


















<input checked="" type="checkbox"/>	Item Description	Supplier	Part Number	Qty	Where to get more?	Photo
	Bag #1					
	Assorted Terminal Bag ~2 x 12-10 AWG connector (PN 80610050744) ~2 x 14-16 AWG connector (PN 80610047351) ~10 x 12-10 AWG quick disconnect F (80610531214) ~10 x 16-14 AWG quick disconnect F (80610047591) ~10 x 12-10 AWG quick disconnect M (80610057806) ~10 x 16-14 AWG quick disconnect M (80610056071) ~20 x 12-10 AWG ring (PN 80610048540) ~5 x 14 AWG ring (PN 80610040737) ~5 x 18 AWG ring (PN 80610035307) ~5 x 18 AWG spade (PN 80610531404)	3M	AsrtdTrmnlKt	1	No specific source	
	UNIWRAP Cable Ties 4 in., 18 lb, white, bag of 100	BURNDY LLC	CT18075C	1	www.andymark.com	
	UNIWRAP Cable Ties 7.5 in., 50 lb, white, bag of 100	BURNDY LLC	CT50175C	1	www.andymark.com	
	Wire 06 AWG, Black, 1½ ft. length	James Monroe Wire & Cable	6B	1	No specific source	
	Wire 06 AWG, Red, 1½ ft. length	James Monroe Wire & Cable	6R	1	No specific source	







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	Wire 12 AWG, Red & Black, 10 ft. length each	James Monroe Wire & Cable	12B 12R	1	No specific source	
	Wire 18 AWG, Red & Black, 10 ft. length each	James Monroe Wire & Cable	18B 18R	1	No specific source	
Bag #2						
	Throttle Motor	DENSO/ ASMO	AE235100-0160	4	Not available	
	Window Motor	DENSO/ ASMO	5-163800-RC1	2	Not available	
Bag #3						
	Shaft Collar 3/8 in.	Ruland Manufacturing Co., Inc.	CL-6-A	1	www.ruland.com/first	
	Circuit Breaker 20A	Snap Action, Inc.	VB3-A20-F57	2	www.snapaction.net www.andymark.com	





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	Circuit Breaker 30A	Snap Action, Inc.	VB3-A30-F57	2	www.snapaction.net www.andymark.com	
	Circuit Breaker 40A	Snap Action, Inc.	MX5-A-40	6	www.snapaction.net www.andymark.com	
	Vulcan Springs Packet 1 Series H, 1 Series L, voucher info page	Vulcan Spring & Mfg. Co.	SH6G25	1	http://info.vulcanspring.com/first-robotics-competition	
	Miniature Basic Switch with lever	Honeywell Sensing and Productivity Solutions	V7-2B17D8-048	2	No specific source	
	Power cable, for radio	Epec	PwrCbIRdo	1	No specific source	
	CULUG Copper Compression Terminal 6 AWG, bag of 8	BURNDY LLC	YAZV6CTC14F X	1	www.andymark.com	

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	Natural Rubber Latex Tubing 5 ft. length	Kent Elastomer Products, Inc.	K-100	2	www.kentelastomer.com	
Bag #4						
	Grip Material 18 in. length	3M	70006701497 or 300LSE	1	No specific source	
	Electrical Tape "Super 33+," Vinyl, Black, 3/4 in x 66 ft.	3M	34-8720-3265-0	1	No specific source	
	Electrical Tape "35 Red," Vinyl, Red, 3/4 in x 66 ft.	3M	38-9019-3978-5	1	No specific source	
	Gusset, sheet metal	Rapid	2018Rapid	1	www.rapidmanufacturing.com	
	POE Injector Cable	REV Robotics	REV-11-1210	1	www.REVrobotics.com	

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	FIRST POWER UP participation pins bag of 40	Sports Awards	2018PINPACKET	1	firstinspiresawards.com	
Bag #5						
	Instant Adhesive Scotch-Weld	3M	CA8	1	No specific source	
	Plastic & Rubber Instant Adhesive Scotch-Weld	3M	PR100	1	No specific source	
	Bumpon SJ5003, Sheet of 56	3M	70070079671	1	No specific source	
	Bumpon SJ5009, Sheet of 24	3M	70070079754	1	No specific source	
	Heat Shrink Thin-Wall Tubing, 1/8 in., 4 ft. length, FP301	3M	80611600893	2	No specific source	

BLACK TOTE



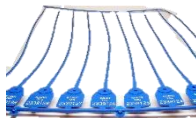

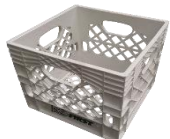

<input checked="" type="checkbox"/>	Item Description	Supplier	Part Number	Qty	Where to get more?	Photo
	Heat Shrink Thin-Wall Tubing, ¼ in., 4 ft. length, FP301	3M	80611601206	2	No specific source	
	Heat Shrink Thin-Wall Tubing, ½ in., 4 ft. length, FP301	3M	80611600968	2	No specific source	
Bag #6						
	Pillow Block Bearing - Base	Triangle Mfg	3687	3	www.triangleoshkosh.com	
	Pillow Block Bearing - Top	Triangle Mfg	3688	3	www.triangleoshkosh.com	
	Flange - Block	Triangle Mfg	4050	3	www.triangleoshkosh.com	
	Bearing Ball	Triangle Mfg	N8	6	www.triangleoshkosh.com	







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	Compliant Wheels 2 in., green	AndyMark	am-3462_35	2	www.andymark.com	
Bag #8						
	VHB Tape	3M	70006149820	1	No specific source	
	Info packet SB50 connector	Anderson Power Products	N/A	1	Not available	
	APP Sticker	Anderson Power Products	N/A	1	Not available	
	AutomationDirect.com Sticker Sheet	AutomationDirect.com	N/A	1	Not available	
	2018 Kit of Parts (Voucher) Catalog	D3	N/A	1	Not available	

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	Sticker Card	Digi-Key Electronics	N/A	1	Not available	
	Voucher Info Sheet	Digi-Key Electronics	N/A	1	Not available	
	ECIA Postcard With QR code to 3D print tool	ECIA	N/A	1	www.ecianow.org	
	GitHub Bundle Comic and stickers	GitHub	N/A	1	Not available	
	High Performance Ultrasonic Rangefinder (sensor stapled to flyer)	MaxBotix Inc.	MB1013-000	1	Not available	
	Bumper Material Sample	Robopromo.com	N/A	1	Not available	

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	Triangle information card	Triangle Mfg	N/A	1	Not available	
igus bag						
	e-chain® cable carrier 1 meter	igus Inc.	05-4-038-0	1	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
	e-chain® cable carrier mounting bracket set	igus Inc.	050-20-12	1	www.igus.com Catarina Peixoto, (401) 438-2200	
	chainflex cable 20 AWG, 2 wire	igus Inc.	CF9-05-02	1	www.igus.com Catarina Peixoto, (401) 438-2200	
	iglide® tribo-tape 12 in. strip	igus Inc.	A160T5100S30 5	1	www.igus.com Catarina Peixoto, (401) 438-2200	
	drylin® N linear guide system With 24 in. rail & 2 carriages	igus Inc.	NK02-40-2-610	1	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus

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	iglide® J plain bearing	igus Inc.	JSI-1012-08	2	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
	iglide® J plain bearing w/ flange	igus Inc.	JFI-1012-08	2	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
	iglide® M250 plain bearing	igus Inc.	MTI-10	2	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
	igubal® rod end	igus Inc.	EBRI-10R	2	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
	igubal® flange	igus Inc.	EFOI-10R	2	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
	drylin® S aluminum shafting 24 in.	igus Inc.	AWI-10	2	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus

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	iglide® MCI bearing	igus Inc.	MCI-06-01	4	www.igus.com Catarina Peixoto, (401) 438-2200	 Photo: igus
Loose						
	Dual Lock Reclosable Fastener 12 ft.	3M	SJ3540 or 70070521052	1	No specific source	
	Tags	American Casting & Manufacturing Corporation	9001-16	10	http://www.americancasting.com/info-plastic-strap-seals-9001.asp	
	Power Cube: cover Yellow	Carolina Textile Products LLC	Cubecover	1	www.andymark.com www.revrobotics.com www.vexrobotics.com	
	Power Cube: crate White, square, HDPE, 13 in. x 13 in. x 11 in.	Farm Plast LLC	Cubecrate	1	http://www.milkcratesdirect.com/square-milk-crates-4-gallon-16-quart/white-square-milk-crate (specify "for FIRST Robotics" in comments at checkout or verbally if via phone) www.andymark.com www.revrobotics.com www.vexrobotics.com	
	Main Circuit Breaker 120A	Eaton - Bussmann Division	CB185-120	1	www.eaton.com/bussmannseries	

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	Robot Bags	IPS Packaging	114200	2	No specific source	
	Robot Radio Dual Band 1.17 Gbps Access Point	Open Mesh Networks	OM5P-AN or OM5P-AC (pictured)	1	www.andymark.com	
	Robot Signal Light (i.e. Panel Signal Device)	Rockwell Automation	855PB-B12ME522	1	No specific source	
	Ethernet cable MC5e Catagory 5e, colors & lengths vary	The Siemon Company	MC5-(X)-(X)-(XX)-(XX)	1	www.siemon.com	
	Alumni Calendar	FIRST	N/A	1	Not available	
RedLine Motor Kit						
	57 Sport Gearbox 4:1, ½ in. Hex	Banebots	am-3658	1	http://www.andymark.com/57-Sport-p/am-57sport.htm	

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	RedLine Motor	AndyMark	am-3775	1	http://www.andymark.com/RedLine-Motor-p/am-3775.htm	
	Grease Pack	AndyMark	am-2768	1	http://www.andymark.com/red-tacky-grease-packet-p/am-2768.htm	
REV Robotics Kit						
	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	
	SPARK motor controller	REV Robotics	REV-11-1200	2	www.REVrobotics.com	
	PWM Cable 22 AWG, 36 in., F/M	REV Robotics	REV-11-1130	4	www.REVrobotics.com	