

BILL OF MATERIALS for DRV2605EVM-CT_RevA-BOM

DESIGN LEAD:

Brian Burk

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SEMICONDUCTORS

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
						TEXAS	
1	DRV2605YZF	1	U1	DRV2605YZF	HAPTIC DRIVER AUTO DETECT FOR LRA AND ERM WCSP9-YZF ROHS	INSTRUMEN TS	TEXAS INSTRUMENTS
2	TXS0102DCTR	1	U4	296-21978-1	2-BIT BIDIR LEVEL TRANSLATOR SSOP8-DCT ROHS	DIGI-KEY	TEXAS INSTRUMENTS
3	MSP430G2553IRHB32T	1	U2	595- P430G2553IRHB32T	MIXED SIGNAL MICRO 16KB FLASH 512B RAM QFN32-RHB ROHS	MOUSER	TEXAS INSTRUMENTS
4	TPS73633MDBVREP	1	U3	296-21283-1	VOLT REG 3.3V 400MA LDO CAP FREE NMOS SOT23-DBV5 ROHS	DIGI-KEY	TEXAS INSTRUMENTS
5	TS5A12301EYFPR	1	U5	296-23757-1-ND	IEC LEVEL 4 ESD-PROTECTED 0.75-OHM ANALOG SWITCH WCSP6-YFP ROHS	DIGI-KEY	TEXAS INSTRUMENTS
6	LTST-C190KGKT	2	5V,ACTIVE	160-1435-1-ND	LED, GREEN, 2.0V, SMD0603, ROHS	DIGI-KEY	LITE-ON INC.
7	LNJ037X8ARA	5	M0,M1,M2,M3,M4	LNJ037X8ARACT-ND	LED, WHITE 2.9V SMD0805 ROHS	DIGI-KEY	PANASONIC
8	SML-LXT0805SRW-TR	1	B1	67-1555-1	LED, RED 2.0V SMD0805 ROHS	DIGI-KEY	LUMEX OPTO
9	SML-LXT0805GW-TR	1	B2	67-1553-1	LED, GREEN 2.0V SMD0805 ROHS	DIGI-KEY	LUMEX OPTO
10	SML-LXT0805YW-TR	1	B3	67-1554-1	LED, YELLOW 2.0V SMD0805 ROHS	DIGI-KEY	LUMEX OPTO
11	LTST-C171TBKT	1	B4	160-1645-1-ND	LED, BLUE 3.3V SMD0805 ROHS	DIGI-KEY	LITE-ON INC.

CAPACITORS

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
12	GRM155R71C104KA88D	3	C1,C2,C12	490-3261-1-ND	CAP SMD0402 CERM 0.1UF 16V X7R 10% ROHS	DIGI-KEY	MURATA
13	C1005X5R0J104K	3	C8,C9,C10	445-1266-1	CAP SMD0402 CERM 0.1UF 6.3V 10% X5R ROHS	DIGI-KEY	TDK CORP
14	0805YD106KAT2A	1	C6	478-5165-1	CAP SMD0805 CERM 10UF 16V X5R 10% ROHS	DIGI-KEY	AVX
15	GRM155R60J105KE19D	1	C7	490-1320-1	CAP SMD0402 CERM 1.0UF 6.3V X5R 10% ROHS	DIGI-KEY	MURATA
16	C1005X5R0J104K	1	C11	445-1266-1	CAP SMD0402 CERM 0.1UF 6.3V 10% X5R ROHS	DIGI-KEY	TDK CORP
17	C0402C471K5RACTU	2	C14,C15	399-1025-1	CAP SMD0402 CERM 470PF 50V 10% X7R ROHS	DIGI-KEY	KEMET
18	TCTAL0J107M8R	1	C5	511-1498-1-ND	CAP TANT1206 100UF 6.3V 20% TCT SERIES ROHS	DIGI-KEY	ROHM

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RESISTORS

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
19	ERJ-2RKF9761X	1	R7	P9.76KLCT-ND	RESISTOR SMD0402 THICK FILM 9.76K OHMS 1/10W 1% ROHS	DIGI-KEY	PANASONIC
20	RMCF0402ZT0R00	5	R8,R32,R33,R34,R36	RMCF0402ZT0R00CT	ZERO OHM JUMPER SMT 0402 0 OHM 1/16W,5% ROHS	DIGI-KEY	STACKPOLE ELECTRONICS
21	RC0402FR-07511RL	5	R9,R11,R12,R13,R14	311-511LRCT-ND	RESISTOR SMD0402 THICK FILM 511 OHMS 1% 1/16W ROHS	DIGI-KEY	YAGEO
22	ERJ-2GEJ152	1	R26		RESISTOR,SMT,0402,THICK FILM,5%,1/16W,1.5K		Panasonic
23	RMCF0603ZT0R00	1	R5	RMCF0603ZT0R00CT- ND	RESISTOR SMD0603 ZERO OHMS 1/10W ROHS	DIGI-KEY	STACKPOLE ELECTRONICS
24	ERJ-2RKF2490X	5	R15,R16,R17,R18,R19	P249LTR-ND	RESISTOR,SMT,0402,249 OHM,1%,1/16W ZERO OHM JUMPER SMT 0402 0 OHM 1/16W,5%	DIGI-KEY	Panasonic
25	CRCW04020000Z0ED	2	R40,R43	541-0.0JCT	ROHS RESISTOR SMD0402 THICK FILM 100K OHMS 1/16W	DIGI-KEY	VISHAY
26	ERJ-2GEJ104	2	R50,R51	P100KJCT	5% ROHS	DIGI-KEY	PANASONIC

FERRITE BEADS

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
27	MPZ2012S601A	2	FB1,FB2	445-2206-1	FERRITE BEAD SMD0805 600 Ohms 2A ROHS	DIGI-KEY	TDK

HEADERS, JACKS, AND SHUNTS

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
28	LPPB061NGCN-RC	1	SBW	S9010E-06	HEADER THRU FEMALE 1X6-RA 50LS GOLD ROHS	DIGI-KEY	SULLINS
29	PBC03SAAN	3	DRV,I2C,MSP	S1011E-03-ND	HEADER THRU MALE 3 PIN 100LS GOLD ROHS	DIGI-KEY	SULLINS
30	PBC02SAAN	1	JP2	S1011E-02	HEADER THRU MALE 2 PIN 100LS GOLD ROHS	DIGI-KEY	SULLINS
31	PBC02SAAN	3	JP1,JP3,JP4		HEADER THRU MALE 2 PIN 100LS GOLD ROHS	DIGI-KEY	SULLINS
32	UX60-MB-5ST	1	USB	H2959CT	JACK USB MINIB SMT-RA 5PIN ROHS	DIGI-KEY	HIROSE
33	SJ-3523-SMT	1	Audio	CP-3523SJCT-ND	JACK AUDIO-STEREO MINI(3.5MM ,3-COND SMT-RA ROHS	DIGI-KEY	CUI STACK
34	SPC02SYAN	6	MSP (2-3), DRV (2-3), JP1, JP2, JP3, JP4	S9001-ND	SHUNT BLACK AU FLASH 0.100LS CLOSED TOP ROHS	DIGI-KEY	SULLINS
35	1725656	2	OUT,VBAT	277-1273	TERMINAL BLOCK MPT COMBICON 2PIN 6A/125V GREEN 100LS ROHS	DIGI-KEY	PHOENIX CONTACT

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TESTPOINTS AND SWITCHES

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
36	5011	2	GND,TP1 ((Solder so that color ring is secured)	5011K	PC TESTPOINT BLACK 063 HOLE ROHS	DIGI-KEY	KEYSTONE ELECTRONICS
37	5003	4	PWM,ENIN,OUT+,OUT- ((Solder so that color ring is secured)	5003K	PC TESTPOINT, ORANGE, ROHS	DIGI-KEY	KEYSTONE ELECTRONICS

ITEM	MANU PARTNUM	QTY	REF DESIGNATORS	VENDOR PARTNUM	DESCRIPTION	VENDOR	MANUFACTURER
38	NRS-2574	1	AVM1	NRS-2574	ACUTATOR VIBRATION MOTOR 1,3V 9000 RPM ROHS	SANYO	SANYO
39	ELV1036A	1	-	-	ACTUATOR - LINEAR VIBRATOR, 2VRMS	AAC	AAC
40	-	1	-	-	Metal Block (Custom Block, Heavy Metal, See metal block spec)	Heavy Metal	Heavy Metal
41	3-5-468MP	1	-	3M9724-ND	TAPE TRANSFER ADHESIVE 3" X 5YD	DIGI-KEY	3M
42	2-5-4466W	1	-	3M9962-ND	TAPE POLY FOAM 2" x 5YD	DIGI-KEY	3M

COMPONENTS NOT ASSEMBLED

43	TestPoint_SMD-Square_2.0mm	2	LRA_OUT+,LRA_OUT-R20,R21,R22,R23,R24,		TESTPOINT SMD SQUARE 2.0mm		
44	R0402_DNP	9	R25,R30,R31,R35		R0402_DNP		
45	R0603_DNP	1	R4	RMCF0603ZT0R00CT-ND	R0603_DNP	DIGI-KEY	STACKPOLE ELECTRONICS
46	R0402_DNP	1	R41	P4.99KLCT-ND	R0402_DNP	DIGI-KEY	PANASONIC
47	R0402_DNP	1	R42	541-0.0JCT	R0402_DNP	DIGI-KEY	VISHAY

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