







## **Bill of Materials**

Project: Variant:

ToyRaceCar\_V2.PrjPcb None

 
 Creation Date:
 06-03-2013

 Print Date:
 06-03-2013

 Drawn By:
 Caalb
06-03-2013 09:57

Address: Mærsk Inst - SDU ROBOLAB J28B Niels Bohrs Allé 1 5230 Odense M

Denmark



Value	Comment	Description	Designator	Footprint	PN Digikey	PN Farnell	PN RS	Lager	Quantity
	600R@100Mhz		L1	0805L_H		1515663	724-1545	No	
Z		90mOhm, 330R@100Mhz							
00uF	16V	Tantal, SMD,	C10, C12	TANTAL SIZE			684-4477	No	
ooui	100	CaseD	010, 012	D			0011111	1.0	
3	1%		R3	0805R_H				Yes	
		0805, 0.1W							
6Mhz	Crystal		X1	Crystal SMD			478-9505	No	
0.5	50) (	Crystal	00.00	00050 11			044.0400	N	
2pF	50V	Capacitor, SMD, 0805	C3, C6	0805C_H			211-3120	No	
0uF	16V	Tantal, SMD,	C1, C7	Tantal size B				Yes	
· ·		CaseB	J., J.	7 di itali 6126 B				1.00	
10K	1%	Resistor, SMD,	R1, R4	0805R_H				Yes	
1K		0805, 0.1W		_					
	1%		R2, R5, R6, R7, R8, R9	0805R_H				Yes	
	=0.4	0805, 0.1W	00.01.05.00.011.010	20050 11					
	50V		C2, C4, C5, C8, C9, C11, C13	0805C_H				Yes	
	1x10 Header	0805, X7R Header Male 1x10	I2 I3 IA	HDR1X10_CE		-		No	
	1 A TO FIE AUE	i icauci iviale 1X10	02, 00, 04	S S			1	INO	
	1x4 Header	Header Male 1x4	J5	HDR1X4 CES			1	No	
	1x6 Header		J1	HDR1X6_CES				No	
	2-Pin Pico-		P2, P3	Molex Pico-		1	670-6492	No	
	SPOX	Horisontal, Pico-		Spox			1		
	Horisontal	SPOX serie		Horisontal 2					
	ATMEGA32A-	8-Bit AVR	U2	TQFP44	ATMEGA32A-		696-3477	No	
	AU	Microcontroller			AU-ND				
		with 32K Bytes of							
		In-System Programmable							
		Flash Memory							
	B220A		D1, D2	DO-214AC	B220A-FDICT-	1858604	700-9956	No	
	BLEON	20V 2A SMA	51, 52	B0 21-1/10	ND	1000001	1.00.000	1.0	
	DBLS203G		DB1	DBLS20X		1299298	652-6356	No	
		Bridge Rectifier,							
		2A, 200V							
	Green		D3	LED0805G_H				Yes	
		HEXFET Power	Q1	SOT23	IRLML0030TR	1791366		No	
	BF	MOSFET, 30V,			PBFCT-ND				
	ISPAVRU1	5.3A ISPAVRU1	P1	HDR2X5 FLAD			-	Yes	
	ISI AVIOT	conncetor		TIDINZXX T LAD				1 63	
	LM1117IMP-5.0		U3	SOT-223			535-8641	No	
		Dropout Linear							
		Regulator							
	LP2985AIM5-3.3		U4	SOT23-5		1053672	652-0033	No	
		mA Low-Noise							
		Ultra Low-Dropout							
		Regulator in SOT-							
		23 and micro SMD Packages							
	MCP809T-		U5	sot23	+	1084257	+	No	
	315I/TT	Supervisory		30(20		1007201	1	1,40	
		Circuit with Push-				1			
		Pull Output, 3-Pin				1			
		SOT-23, Industrial					1		
		Temperature,					1		
		Tape and Reel				1			
	Dod	LED OND D-4	D4	I EDOOGED !!	1		1	Vac	
	Red RN42	LED,SMD,Red Class 2	D4 U1	LED0805R_H RN42	<del>                                     </del>	<del>                                     </del>	+	Yes No	_
	1 X1 N+1 Z	Bluetooth®		riv <del>4</del> Z				INO	
		Module							
	SMAJ15A/CA		D5	do-214ac	<b>+</b>		687-3154	No	
		15V	<del></del>	20 21140			33. 3101	"	
	SMAJ5.0A/CA		D6	do-214ac			767-3759	No	
		5.0V					1		ĺ
	i					1		Total:	1