

✓ Item Description	Supplier	Part Number	Qty	Where to get more?	Photo
Bag #1					
Assorted Terminal Bag ~5 x 10-12 AWG Disconnect F (PN 80610531362) ~2 x 10-12 AWG Parallel Connector (PN 806013858) ~2 x 14-16 AWG Parallel Connector (PN 806013837) ~20 x 10-12 AWG Quick Disconnect F (8061053121) ~20 x 14-16 AWG Quick Disconnect F (8060139171) ~20 x 10-12 AWG Quick Disconnect M (8061005780) ~20 x 14-16 AWG Quick Disconnect M (806100560) ~10 x 10-12 AWG Ring Terminal (PN 80610048540) ~5 x 14-16 AWG Ring Terminal (PN 80610040737) ~5 x 18-22 AWG Ring Terminal (PN 80610035307)	(24) (4) (9) (6) (71)	TERMINAL_BAG- 2020	1	No Specific Source	
Wire 06 AWG, Black, 1½ ft. length	Belden	06AWGB-1.5	1	No Specific Source	\bigcirc
Wire 06 AWG, Red, 1½ ft. length	Belden	06AWGR-1.5	1	No Specific Source	
Wire 12 AWG, Red & Black, 15 ft. length each	Belden	12AWGB-15 12AWGR-15	1	No Specific Source	
Wire 18 AWG, Red & Black, 10 ft. length each	Belden	18AWGB-10 18AWGR-10	1	No Specific Source	



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	UNIWRAP Cable Ties 4 in., 18 lb, white, bag of 100	BURNDY LLC	CT18075C	1	No Specific Source	100 mm
	UNIWRAP Cable Ties 7.5 in., 50 lb, white, bag of 100	BURNDY LLC	CT50175C	1	No Specific Source	The second secon
	Bag #3					
	Hex Hub Half ½ in.	Armabot	A0066	2	https://www.armabot.com/	
	Sticker: F1 Intake Instructions	Armabot	2020-F1STICK	1	https://www.armabot.com/	ARMABOT Hintake Instructions
	Sticker: RS7 Encoder Instructions	Armabot	2020-RS7STICK	1	https://www.armabot.com/	ARMABOT RS7 Encoder Instructions
	Cable Retaining Clips Pack of 10	Innovation First International	276-4128	1	www.vexpro.com	Photo: VEXpro



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	Shaft Collar % in.	Ruland Manufacturing Co., Inc.	CL-6-A	1	www.ruland.com/first	RULAND Q
	Circuit Breaker 20A	Snap Action, Inc.	VB3-A20-F57	2	www.snapaction.net or www.andymark.com	The State of the S
	Circuit Breaker 30A	Snap Action, Inc.	VB3-A30-F57	2	www.snapaction.net or www.andymark.com	All Market
	Circuit Breaker 40A	Snap Action, Inc.	MX5-A-40	6	www.snapaction.net or www.andymark.com	10 mg
	Vulcan Springs Packet 1 Series H (PN SH6G25), 1 Series L (PN SL6G25), voucher info page	Vulcan Spring & Mfg. Co.	SH6G25 SL6G25	1	http://info.vulcanspring.com/fi rst-robotics-competition	SALES
	Bag #4					
	Grip Material 18 in. length	3M	70006701497 or 300LSE	1	No Specific Source	



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Electrical Tape "Super 33+," Vinyl, Black, ¾ in x 66 ft.	3M	34-8720-3265-0	1	No Specific Source	
Electrical Tape "35 Red," Vinyl, Red, ¾ in x 66 ft.	3M	38-9019-3978-5	1	No Specific Source	ST FRANCISCO STATE OF THE STATE
CULUG Copper Compression Terminal 6 AWG, bag of 8	BURNDY LLC	YAZV6CTC14FX	1	www.andymark.com	CALLED TO SERVICE OF THE PARTY
Bumper Material Sample	Robopromo.com	N/A	1	Not Available	3
INFINITE RECHARGE Participation Pins Bag of 40	Sports Awards	2020_PINPACKET	1	www.firstinspiresawards.com	
Bag #6					
Bumpon SJ5003, Sheet of 56	3M	70070079671	1	No Specific Source	



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Bumpon SJ5009, Sheet of 24	ЗМ	70070079754	1	No Specific Source	
Heat Shrink Thin-Wall Tubing, ⅓ in., 4 ft. length, FP301	3M	80611600893	2	No Specific Source	
Heat Shrink Thin-Wall Tubing, ¼ in., 4 ft. length, FP301	3M	80611600968	2	No Specific Source	
Heat Shrink Thin-Wall Tubing, ½ in., 4 ft. length, FP301	ЗМ	80611601206	2	No Specific Source	
Instant Adhesive Scotch-Weld	ЗМ	CA8	1	No Specific Source	
Plastic & Rubber Instant Adhesive Scotch-Weld	ЗМ	PR100	1	No Specific Source	Standard Wood of Standa



Ø	Item Description	Supplier	Part Number	Qty	Where to get more?	Photo
	Info packet SB50 connector	Anderson Power Products	N/A	1	Not Available	The state of the s
	Autodesk sticker sheet	Autodesk	2020- AutodeskStickers	1	Not Available	A AUTODESK A AUTODESK A AUTODESK A AUTODESK F STORMAN S TOTAL STORMAN S S STORMAN S S S S S S S S S S S S S S S S S S S
	Voucher Info Sheet	Digi-Key Electronics	N/A	1	Not Available	1,500,000- salvenum to took ob- survenum salvenum took survenum salvenum took salvenum salven
	Ruler	Digi-Key Electronics	DIGIKEYRULER	1	Not Available	
	Sticker Card	Digi-Key Electronics	N/A	1	Not Available	MAKER.10
	FIRST RISE presented by Star Wars: Force for Change, Decal for Robot	FIRST	2020-THEME- DECAL	1	Not Available	FIRST FORCE IS BLILLOW WARS



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FMS/Events Flyer	FIRST	eventFlyer2020	1	Not Available	COLUMN CO
Event Housing Info Sheet	FIRST	N/A	1	Not Available	Take me with youl
FLUKE Sticker	Fluke Industrial	FLUKE-STICKER	1	Not Available	FLUKE
VEXPro Poster	Innovation First International	217-6120	1	www.vexpro.com	Services .
VexPro Sticker Packet	Innovation First International	2020- VEXPACKET	1	www.vexpro.com	123456
High Performance Ultrasonic Rangefinder (sensor stapled to flyer)	MaxBotix Inc.	MB1013-000	1	www.Maxbotix.com/firstrobotics	PRESENSOR:



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	Molex Info Card	Molex	2020-MOLEX	1	Not Available	FREE NORICE SAMPLES and in section of the section
	National Instruments Kickoff Kit Packet	National Instruments	N/A	1	Available Online	FORCES TO SERVICE TO S
	Postcard: Siemens software/certification	Siemens	2020- SIEMENSCARD	1	Not Available	Section 16 Assessment Production of the Control of
	2020 Kit of Parts (Voucher) Catalog	D3	N/A	1	Available Online	INFINITE RECHIRAGE
	Aluminum Info Sheet	Hydro Extrusion North America	N/A	1	Not Available	2. 197
	Virtual Kit Checklist	D3	N/A	1	Available Online	Constitution of the state of th



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Info M	<i>l</i> lagnet	WPI	N/A	1	Not Available	Participation of the control of the
Info S	Sheet	WPI	N/A	1	Not Available	Robeline wife The state of the
Igus I	Bag					
e-cha 1 mete	in® cable carrier	igus Inc.	05-4-038-0	1	www.igus.com	Photo: igus
e-cha	in® cable carrier mounting bracket set	igus Inc.	050-20-12	1	www.igus.com	*
	flex cable G, 2 wire	igus Inc.	CF9-05-02	1	www.igus.com	
iglide 12 in. s	® tribo-tape	igus Inc.	A160T5100S305	1	www.igus.com	



☑ Item Description	Supplier	Part Number	Qty	Where to get more?	Photo
drylin® N linear guide system With 24 in. rail & 2 carriages	igus Inc.	NK02-40-2-610	1	www.igus.com	Photo: igus
iglide® J plain bearing	igus Inc.	JSI-1012-08	2	www.igus.com	Photo: igus
iglide® J plain bearing w/ flange	igus Inc.	JFI-1012-08	2	www.igus.com	
iglide® M250 plain bearing	igus Inc.	MTI-10	2	www.igus.com	Photo: igus
igubal® rod end	igus Inc.	EBRI-10R	2	www.igus.com	
igubal® flange	igus Inc.	EFOI-10R	2	www.igus.com	



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	drylin® S aluminum shafting 24 in.	igus Inc.	AWI-10	2	www.igus.com	
	iglide® MCI bearing	igus Inc.	MCI-06-01	4	www.igus.com	Photo: igus
	REV Robotics Kit					. Holo. igao
	2-Wire Jumper Cable 36 in., F/F	REV Robotics	REV-11-1134	1	www.revrobotics.com	
	CAN Wire 22 AWG, Green/Yellow Twist, 36 in.	REV Robotics	REV-11-1149	1	www.revrobotics.com	
	PWM Y Cable 22 AWG, 12 in., F/MM	REV Robotics	REV-11-1131	2	www.revrobotics.com	66
	PWM Cable 22 AWG, 36 in., F/M	REV Robotics	REV-11-1130	4	www.revrobotics.com	



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POE Injector Cable	REV Robotics	REV-11-1210	1	www.revrobotics.com	
Color Sensor	REV Robotics	REV-31-1557	1	www.revrobotics.com	
Color Sensor Cable 4-pin JST to FRC I2C, 100cm	REV Robotics	REV-11-1729	1	www.revrobotics.com	
Loose					
Dual Lock Reclosable Fastener 12 ft.	3M	SJ3540 or 70070521052	1	No Specific Source	
VHB Tape	3M	70006149820	1	No Specific Source	
Scholarship Calendar	FIRST	N/A	1	Not Available	



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Compliant Wheel, 4in. 1/2in Hex, 50 Durometer	AndyMark	am-3480_blue	1	http://www.andymark.com	
Stealth Wheel, 2in. 1/2in. Hex, 50 Durometer	AndyMark	am-3155_blue	1	www.andymark.com	
Pneumatic Tubing Kit Two 25 ft. tubing & voucher flyer	AutomationDirect. com	2020-AD-Bag	1	No Specific Source	
Main Circuit Breaker 120A	Eaton - Bussmann Division	CB185-120	1	www.eaton.com/bussmannse ries	
Robot Radio Dual Band 1.17 Gbps Access Point	Open Mesh Networks	OM5P-AC	1	www.andymark.com	
Throttle Motor	DENSO/ ASMO	AE235100-0160	1	Not Available	



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Power cable, for ra	adio	Epec	PwrCblRdo	1	No Specific Source	
Game Piece: POW	ER CELL	Flaghouse	1892-YEL or AM-4200	1	www.andymark.com	⊗ FIRST
775 Pro Motor		Innovation First International	217-4347	1	www.vexpro.com	HEAD.
MiniCIM Motor		Innovation First International	217-3371	1	www.vexpro.com	
Motor Controller Victor SPX		Innovation First International	217-9191	2	www.vexpro.com	Photo: VEXpro
CIM Motor		Innovation First International	217-2000	2	www.vexpro.com	



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Foan	n Gripper	John Deere	M156751	2	Not Available	/
Trave	el Waist Pack	Kettering University	TravelPack	1	Bob Nichols bnichols@kettering.edu	Self-Feddar The Part
BB8	Banner	The Walt Disney Company	BB8BANNER	1	Not Available	STAR PARE POR CHARGE
	e ry d Lead Acid, 12V, 18Ah, Bolt Fastened, argeable	MK Battery	ES17-12	1	www.mkbattery.com	TANKE O PID James
	ot Signal Light anel Signal Device)	Rockwell Automation	855PB- B12ME522	1	No Specific Source	
	board VR Viewer s vary)	Siemens	cardboardvr	1	Not Available	Who will have been a second as



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	Ethernet cable colors & lengths vary	Various	ethernetcable	1	No Specific Source	1300 g
	Lazy Susan	Triangle Manufactureing	12D10346	1	www.triangleoshkosh.com	
	Color Swatch for Control Panel	TurnOne Graphics	ColorSample	1	Not Available	
	Battery Connector SB50-FR (housing) and 5900-BK (contacts)	Anderson Power Products	2020_CONNECTORS	3	http://www.andersonpower.co m (housing & contacts) http://www.andymark.com (connector assembly)	