

Production BOM

Innovation First Inc.

Victor 883

04/18/2021

Item	Current Stock	1,250	1,000	Actual Ship	QTY	Part Number	Description	Package	Mfg.	Ref. Des.	Unit \$	Unit \$	\$42.58	\$18.29
		Order 1 Nov 23 98 Qty	Order 2 Dec 7 98 Qty											
1		10,000	8,000		8	06035C104KAT	Chip Cap. .1uF, 50V	0603	AVX	C1,3-7,9,10	\$0.01	\$0.02	\$0.16	\$0.08
2		2,500	2,000		2	06035C103KAT	Chip Cap. .01uF, 50V	0603	AVX	C11,12	\$0.01	\$0.02	\$0.04	\$0.02
3		2,500	2,000		2	06035A150JAT	Chip Cap. 30pF, 50V	0603	AVX	C13,14	\$0.01	\$0.02	\$0.04	\$0.02
4		1,250	1,000		1	TAJD106K035	Cap, Tant., 10uF, 35v	SMT, Tape & Reel	AVX	C15	\$0.1200	\$0.16	\$0.16	\$0.12
5		1,250	1,000		1	TAJD107K010R	Cap, Tant, 100uF, 10v	SMT, Tape & Reel	AVX	C18	\$0.1200	\$0.16	\$0.16	\$0.12
6		1,250	1,000		1	TAJC685K035R	Cap, Tant., 6.8uF, 35v	SMT, Tape & Reel	AVX	C19	\$0.1200	\$0.16	\$0.16	\$0.12
7		1,250	1,000		1	MV5437	LED, Red/Green, 3-lead	Rectangular, thru H	QT	DS1	\$0.16	\$0.21	\$0.21	\$0.16
8		10,000	8,000		8	BAV99LT1	Shottky Diode	SOT-23	Fairchild	D1,2,4-7,10,12	\$0.03	\$0.03	\$0.24	\$0.22
9		1,250	1,000		1	MMSZ4685T1	3.6V Zener Diode	425-04	Motorola	D3	\$0.03	\$0.03	\$0.03	\$0.03
10		1,250	1,000		1	MMBZ5251BLT1	22V Zener Diodes	SOT-23	Fairchild	D11	\$0.02	\$0.03	\$0.03	\$0.02
12		1,250	1,000		1	929850-01-03-10	Connector - PWM	Female .100 x 3pin	3M	J5	\$0.23	\$0.30	\$0.30	\$0.23
13		104	83		0.0833	NSH-36SA-S2-T	3 Pin Header	.100 Pin X 3	3M	J6	\$0.34	\$0.54	\$0.05	\$0.03
14		1,250	1,000		1	NL453232T-681J	Inductor 680 mH +/-5%	smt 2-lead	TDK	L1	\$0.32	\$0.42	\$0.42	\$0.32
15		15,000	12,000		12	IRL2203N	MOSFET, 116A, R=.007, 30v	TO220	IR	Q1-Q12	\$0.86	\$0.90	\$10.80	\$10.32
16		6,250	5,000		5	MMBTH4401LT1	NPN Transistor	SOT-23	Fairchild	Q13,15,17,19,21	\$0.03	\$0.08	\$0.38	\$0.15
17		6,250	5,000		5	MMBTH4403LT1	PNP Transistor	SOT-23	Fairchild	Q14,16,18,20,22	\$0.03	\$0.08	\$0.38	\$0.15
18	5000	0	5,000		3	CRCW0805-103JRT	Resistor, 10k, 5%, 0805	0805 smt	Many	R1,28,32	\$0.0032	\$0.01	\$0.02	\$0.01
19	5000	10,000	10,000		10	CRCW0805-102JRT	Resistor, 1k, 5%, 0805	0805 smt	Many	R2-5,12,14-16,24,33	\$0.0045	\$0.01	\$0.06	\$0.05
20	5000	15,000	10,000		12	CRCW0805-100JRT	Resistor, 10, 5%, 0805	0805 smt	Many	R6-11,18-23	\$0.0045	\$0.01	\$0.07	\$0.05
21	5000	0	0		1	CRCW1206-151JRT	Resistor, 150, 5%, 1206	1206 smt	Many	R27	\$0.0045	\$0.01	\$0.01	\$0.00
22		1,250	1,000		1	CRCW0805-104JRT	Resistor, 100k, 5%, 0805	0805 smt	Many	R29	\$0.0160	\$0.01	\$0.01	\$0.02
23	5000	0	0		1	CRCW1206-271JRT	Resistor, 270, 5%, 1206	1206 smt	Many	R30	\$0.0045	\$0.01	\$0.01	\$0.00
24	5000	0	0		2	CRCW0805-512JRT	Resistor, 5.1k, 5%, 0805	0805 smt	Many	R31,35	\$0.0045	\$0.01	\$0.01	\$0.01
25		1,250	1,000		1	CRCW0805-333JRT	Resistor, 33k, 5%, 0805	0805 smt	Many	R36	\$0.0045	\$0.01	\$0.01	\$0.00
26		1,250	1,000		1	PTS645SL43	Switch, Tactile	4 - pin, thru H, .25"sq	C&K	SW1	\$0.06	\$0.12	\$0.12	\$0.06
28		1,250	1,000		1	PIC16F84-10/SO	8-Bit Microcontroller	18 Lead SO (300mil)	Microchip	U1	\$2.50	\$2.75	\$2.75	\$2.50
29		1,250	1,000		1	CNY17F-1	Opto - PWM	8-Pin DIP	QT	U3	\$0.10	\$0.19	\$0.19	\$0.10
30		2,500	2,000		2	MC33172D	Op Amp 2-channel	SO-8	Motorola	U18,19	\$0.39	\$0.42	\$0.84	\$0.78
31		1,250	1,000		1	LM2931AD-5.0	Low Dropout Regulator, 5v	8 pin SOIC	Motorola	VR1	\$0.28	\$0.37	\$0.37	\$0.28
32		1,250	1,000		1	AS-10.000-S	Crystal	2-Pin Thru hole	RLT	Y1	\$0.29	\$0.48	\$0.48	\$0.29
33		1,250	1,000		1	KDE1204PKSX-8	Fan	40mmx40m x10mm	Sunon	B1	\$2.00	\$2.75	\$2.75	\$2.00
34		1,250	1,000		1	71363-102	Jumper		BERG		\$0.04	\$0.06	\$0.06	\$0.04

\$8.1277 \$10.34 \$21.29

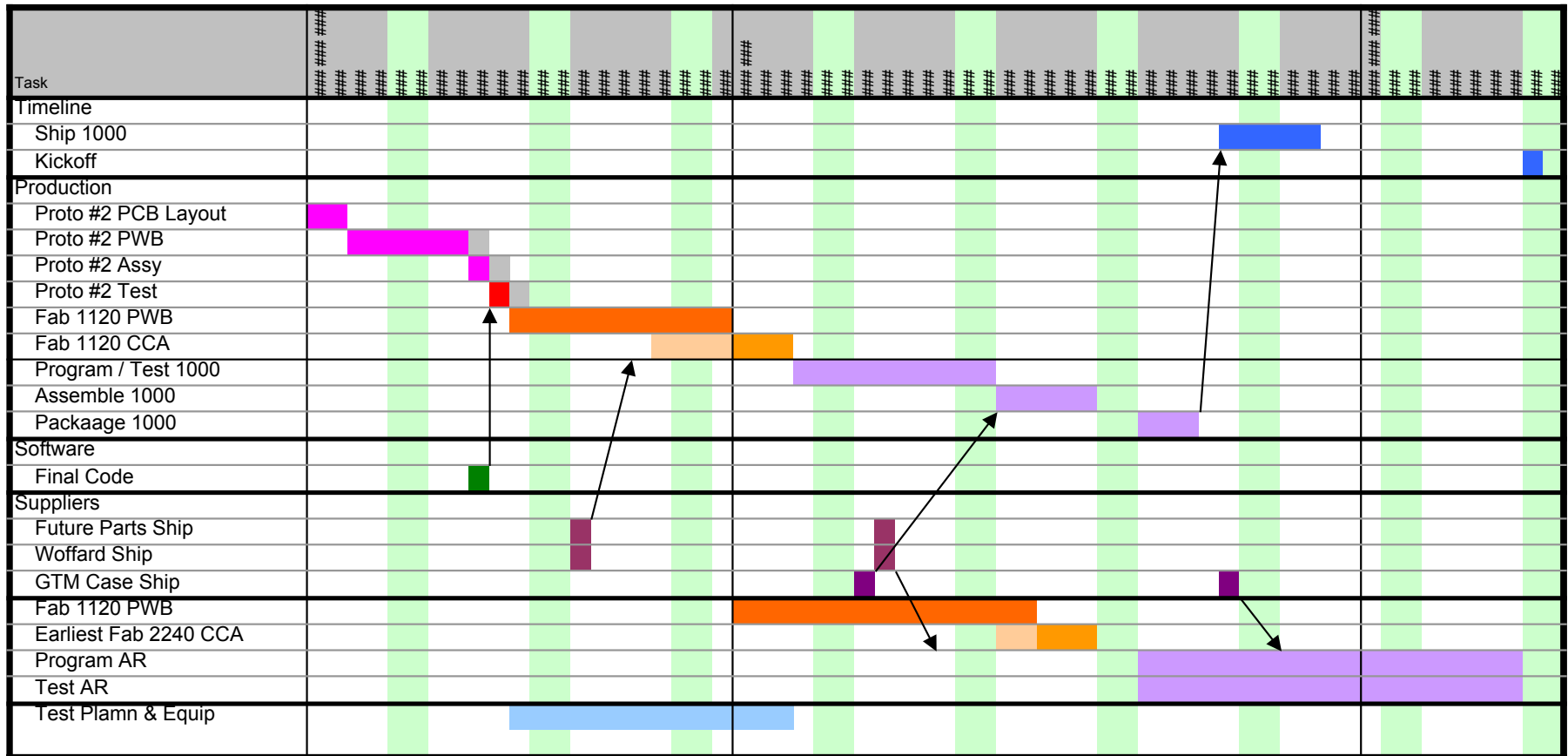
Order 1 to be shipped on Nov 23, 1998

Order 2 to be shipped on Dec 7, 1998

Order 3 is estimated to be March 1, 1999

1	Tony	PIC Programmers Try to change code on 1200 PICs
1	Tony	Stockholders buy-out, buy-sell agreement.
1	Tony	Quicken - Update company books
1	Tony	SPEC Tronics - deliver remaining parts +
1	Tony	Future issues
1	Tony	Decals - check status
1	Dave	Get Internet address + site host
1	Dave	LEDs check for stock
1	Dave	Credit card orders on internet, and at regionals
1	Dave	Reserve Web Name with Internic
1	Bob	Fans - Decide on vendor
1	Bob	Tom Holder - call about pick and place, solder mask
1	Bob	GTM - call with go ahead, finish on bottom?
1	Bob	Flex Circuits call about new route file, new L1, L2, L1 solder mask
1	Bob	SPEC tronics needs the solder mask files
1	Bob	Dec. 2 Advertisement to FIRST
1	Bob	Datasheet to FIRST for rule book. Due Dec 14
1	10-Dec	Design Logo and Bussiness Cards
1	10-Dec	Instructions on IF business card
1	10-Dec	Bussiness Cards by Kick-off
1		Instruction Sheet for rule book. Due Dec 14
2	Bob	Screws - Purchase quantity for 3500
2	Tony	Call Small Parts about our company, recommended purchase, we have not done credit cards yet
2		Payoff Protec, Tony, Paul Adams
2		How do we sell at kickoff?
2		Test plan.
2		Order boxes for shipping to FIRST.
2		Order boxes for shipping to teams.
2		Innovation First shirts and/or name tags (for us at kick-off and competitions).
2		Demo unit to Dean and Woody @ FIRST.
3	Dave	Backup hard disks
3	Dave	Heater for Hanger
3		Sales tax
3		Verify Protec Federal Express number is still active. Change name to 'Innovation FIRST'.

		Date	Terms	Debit	Credit	Balance
Current to Date				(10,000)		(10,000)
FIRST Pmt					16,250	6,250
PWB NRE				(1,250)		5,000
PWB Fab	3500	30-Dec-98	Net30	(7,560)		(2,560)
CCA Fab	1120	03-Jan-99	Net30	(5,578)		(8,138)
Future	1050	23-Dec-98	Net30	(19,950)		(28,088)
Woffard	3500	23-Dec-98	Net30	(1,652)		(29,740)
GTM Plastics		07-Dec-98	POD	(9,500)		(39,240)
GTM Plastics	1050	07-Dec-98	POD	(1,019)		(40,258)
Labels	3500	08-Dec-98	POD	(434)		(40,692)
Grisco	3500	08-Dec-98	POD	(700)		(41,392)
Prog & Test	1000	13-Dec-98	POD	(1,000)		(42,392)
Assembly	1000	18-Dec-98	POD	(1,000)		(43,392)
Pack	500	18-Dec-98	POD	(115)		(43,507)
FIRST Pmt					48,750	5,243
CCA Fab	1120	15-Jan-99	Net30	(5,578)		(335)
Future	1190	08-Jan-99	Net30	(22,610)		(22,945)
GTM Plastics	1190	25-Dec-98	POD	(1,154)		(24,099)
Prog & Test	1190	01-Jan-99	POD	(1,190)		(25,289)
Assembly	1190	01-Jan-99	POD	(1,190)		(26,479)
FIRST Pmt					-	(26,479)
Team Sales	900				89,100	62,621
Net Price for 1260	26					
Total	710	01-Apr-99		(18,460)		44,161
FIRST Q299	1000	15-Apr-99			55,000	99,161



# Master Schedule

**Innovation First Inc.**  
Victor 883  
04/18/2021

Task	Week 1							Week 2							Week 3							Week 4							Week 5							Week 6						
	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Place Order: Sm. Parts & Add. Hardware																																										
Brainstorm on all possible Robots/Tactics																																										
Proto Half Scale Robots																																										
Field Construction																																										
Decide on Robot Concept																																										
Drive Train																																										
Concept Design																																										
Fab Crude Proto to test power/speed																																										
Fab Final Drive																																										
Chassis																																										
Concept Design																																										
CAD modeling of all systems																																										
Fab Chassis																																										
Integrate Drive/Chassis																																										
Scoring System																																										
Concept Design																																										
Fab prototype																																										
Fab Final System																																										
Other System 1																																										
Concept Design																																										
Fab prototype																																										
Fab Final System																																										
Other System 2																																										
Concept Design																																										
Fab prototype																																										
Fab Final System																																										
Integrate proto systems as needed																																										
Integrate Final Systems																																										
Test & Drive & Upgrade & Test & Test																																										
Prepare shipping crates																																										
Ship Robot																																										