DIGIKEY.COM/FIRST) to redeem your team's voucher.
- The \$50 voucher will not display on the total of your order, but will be subtracted from your order during processing.
- This Product Donation Voucher valued at \$50 is good for the purchase of components only at [www.digikey.com/first](http://www.digikey.com/first).

*Taxes not included. This voucher is good for a one time use. Any amount not utilized in your initial transaction will be forfeited.*



# \$50

## VOUCHER & **FREE!** SHIPPING!

Digi-Key has the product portfolio, service, tools, resources, and know-how to support students, coaches, and mentors on *FIRST*® teams.



**REDEEM YOUR VOUCHER  
IN 3 EASY STEPS!**

- Visit [digikey.com/first](http://digikey.com/first)
- Enter your team information
- Shop at [digikey.com](http://digikey.com)

See products popular with *FIRST*® teams, access resources such as TechForum, and redeem your product voucher at:

# **DIGIKEY.COM/FIRST**





**Organization Name**

**Voucher Value**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**DriveWorks Ltd.**

**(1) 1 year license of DriveWorks Solo  
Design Automation Software**

**09/30/2020**

**Included**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**<https://www.driveworks.co.uk/education/first/>**

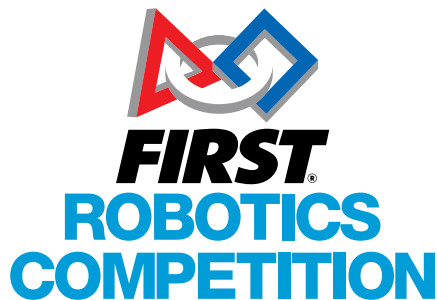
**How does our *FIRST*® Robotics Competition Team request a license of DriveWorks Solo?**

Please visit <https://www.driveworks.co.uk/education/first/> to submit your request for a license of DriveWorks Solo.

Once on the website, you will be asked to complete and submit a “Request a License” form. Upon submittal of this form, we will review and process accordingly. Once approved, you will receive detailed instructions on how to download and install the software.

Valid for one (1) license of DriveWorks Solo requested by the Team Leader. License includes access to FREE online learning resources which include DriveWorks Solo Online Training webinars, How to Videos, Help Files and other learning resources. Product support and assistance provided to Team Leader by DriveWorks Ltd. via email to [first@driveworks.co.uk](mailto:first@driveworks.co.uk). Must be registered for the 2020 Robotics Season. License is non-transferable to another team.

**Questions? Contact us at [first@driveworks.co.uk](mailto:first@driveworks.co.uk)**





**DriveWorks**  
Configure & Automate



# Powerful Design Automation for **SOLIDWORKS®**

**FIRST®** Robotics Competition Teams can get a  
free 12 month license of DriveWorks Solo

Automate repetitive SOLIDWORKS tasks &  
free up students & mentors to focus on  
quality robot design.

[www.driveworks.co.uk/education/first](http://www.driveworks.co.uk/education/first)





**I N V E N T A B L E S.**

**Organization Name**

**Voucher Value**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Inventables**

**\$100 towards any item in store**

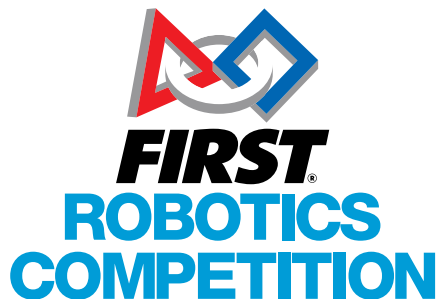
**06/03/2020**

**Team Responsibility**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**[www.inventables.com/first](http://www.inventables.com/first)**



**The Inventables PDV is usable as a gift code on the Inventables website for \$100 towards any item in the store.**

1. Retrieve your team's voucher code from the *FIRST*® system.
2. Add the desired items from our store to your cart.
3. Use the voucher code in the "Enter Promotion" field on the shopping cart page.
4. Check out as normal.



**PROUD  
SUPPORTER OF  
FIRST® TEAMS**



**FIRST  
ROBOTICS  
COMPETITION**



**INVENTABLES.**

**INVENTABLES.COM/FIRST**



**Organization Name**

**Voucher Value**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Mastercam**

**Educational Suite**

**10/31/2020**

**Included**

**Visit Team Registration Account**

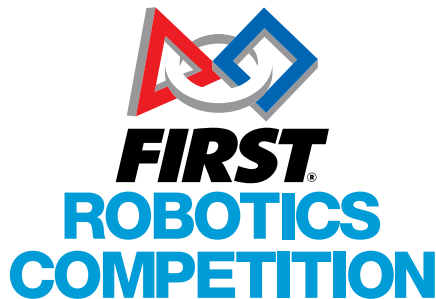
**(Lead Mentor 1 or 2)**

**[www.mastercam.com/community/competitions/first-robotics/](http://www.mastercam.com/community/competitions/first-robotics/)**

The Mastercam voucher represents one free license of the Mastercam 2020 Educational Suite. The Mastercam 2020 Educational Suite includes your choice of Mastercam or Mastercam for SOLIDWORKS. Mastercam is a CAD/CAM software that can be used to both design products and program the processes to manufacture parts, specifically on CNC machines. Mastercam generates toolpaths that drive machine tools to turn designs into physical parts.

**[Please go to www.mastercam.com/community/competitions/first-robotics/](http://www.mastercam.com/community/competitions/first-robotics/)**

Please fill out the required information on the registration page. Once we receive your request, an email will be sent with your activation code and instructions on downloading Mastercam.







M29 X-.3059 Y.6084 Z-4.8861 A-51.5539 828.4544 F686.13  
M30 X-.1599 Y.6058 Z-4.8486 A-52.0331 827.3917 F710.23  
M31 X-.0138 Y.6033 Z-4.811 A-52.5057 826.2988 F734.35  
M32 X.1324 Y.6088 Z-4.7733 A-52.9708 825.1754 F758.19

N29 X-.3059 Y.6084 Z-4.8861 A-1  
N30 X-.1599 Y.6058 Z-4.8486 A-1  
N31 X-.0138 Y.6033 Z-4.811 A-5  
N32 X.1324 Y.6008 Z-4.7733 A-5  
N33 X.2786 Y.5984 Z-4.7356 A-5  
N34 X.4249 Y.5961 Z-4.6978 A-5  
N35 X.5713 Y.5939 Z-4.66 A-5  
N36 X.7176 Y.5917 Z-4.6224 A-5

**Mastercam**®





Organization Name

Voucher Value

Expiration Date

Shipping

Access Code(s)

More Info

**National Instruments**

**NI LabVIEW Software**

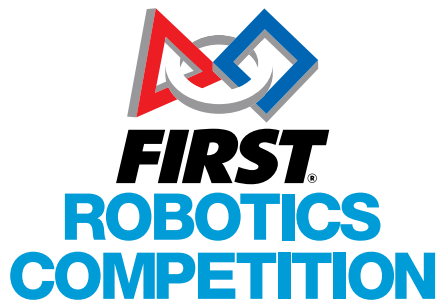
**01/15/2021**

**Included**

**Visit Team Registration Account**

(Lead Mentor 1 or 2)

**<http://www.ni.com/first>**



### **1. Access Your Team's Serial Number**

Have your Lead Mentor 1 or 2 log in to your team's account at [www.firstinspires.org](http://www.firstinspires.org) to access your serial number by clicking on "Passwords/Voucher Codes." This license also provides access to more than a dozen LabVIEW add-ons, NI Multisim for SPICE simulations, and NI Ultiboard for PCB design.

### **2. Download Software**

Get NI LabVIEW for *FIRST* Robotics Competition via the *FIRST* Robotics Competition Resource Hub at [www.ni.com/frc](http://www.ni.com/frc)

### **3. Learn and Earn**

Learn LabVIEW with free online training and earn skills badges at [www.ni.com/frc](http://www.ni.com/frc)





NI equips engineers and scientists with systems that accelerate productivity, innovation, and discovery.

## A Global Leader in Test, Measurement, and Control Solutions



### The NI Platform

NI accelerates engineering success by providing you with an open, software-centric platform that takes advantage of modular hardware and an expansive ecosystem.



### The NI Ecosystem

The NI ecosystem helps you build innovative systems more efficiently by providing services and support, software add-ons, and solution partners around the globe.



### NI Products

NI offers a combination of productive software, high-quality drivers, and modular hardware that helps you build user-defined solutions.

NI is a proud supporter and Strategic Partner of  **FIRST**

[www.ni.com](http://www.ni.com)



**Organization Name**

**Voucher Detail**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Next Gen Robots**

**CIM Cooler 180 or 775 Cooler 360**

**05/31/2020**

**Team Responsibility**

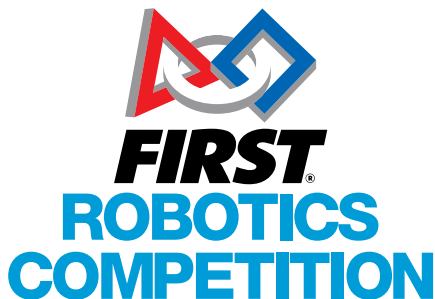
**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

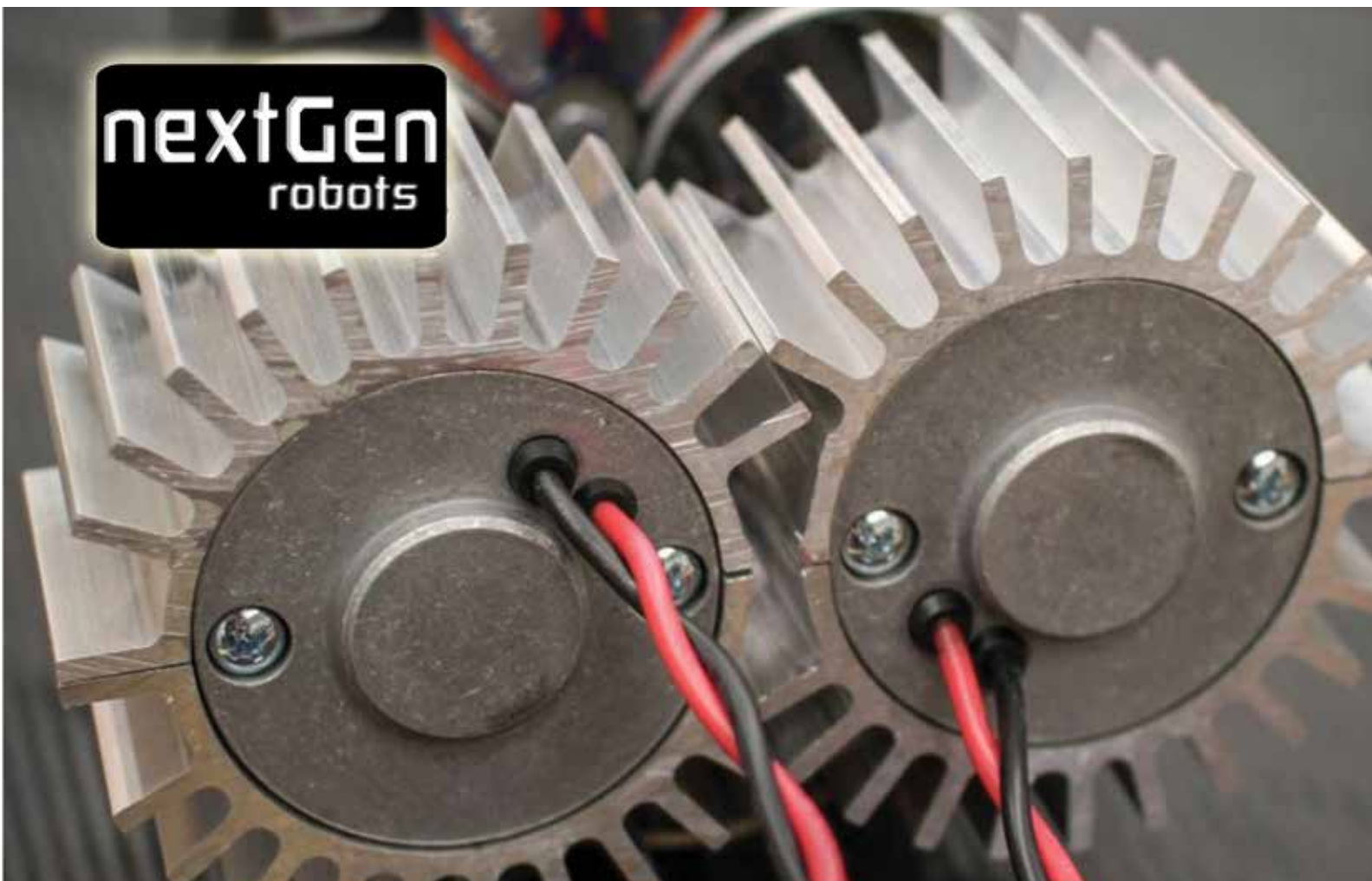
**[www.nextgenrobots.com](http://www.nextgenrobots.com)**

**Attention *FIRST*® Robotics Competition Teams:**

1. Be sure to email [sales@nextgenrobots.com](mailto:sales@nextgenrobots.com) with your Lead Mentor Name, *FIRST* Robotics Competition Team Number, and PDV Code found on the *FIRST* Robotics Competition Team Registration System so that we can make sure that your code is active!
2. Once confirmed, enter the team's assigned code from step 1 into "Coupon code" on your order and the discount will appear during checkout. Do not "Checkout as guest".
3. This coupon can be redeemed for one CIM Cooler 180 (an \$8.00 value) or one 775 Cooler 360 (an \$8.00 value) but products can be purchased in any combination and multiple amounts of the CIM Cooler or the 775 Cooler. After applying the coupon code during checkout, the total will be less \$8.00. Before submitting the order make sure the discount has been applied to the total. If the discount is not showing, try clicking "view cart" and reapply the code.



nextGen  
robots





Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

**PTC**

**PTC resources for *FIRST*® teams**

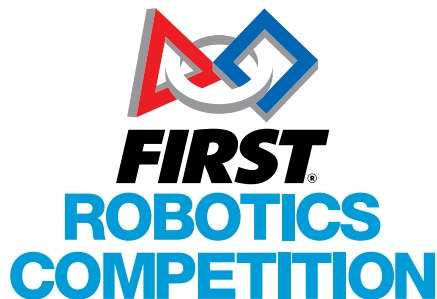
**09/12/2020**

**Included**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**[ptc.com/academic-program/student/first](https://www.ptc.com/academic-program/student/first)**



***PTC software and other resources available to FIRST teams:***

- ***PTC Creo*** – Industry standard 3D CAD software.
- ***Vuforia*** – Program your robot to identify images and objects in the 3D environment.
- ***Creo 3D models for kit of parts and playing field***
- ***AR playing field with Vuforia View***
- ***PTC FIRST team grants***

***Visit the FIRST | PTC webpage for more information:***

***<https://www.ptc.com/en/academic-program/student/first>***

***Send comments or questions to [FIRST@ptc.com](mailto:FIRST@ptc.com)***



[ptc.com/academic-program/student/first](http://ptc.com/academic-program/student/first)



PTC is proud to join forces with *FIRST*® to help you be the engineers and innovators of tomorrow.



**Organization Name**

**Voucher Value**

**Offer Expires**

**Shipping**

**Access code**

**Website**

**REV Robotics**

**\$50.00**

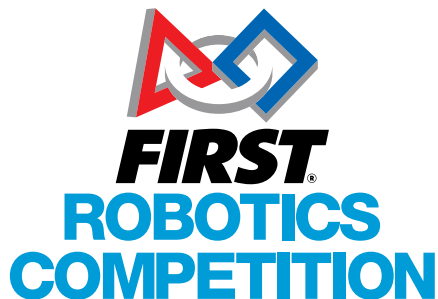
**06/30/2020**

**Team Responsibility**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**revrobotics.com**



*Receive \$50 towards most products on [www.revrobotics.com](http://www.revrobotics.com)*

Enter the code you receive as a "gift card" at checkout.

More instructions will be posted to <http://www.revrobotics.com/frc-voucher/>



# REV

ROBOTICS

Proud supporters of  
*FIRST*® Robotics Competition

Custom robot parts-  
designed for *FIRST*® students,  
by *FIRST*® mentors.

Motors, Structure, Electronics,  
and more: [www.revrobotics.com](http://www.revrobotics.com)



Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code

Website

**RoboPromo**

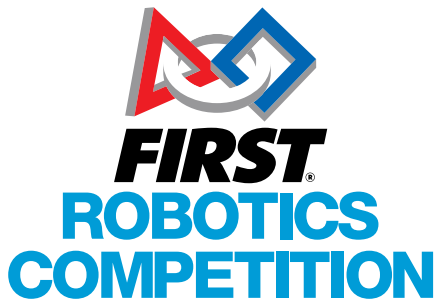
**FIRST® Iron-On Bumper Logos** (set of 8)

**05/01/20**

**Team Responsibility**

**logo20**

**[www.robopromo.com](http://www.robopromo.com)**



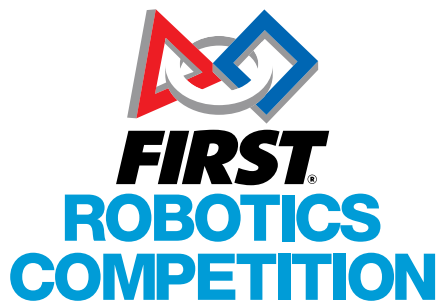
**Instructions:**

- Go to **[www.robopromo.com](http://www.robopromo.com)** and enter access code **logo20** at checkout (include team number) to receive (1) pack of (8) iron-on logos: 3.75" x 5"
- *Available to FIRST® Robotics Competition Teams only.*
- *Available 01/04/20 (one order per team)*





# SIEMENS



Organization Name

**Siemens**

Voucher Detail

**Solid Edge 3D CAD Software and  
Certification Exam**

Expiration Date

**11/27/20**

Shipping

**Included**

Access Code

**FIRST2020**

Websites

**[www.www.siemens.com/FIRSTRobotics](http://www.www.siemens.com/FIRSTRobotics)  
[www.siemens.com/plm/solidedgecertification](http://www.siemens.com/plm/solidedgecertification)**

*Siemens is pleased to offer Solid Edge 3D CAD Software to each and every member of your FIRST® Robotics Competition team a free academic license of Solid Edge for use in designing, editing and building your winning robot.*

You can download the software at your convenience at

**[www.www.siemens.com/FIRSTRobotics](http://www.www.siemens.com/FIRSTRobotics)**

To redeem your voucher for a free student license of Solid Edge, simply visit the landing page above.

*And when you've become proficient in Solid Edge we invite you to take the Solid Edge certification exam. For FIRST Team members, Siemens will waive the usual \$25.00 fee.*

Visit: **[www.siemens.com/plm/solidedgecertification](http://www.siemens.com/plm/solidedgecertification)** and enter promo code **FIRST2020**.

*Good luck this season!*

Looking for a competitive advantage this season?  
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Download Siemens Solid Edge®  
Software for students today! Solid  
Edge is powerful, easy-to-learn,  
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Quickly learn how to design in  
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register for Associate I certification  
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**Organization Name**

**Voucher Detail**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**SolidProfessor**

**One Free Membership**

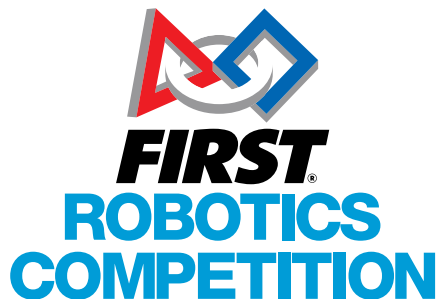
**11/14/2020**

**Included**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**<https://go.solidprofessor.com/first-robotics-competition-mentorship>**



***With this voucher, your team will receive one free individual annual membership to SolidProfessor,*** giving you access to SolidProfessor's online CAD and CAM training to help your team become more efficient designers. The training is organized into short, bite-sized videos that make learning CAD and CAM easier than ever. You can follow the full courses or search through the SolidProfessor Library of videos to find the help you need. You also can access SolidProfessor's cert prep training so you can ace your next certification exam.

To redeem your voucher, visit the SolidProfessor *FIRST* Robotics Competition web page and fill out the short form. Within a week, a SolidProfessor team member will set up your free membership and reach out to you at the email address provided with information about how to access your account. It's that easy!



# 1-Year SolidProfessor Membership

---

Voucher available for  
**FIRST®** teams in the 2020  
Virtual Kit of Parts.  
Access online CAD  
training today!





Organization Name

**3DS SOLIDWORKS**

Voucher Detail

**SOLIDWORKS 3D Design Software Suite**

Expiration Date

**06/01/20**

Shipping

**Included**

Access Code

**n/a**

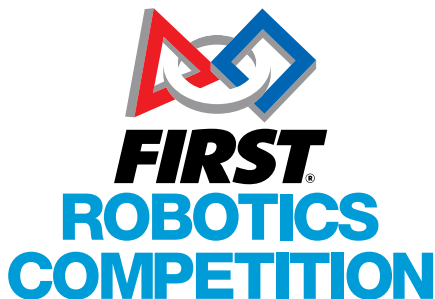
Website

**[WWW.SOLIDWORKS.COM/FIRST](http://WWW.SOLIDWORKS.COM/FIRST)**

***SOLIDWORKS wants to help develop the engineers and innovators of tomorrow. We are pleased to sponsor your **FIRST** team and support them with **SOLIDWORKS** software.***

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- SOLIDWORKS Sustainability
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- SOLIDWORKS PCB
- SOLIDWORKS CAM Professional
- SOLIDWORKS MBD
- SOLIDWORKS Visualize
- MySolidWorks for Students







**Organization Name**

**Voucher Detail**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Swyft Robotics**

**10 pc ½ in Hex Bearings (SKU: BRG-0001)**

**4/30/2020**

**Team Responsibility**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**[www.SwyftRobotics.com](http://www.SwyftRobotics.com)**

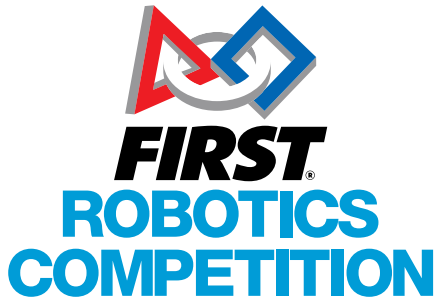
**Instructions:**

1. Go to [www.SwyftRobotics.com/Voucher](http://www.SwyftRobotics.com/Voucher)
2. Enter your valid code from the *FIRST*® Team Registration System
3. Enter shipping and billing information
4. Place the order and wait for the arrival

**Restrictions:**

1. The order must be shipped to a US address.
2. The credit card must be issued by a US or Canadian bank.
3. The Voucher does not include shipping; the team will be responsible for shipping cost.

Valid for 10 pc ½ in Hex Bearings (SKU: BRG-0001). Limit one per *FIRST*® Robotics Competition Team. Must be registered for the 2020 robotics season. Voucher not transferable to other people or teams.







# SWYFT

## Robotics

[swyftrobotics.com](http://swyftrobotics.com)

[swyftrobotics](#)

[swyftrobotics](#)



**Organization Name**

**Voucher Detail**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Tableau**

**One copy of Tableau Desktop**

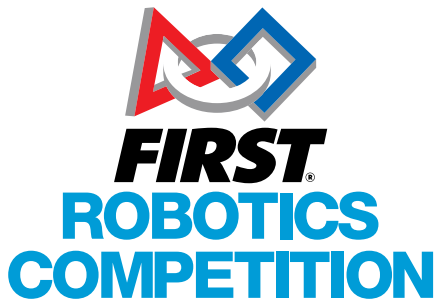
**04/30/20**

**Included**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**[www.tableau.com/first-robotics](http://www.tableau.com/first-robotics)**



***Complimentary access to Tableau Desktop data analysis and visualization, and Tableau Prep for data preparation.***

*Visualize your data. Quickly answer questions. Play better defense, pick alliance partners, analyze robot performance, target your fundraising, and reduce inventory waste.*

- Use the product code found in your Lead Mentors' 1 and 2 *FIRST*® registration accounts for five activations per team.
- Don't forget to check out Tableau's free online resources (<https://www.tableau.com/first-robotics>) created specifically for *FIRST*® Robotics Competition students.

*These access codes are for educational use only. Please do not share your key with anyone outside your team.*

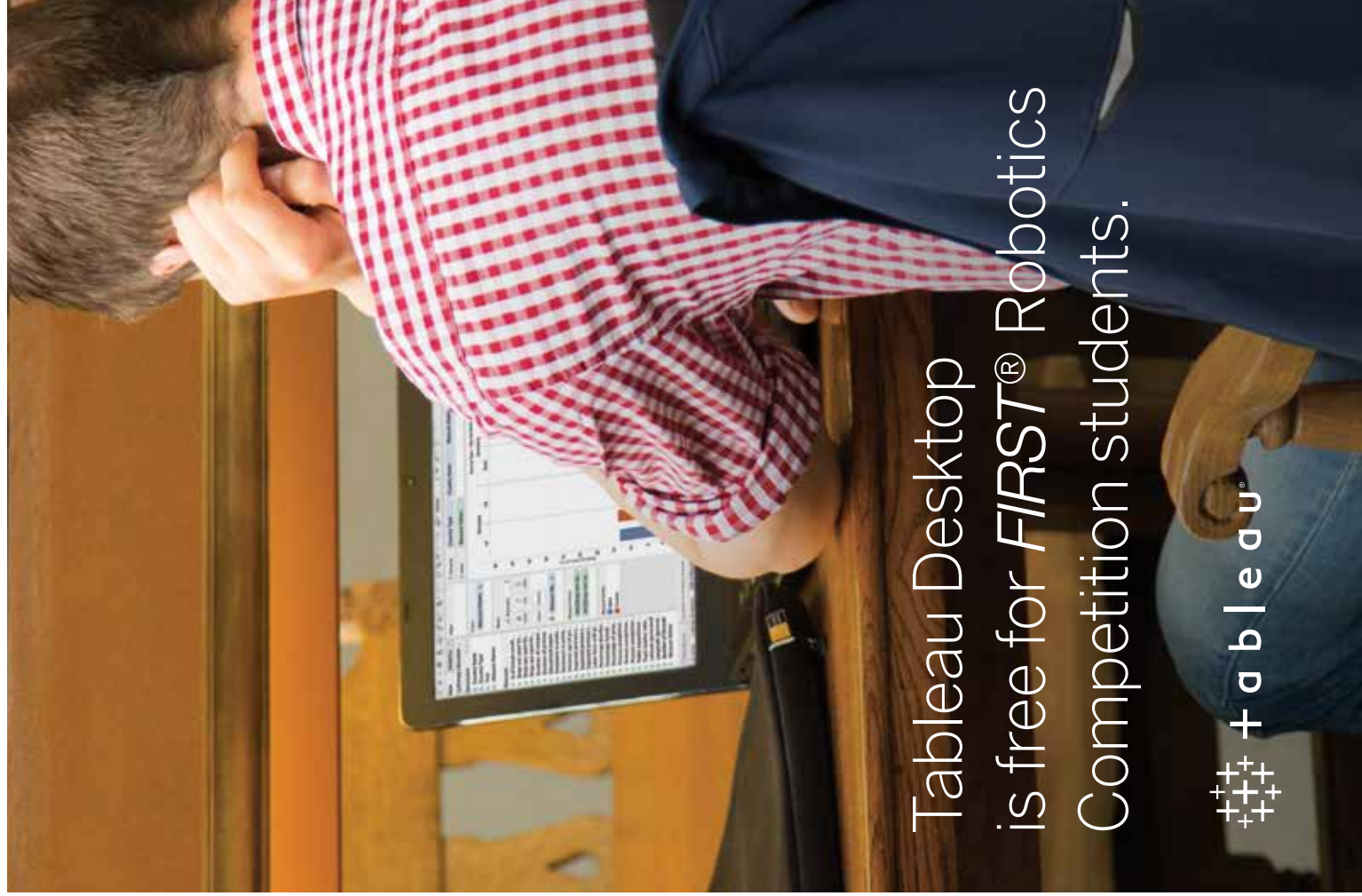


Tableau Desktop  
is free for *FIRST*® Robotics  
Competition students.

+++ + a b l e a u ®



**Organization Name**

**TE Connectivity**

**Voucher Detail**

**\$25.00**

**Expiration Date**

**06/01/2020**

**Shipping**

**Included**

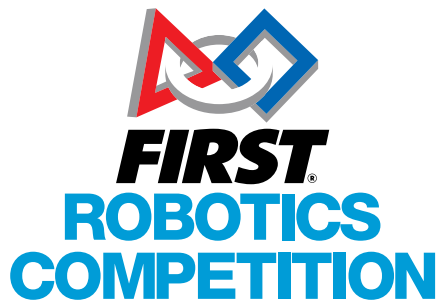
**Access Code(s)**

**Visit Team Registration Account**

**(Lead Mentor 1 or 2)**

**Website**

**[www.te.com/first](http://www.te.com/first)**



***\$25.00 for FIRST® Robotics Competition Teams to receive  
TE Connectivity products***

**To redeem:** Check the FIRST® Kit of Parts website for details.



\$25

for

**FIRST® Robotics  
Competition Teams**

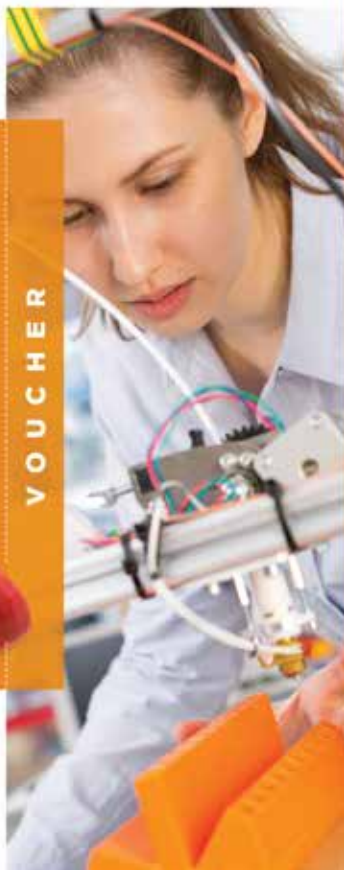
to receive

TE Connectivity products

**TO REDEEM:**

Check the FIRST® Kit of Parts  
website for details.

VOUCHER



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To view more products visit  
**te.com**





**Organization Name**

**Voucher Value**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Vulcan Spring & Manufacturing Co.**

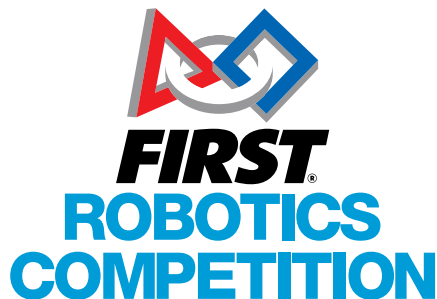
**6 Free Springs from Select List**

**12/31/20**

**Included** (U.S. and Canada)

**Provided in packets**

**<http://www.vulcancares.com>**



We are offering six constant force springs to each team participating in the competition. Mix and Match any springs from our constant force stock offering. The offer also includes free shipping within the USA and Canada! Orders are limited to 1 per team per year.





Beyond the Spring™ ▶▶▶

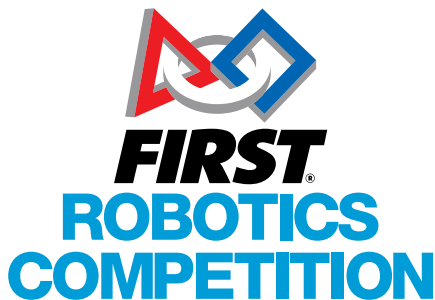
Sharing Spring  
Solutions with  
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Competition  
Since 2007

Phone: 215-721-1721 | 501 Schoolhouse Road, Telford, PA 18969





**WOLFRAM**  
COMPUTATION MEETS KNOWLEDGE



**Organization Name**

**Voucher Detail**

**Expiration Date**

**Shipping**

**Access Code(s)**

**Website**

**Wolfram Research**

**A year of Wolfram|One, Wolfram SystemModeler,  
and Wolfram|Alpha Pro**

**06/01/2020**

**Included**

**See below for details**

**[www.wolfram.com/firstrobotics/](http://www.wolfram.com/firstrobotics/)**

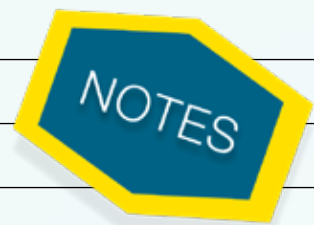
**To claim your software, visit [www.wolfram.com/firstrobotics](http://www.wolfram.com/firstrobotics)**

**Students:** Please use the screencast code “**FRCSTU53SYSW1PR2020**” and complete the team name and coach name fields in the form.

**Coaches:** Please use “**FRCOACH54SYSW1PR2020**” as the screencast code in the form.

Wolfram resources for *FIRST*® Robotics Competition are non-transferable and may only be used by registered participants of *FIRST*® Robotics Competition. This offer expires on June 1, 2020







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**Grades K-4; ages 6-10**



**FIRST  
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LEAGUE**

**Grades 4-8; ages 9-16\***

\*ages vary by country



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ROBOTICS  
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