

Supplier	Part Description	Part Number	Where to get more...
Altium	Altium Designer Software	14-000-S	www.altium.com
American Casting	Bag & Tag Seals	9001-16	www.americancasting.com
Analog Devices	Accelerometer	ADXL234	This product not available for purchase, design files posted here
Analog Devices	Gyro	ADW22307	This product not available for purchase, design files posted here
Anderson Power Products	SB50 Red Housing	992G1-BK	www.andersonpower.com
Anderson Power Products	Contact #6/#8 AWG	265G5	www.andersonpower.com
AndyMark	C-Base	AM-0735	www.andymark.com
AndyMark	CIMple Box Gearbox	AM-0734	www.andymark.com
AndyMark	6" HiGrip FIRST Wheel	AM-0940	www.andymark.com
AndyMark	S35-26LE Sprocket	AM-0744	www.andymark.com
AndyMark	S35-12DHE	AM-0743	www.andymark.com
AndyMark	35 Series Roller Chain	AM-0367	www.andymark.com
AndyMark	Connecting Link for 35 Chain	AM-0368	www.andymark.com
AndyMark	3/8" ID Ball Bearing	AM-0209	www.andymark.com
AndyMark	Battery Plug	AM-0122	www.andymark.com
AndyMark	10-24 Thread Forming Screw	AM-1123	www.andymark.com
AndyMark	CIM Motor	AM-0255	www.andymark.com
AndyMark	Gasket Kit for cRIO	AM-0590	www.andymark.com
AndyMark	9015 Motor	AM-9012	www.andymark.com
AndyMark	PG71 Motor	AM-9014	www.andymark.com
austriamicrosystems	Magnetic Rotary Encoder	AS5030-AB	www.austriamicrosystems.com/eng/Products/Magnetic-Encoders or from digikey.com
austriamicrosystems	Magnetic Linear Encoder	AS5304-AB	www.austriamicrosystems.com/eng/Products/Magnetic-Encoders or from digikey.com
Autodesk	Inventor CAD Software	N/A	www.autodesk.com/first
AutomationDirect.com	Push to Connect Pneumatic Fittings	Various	www.automationdirect.com
AutomationDirect.com	Direct Mount Terminal Strip	BM-M092CS	www.automationdirect.com
AutomationDirect.com	Wire	Various	www.automationdirect.com
AutomationDirect.com	Ethernet Crossover Cable	078-505	www.automationdirect.com
Axis	Camera, Axis M1011	M1011	Many retailers have this item. No specific outlet has been arranged.
BaneBots	Motors	Various	www.banebots.com

BaneBots	CIM Motor	M4-R0062-12	www.banebots.com
Batteries Plus New Hampshire	Battery Charger	sc-600A	Many retailers have this item. No specific outlet has been arranged.
Beckler's Carpet Outlet, Inc.	Competition Carpet	#50510/ 30753	See Note 6
Bimba	Pneumatic Cylinders	Various	www.bimba.com
Bishop-Wisecarver Corp	Aluminum Extrusion	Various	www.bwc.com
Burndy	Tie Wraps	Various	www.andymark.com
Burndy	Mechanical Lugs	KPA4CUNPL	www.andymark.com
Burndy	Compression Lugs	YAZV6CTC14FX	www.andymark.com
Allied Electronics	Jumper	374-1253	Many retailers have this item. No specific outlet has been arranged.
Cable Wholesale	Cable, RJ12	8102-66107	Many retailers have this item. No specific outlet has been arranged.
Cable Wholesale	DB9/RJ12 Adapter	31D1-16400	Many retailers have this item. No specific outlet has been arranged.
Cablesforless.com	Ethernet Cable	Various	Many retailers have this item. No specific outlet has been arranged.
Clippard	Air Volume Chamber	SS-1154	www.clippard.com/distributors
Cross The Road Electronics	CAN Cable Kit	CTRE-FRC-CAN1	www.crosstheroadelectronics.com
CTL Corp	2GO Classmate PC	NBCE11F ^{Note 1}	www.ctlcorp.com/go/first
Current Logic	Power Converter	360-CPR	www.current-logic.com
Cypress Semiconductor	PSoC 3 First Touch Kit	CY8CKIT-003	www.cypress.com
Denso	Window Motor (Left)	262100-3040	Not available for purchase
Denso	Window Motor (Right)	262100-3030	Not available for purchase
Denso	Throttle Control Motor	AE235100-0160	Not available for purchase
Diamond Technologies	Power Connector, Wago 2 Pole	734-102	www.diamont.com
D-Link	Robot Radio	DAP-1522	Many retailers have this item. No specific outlet has been arranged.
ebm-papst	Fans	Various	Contact dottie.reeve@us.ebmpapst.com
EnerSys	Batteries	NP18-12B	www.dantona.com
eStop Robotics	Ethernet Jack Extension	CBL-EJX001	www.estoprobotics.com
eStop Robotics	Battery Base	ESR-357	www.estoprobotics.com
Festo	24VDC Double Solenoid Valve	566475 ^{Note 2}	http://www.festo.com/cms/en-us_us/ols.htm
Festo	Push/Pull Fitting	183740 ^{Note 2}	http://www.festo.com/cms/en-us_us/ols.htm
Festo	Control Box	566716 ^{Note 2}	http://www.festo.com/cms/en-us_us/ols.htm
Festo	0.5m Solenoid Cable	566654 ^{Note 2}	http://www.festo.com/cms/en-us_us/ols.htm
Fisher Price - Power Wheels	Motors	3800-9697D	Not available for purchase

Freelin-Wade Company	Pneumatic Tube	Various	www.freelin-wade.com/first.htm
Gates Corporation	Belts and Pulleys	Various ^{Note 1}	www.gates.com/first
Gopher	Game Piece	71-502 ^{Note 5}	www.gopher.com
Haydon Kerk Motion Solutions, Inc.	Leadscrew Assembly	BZ8M16 x 15"	www.haydonkerk.com
HITEC RCD	Servo	33322S	Many retailers have this item. No specific outlet has been arranged.
Honeywell Sensing & Control	V Basic Switches	V7-2B17D8-048	www.honeywell.com/sensing
HPE Automation	Teflon Tape	Various	www.hpeco.com
igus Inc.	igus Parts Bag	Various ^{Note 1}	www.igus.com
Innovation First International	Spike H-Bridge Relay	217-0220	www.vexrobotics.com/frc
Innovation First International	Victor 884 12 Volt Speed Controller	Victor 884 12/12	www.vexrobotics.com/frc
Java	Software		www.java.com or www.netbeans.org
Kent Elastomer	Latex Tubing	Various	Many retailers have this item. No specific outlet has been arranged.
Maxbotix	Sonar Range Finder	LV-MaxSonar-EZ1	www.maxbotix.com
Microsoft	Kinect	LPF-00068	www.microsoftstore.com/Xbox_Kinect
Nason	Low Pressure Switch	SM-2B-115R/443	www.nasonptc.com
National Instruments	Compact RIO (cRIO)	cRIO-FRC II ^{Note 1}	www.ni.com
NH Precision	Camera Case	AM-0568	www.andymark.com
Norgren	Regulator	R07-100-RNEA	www.norgren.com/usa
Norgren	Relief Valve	16-004-011	www.norgren.com/usa
Norgren	Gauge	18-013-212	www.norgren.com/usa
Norgren	Mounting Bracket	18-025-003	www.norgren.com/usa
Parker Hannifin	Pneumatic Fittings	Various	www.parker.com
Pelham Plastics	Coupler, Denso Motor	Denso-6	Not available for purchase
RAF Electronics	Standoff, Male/Female	219-1048	www.rafhdwe.com/
Reflexite	Reflective Material	GP020	www.reflexite.com or www.andymark.com
Rockwell Automation	Photo Sensor	42EF-D1MNAK-A2	www.rockwellautomation.com
Rockwell Automation	Panel Signal Device	855PB-B12ME522	www.rockwellautomation.com
Ruland Manufacturing Company	Ruland Bag Components	Various	www.ruland.com
Sauro	Power Connector, cRIO	CTF040V8	Many retailers have this item. No specific outlet has been arranged.

SDSHobby	2-Wire Jumper Cable	Various	Many retailers have this item. No specific outlet has been arranged.
SDSHobby	DB37 Extension Cable	Various	Many retailers have this item. No specific outlet has been arranged.
SDSHobby	RC Extension Cable	Various	Many retailers have this item. No specific outlet has been arranged.
SDSHobby	Y-Adapter Cable	Various	Many retailers have this item. No specific outlet has been arranged.
Snap Action, Inc	Circuit Breakers	Various	www.andymark.com
Targus	USB Hub	ACH102USX	www.targus.com/us/epp/first.aspx
Terminal Supply Company	High Amp Circuit Breaker	CB3SM12U	www.terminalsupplyco.com
Texas Instruments Incorporated	Gray Jaguar	MDL-BDC	www.andymark.com (available only in <i>FIRST</i> Choice)
Texas Instruments Incorporated	Black Jaguar	MDL-BDC-24	www.luminarymicro.com or www.ti.com or www.digikey.com or www.andymark.com
Texas Instruments Incorporated	High-Performance Analog Devices	HPA	www.luminarymicro.com or www.ti.com or www.digikey.com or www.andymark.com
TigerDirect.com	Attack 3 Joystick	963291-0403	Many retailers have this item. No specific outlet has been arranged.
Total Electronics	Power Distribution Board	AM-0265	www.andymark.com
Total Electronics	Digital Sidecar	AM-0266	www.andymark.com
Total Electronics	Analog Breakout	AM-0267	www.andymark.com
Total Electronics	Solenoid Breakout	AM-0268	www.andymark.com
Triangle Manufacturing Company	Triangle Bag Components	Various	www.TriangleOshkosh.com/robotics
Tyco Electronics	Electric Terminals	Various	Many retailers have this item. No specific outlet has been arranged.
US Digital	Optical Encoder	E4P-360-250-S4149 ^{Note 3}	www.usdigital.com/first
Vex Robotics	CIM Motor	217-2000	www.vexrobotics.com/frc
Viair	Air Compressor	00090	www.viair.com
WAGO Corporation	2 Position PCB Terminal Strip	739-302	www.wago.com
WAGO Corporation	2 Position Vertical Header	734-132	www.wago.com
WAGO Corporation	2 Position Right Angle Header	734-162	www.wago.com
WAGO Corporation	2 Position Female Plug	734-102	www.wago.com
WAGO Corporation	12 Position Custom PCB Assembly	745-0003	www.wago.com
WAGO Corporation	8 Position Custom PCB Assembly	745-0003	www.wago.com
Wind River	VxWorks Edition 3.3	500-115975	www.windriver.com

Notes

1. This item may be available at a discount for FRC participants. The discount may be limited in availability, please contact supplier for details.
2. Each team must register on the OLS, and choose the “purchaser” option for placing orders. Two other options are offered, but those are usually used for engineer data. Only credit cards can be used to order parts, and the “bill to” and “ship to” addresses must match. Once they have completed their registration, after 24 hours, please contact Festo for final registration. This can be done by dialing 1-800-993-3786. Ask for either Carole Nimrod or Santos West. Either of them will complete the registration process, and orders then can be placed directly from the OLS. Should a school wish to recover the sales tax, they can forward their tax exempt certificate to Helen Kinsley, by e-mail at helen.kinsley@us.festo.com, or by mail at: Festo Corp., 395 Moreland Rd., Hauppauge, New York, 11788.
3. After January 9, 2012, the new part number will be E4P-360-250-N-S-S4149
4. Limited quantities of this item may be available via FIRST Choice
5. A limited number of basketballs without the FIRST or Footlocker logos are available via the Gopher website. Basketballs with the logos are available at www.andymark.com and via FIRST Choice.
6. Order the official Competition Carpet from Beckler’s Carpet Outlet, Inc., 3051 N. Dug Gap Road SW, Dalton, GA 30722, Attn: Debbie Collins, dmcollins@becklerscarpet.com. Ordering Info: Shaw’s Neyland 20, Color: Park Bench, #50510 / 30753