

Assembly Bill of Materials

Texas Instrument

Project ID:	PROC010		
Board Name	AWR1443BOOST		
Schematic Rev:	Rev A		
Build Quantity:	1		
Generated:	17/2/2017		

ITEM NO	NOT INSTALLED (DNI)	REFERENCE DESIGNATOR	PART NUMBER	QUANTITY
1		C1,C13,C14,C33,C36	GCM188R71C105KA64	5
2		C3,C5,C7,C10,C12,C39,C47,C48,C51,C53,C56,C57,C68	GCM155R71C224KE02	13
3		C4,C6,C11	GCM155R71C104KA55	3
4		C9,C15,C24	GJM1555C1H4R7BB01	3
5		C16,C20,C42,C43,C49,C64,C67,C71,C75,C76,C79,C84,C85	C0402C104K8RAC	13
6		C17,C19,C23,C32,C34,C35,C37,C38,C40,C45,C52,C58,C59,C60,C65,C72,C73	GCM21BR71A106KE22	17
7		C18,C22	GCM188R71C474KA55	2
8		C2,C21	CGA2B3X7R1H104K050BB	2
9		C25,C30,C31	CGA5L1X7R0J226M160AC	3

10		C26,C27	T491B476K010AT	2
11		C28,C29,C44,C46	CGA2B3X8R1H103K05 0BB	4
12		C41,C61,C62	C1005X7S0J105M050B C	3
13		C50	C1005X7R1E103K	1
14		C54,C55,C81,C82	GCM31CR71A226KE02	4
15		C63,C70	GRM1555C1H8R0DA0 1	2
16		C66,C69	C0402C103K4RAC	2
17		C74,C77,C80	C1005X7S1A225K050B C	3
18		C78	04025A150FAT2A	1
19		C86,C87,C88,C89	CGA2B2NP01H391J050	4
20		D1,D2	SMS3923-040LF	2
21		D3	P6SMB6.8AT3G	1
22		DS1,DS2	TLMS1000	2
23		DS3,DS4	TLMY1000	2
24		F1	0440005	1

25		FB1	BLM21PG300SH1	1
26		J1	QSH-030-01-L-D-A	1
27		J2	128-0711-201	1
28		J3	OSTTE030161	1
29		J4,J7	SSM-103-S-SV	2
30		J5,J6	SSM-110-S-DV	2
31		J8	105017-0001	1
32		L1,L2,L3,L4	DFE252012P-R47M	4
33		P1	22-28-4033	1
34		P2,P3,P4,P5	2211S-02G	4
35		P6	PJ-002AH	1

36		Q1,Q2	BSS123	2
37		R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20,R22,R23,R24,R25,R27,R28,R29,R30,R31,R32,R35,R36,R48,R49,R50,R51,R52,R53,R54,R55,R56,R57,R58,R59,R60,R61,R62,R63,R64,R65,R66,R67,R69,R	CRCW02010000Z0ED	64
38		R100,R103,R116,R117,R160	ERJ-2GEJ511	5
39		R93,R101,R112	CRCW0402750RFK	3
40		R37,R78,R107,R119,R128,R129,R141,R152,R159,R183,R187	ERJ-2GE0R00	11
41		R14,R110,R138,R158,R172,R173	CRCW0402100KFK	6
42		R13,R15,R16,R41,R43,R46,R73,R74,R81,R84,R86,R89,R91,R98,R113,R145,R148,R155,R170,R171,R179,R184	CRCW040210K0FK	22
43		R88,R96,R114	CRCW040282K5FK	3
44		R118	CRCW20100000Z0	1
45		R121,R132	CRCW04022K80FK	2
46		R122,R131,R139	CRCW04021K96FK	3

47		R123,R124,R126,R127, R140	CRCW04021K00FK	5
48		R125	CRCW04024K87FK	1
49		R133,R161,R175,R176	MCT06030Z0000ZP500	4
50		R134	CRCW040249R9FK	1
51		R142,R150	ERJ-2RKF4991X	2
52		R143,R147	CRCW04024K99FK	2
53		R149	ERJ-2GEJ102	1
54		R151,R153	CRCW0402330KFK	2
55		R68,R77,R79,R80,R154	ERJ-2GEJ101	5
56		R156	CRCW040249K9FK	1
57		R157,R174	CRCW040230K0FK	2
58		R190,R191,R192,R193	CRCW04023R83FK	4

59		R38	CRCW040247K5FK	1
60		R39,R40,R42,R44,R45	CRCW020133R2FN	5
61		R82	CRCW040212K7FK	1
62		R85,R87	CRCW040261R9FK	2
63		R90	ERJ-2GEJ361	1
64		R92,R95,R99	CRCW04027K87FK	3
65		SW1,SW2	KMR243GLFG	2
66		U1	S25FL116K0XNFV010	1
67		U10	TPD4E004DRY	1
68		U11,U12	TMP112AIDRL	2
69		U2	XI1443QGABL	1
70		U3	SN65HVDA540QD	1

71		U4	TPS7A8101QDRBRQ1	1
72		U5	TPS7A8801RTJ	1
73		U6	TM4C1294NCPDTT3	1
74		U7	LM4040C25QDBZ	1
75		U8	LP87524BRNFRQ1	1
76		U9	TPS79601DRB	1
77		Y1	CX3225SA40000D0PT WCC	1
78		Y2	NX3225SA-16.000M- STD-CRS-2	1
79	TRUE	C8	C0603X7S1A104K030B C	0
80	TRUE	C83	GCM21BR71A106KE22	0
81	TRUE	L5,L6	DFE252012P-R47M	0
82	TRUE	R3,R5,R8,R9,R21,R26,R 33,R102,R108,R109,R13 5,R164,R165,R166,R167 ,R168,R169	CRCW02010000Z0ED	0

83	TRUE	R11,R12,R97,R120,R177	ERJ-2GE0R00	0
84	TRUE	R34,R115	CRCW20100000Z0	0
85	TRUE	R130,R137,R189	MCT06030Z0000ZP500	0
86	TRUE	R47,R83,R178	CRCW040210K0FK	0
87	TRUE	TP1,TP2	040PTH	0
88	TRUE	FB2	BLM21PG300SH1	0
TOTAL				295

MANUFACTURER	DESCRIPTION	VALUE	TOLERANCE	TEMP COEFFICIENT
MURATA	CAP, CERAMIC, 1UF, 10%, 16V, X7R, SMT0603	1UF	0.1	125
MURATA	CAP, CERAMIC, 0.22UF, 10%, 16V, X7R, SMT0402	0.22UF	0.1	125
MURATA	CAP, CERAMIC, 0.1UF, 10%, 16V, X7R, SMT0402	0.1UF	0.1	125
MURATA	CAP, CERAMIC, 4.7PF, +/-0.1PF, 50V, C0G, SMT0402	4.7PF	+/-0.1PF	125
KEMET	CAP, CERAMIC, 0.1UF, 10%, 10V, X7R, SMT0402	0.1UF	0.1	125
MURATA	CAP, CERAMIC, 10UF, 10%, 10V, X7R, SMT0805	10UF	0.1	125
MURATA	CAP, CERAMIC, 0.47UF, 10%, 16V, X7R, SMT0603	0.47UF	0.1	125
TDK	CAP, CERAMIC, 0.1UF, 10%, 50V, X7R, SMT0402	0.1UF	0.1	125
TDK	CAP, CERAMIC, 22UF, 20%, 6.3V, X7R, SMT1206	22UF	0.2	125

KEMET	CAP, TANTALUM, 47UF, 10%, 10V, 1 OHM, SMT3528-21	47UF	0.1	125
TDK	CAP, CERAMIC, 0.01UF, 10%, 50V, X8R, SMT0402	0.01UF	0.1	150
TDK	CAP, CERAMIC, 1UF, 20%, 6.3V, X7S, SMT0402	1UF	0.2	125
TDK	CAPACITOR, CERAMIC, 10NF, 10%, 25V, SMT0402	10NF	0.1	125
MURATA	CAP, CERAMIC, 22UF, 10%, 10V, X7R, SMT1206	22UF	0.1	125
MURATA	CAPACITOR, CERAMIC, 8PF, +/- 0.5PF, 50V, C0G, SMT0402	8PF	+/-0.5PF	125
KEMET	CAP, CERAMIC, 0.01UF, 10%, 16V, X7R, SMT0402	0.01UF	0.1	125
TDK	CAP, CERAMIC, 2.2UF, 10%, 10V, X7S, SMT0402	2.2UF	0.1	125
AVX	CAP, CERAMIC, 15PF, 1%, 50V, C0G, SMT0402	15PF	0.01	125
TDK	CAP, CERAMIC, 390P	390PF	5%	150
SKYWORKS	DIODE, SURFACE MOUNT GENERAL PURPOSE SCHOTTKY DIODE, 20V, 0.075W, SOD- 882, 2-PIN		TBD	150
ON SEMICONDUCTO R	DIODE, TVS ZENER, 5.8V, DO-214AA		TBD	150
VISHAY	LED, LOW CURRENT, 2mA, 1.8V, RED, SMT0603			100
VISHAY	LED, LOW CURRENT, 2MA, 1.8V, YELLOW, SMT0603			100
LITTELFUSE	FUSE, CERAMIC, 32V			150

MURATA	FERRITE BEAD, CHIP, 30 OHM AT 100MHZ, 0%, 4A, SMT0805	30 OHM	0	125
SAMTEC	CONNECTOR, HIGH SPEED GROUND PLANE SOCKET, DOUBLE ROW, VERTICAL, 60-PIN			125
CINCH CONNECTIVITY SOLUTIONS	CONNECTOR, UMC PCB JACK RECEPTACLE, 50 OHM IMPEDANCE, STRAIGHT, 3-PIN			90
ONSHORE TECHNOLOGY	TERMINAL BLOCK, SIDE WIRE ENTRY, 3.50 MM PITCH, 3-PIN			115
SAMTEC	CONNECTOR, SMT TIGER CLAW, VERTICAL, FEMALE, SINGLE ROW, 3-PIN			125
SAMTEC	CONNECTOR, SMT SOCKET STRIP, VERTICAL, FEMALE, DOUBLE ROW, 20-PIN			105
MOLEX	CONNECTOR, MICRO-USB BOTTOM MOUNT RECEPTACLE, B TYPE, RIGHT ANGLE, 5-PIN			85
TOKO	INDUCTOR, METAL ALLOY, 0.47UH, 20%, 5.7A, SMT1008	0.47UH	0.2	125
MOLEX	CONNECTOR, KK 100 BREAKAWAY HEADER, MALE, VERTICAL, 3-PIN			75
MULTICOMP	CONNECTOR, SINGLE ROW HEADER, VERTICAL, MALE, 2-PIN			105
CUI	CONNECTOR, DC POWER JACK, MALE, 3-PIN			85

FAIRCHILD SEMICONDUCTOR	TRANSISTOR, N- CHANNEL ENHANCEMENT MODE FET, 20V, SOT-23			150
VISHAY	RESISTOR, THICK FILM, 0 OHM, JUMPER, 0.05W, SMT0201	0	JUMPER	155
PANASONIC	RESISTOR, THICK FILM, 510 OHM, 5%, 0.1W, 473.15PPM/K, SMT0402	510	0.05	155
VISHAY	RESISTOR, THICK FILM, 750 OHM, 1%, 0.063W, 100PPM/K, SMT0402	750	0.01	155
PANASONIC	RESISTOR, THICK FILM, 0 OHM, JUMPER, 0.1W, 173.15 TO 873.15PPM/K, SMT0402	0	JUMPER	155
VISHAY	RESISTOR, THICK FILM, 100K OHM, 1%, 0.063W, 100PPM/K, SMT0402	100K	0.01	155
VISHAY	RESISTOR, THICK FILM, 10K OHM, 1%, 0.063W, 100PPM/K, SMT0402	10K	0.01	155
VISHAY	RESISTOR, THICK FILM, 82.5K OHM, 1%, 0.063W, 100PPM/K, SMT0402	82.5K	0.01	155
VISHAY	RESISTOR, THICK FILM, 0.00 OHM, JUMPER, 0.75W, SMT2010	0	0.01	155
VISHAY	RESISTOR, THICK FILM, 2.8K OHM, 1%, 0.063W, 100PPM/K, SMT0402	2.8K	0.01	155
VISHAY	RESISTOR, THICK FILM, 1.96K OHM, 1%, 0.063W, 100PPM/K, SMT0402	1.96K	0.01	155

VISHAY	RESISTOR, THICK FILM, 1K OHM, 1%, 0.063W, 100PPM/K, SMT0402	1K	0.01	155
VISHAY	RESISTOR, THICK FILM, 4.87K OHM, 1%, 0.063W, 100PPM/K, SMT0402	4.87K	0.01	155
VISHAY	RESISTOR, THIN FILM, 0 OHM, JUMPER, 0.125W, SMT0603	0	JUMPER	155
VISHAY	RESISTOR, THICK FILM, 49.9 OHM, 1%, 0.063W, 100PPM/K, SMT0402	49.9	0.01	155
PANASONIC	RESISTOR, THICK FILM, 4.99K OHM, 1%, 0.1W, 373.15PPM/K, SMT0402	4.99K	0.01	155
VISHAY	RESISTOR, THICK FILM, 4.99K OHM, 1%, 0.063W, 100PPM/K, SMT0402	4.99K	0.01	155
PANASONIC	RESISTOR, THICK FILM, 1K OHM, 5%, 0.1W, 473.15PPM/K, SMT0402	1K	0.05	155
VISHAY	RESISTOR, THICK FILM, 330K OHM, 1%, 0.063W, 100PPM/K, SMT0402	330K	0.01	155
PANASONIC	RESISTOR, THICK FILM, 100 OHM, 5%, 0.1W, 473.15PPM/K, SMT0402	100	0.05	155
VISHAY	RESISTOR, THICK FILM, 49.9K OHM, 1%, 0.063W, 100PPM/K, SMT0402	49.9K	0.01	155
VISHAY	RESISTOR, THICK FILM, 30K OHM, 1%, 0.063W, 100PPM/K, SMT0402	30K	0.01	155
VISHAY	RESISTOR, THICK FILM	3.83	1%	155

VISHAY	RESISTOR, THICK FILM, 47.5K OHM, 1%, 0.063W, 100PPM/K, SMT0402	47.5K	0.01	155
VISHAY	RESISTOR, THICK FILM, 33.2 OHM, 1%, 0.05W, 200PPM/K, SMT0201	33.200000000000003	0.01	155
VISHAY	RESISTOR, THICK FILM, 12.7K OHM, 1%, 0.063W, 100PPM/K, SMT0402	12.7K	0.01	155
VISHAY	RESISTOR, THICK FILM, 61.9 OHM, 1%, 0.063W, 100PPM/K, SMT0402	61.9	0.01	155
PANASONIC	RESISTOR, THICK FILM, 360 OHM, 5%, 0.1W, 200PPM/C, SMT0402	360	0.05	155
VISHAY	RESISTOR, THICK FILM, 7.87K OHM, 1%, 0.063W, 100PPM/K, SMT0402	7.87K	0.01	155
C&K COMPONENTS	SWITCH, TACTILE, SPST-NO, SMT, 4-PIN			125
SPANSION	IC, 16-MBIT CMOS 3.0V FLASH MEMORY WITH 108-MHZ SPI MULTI I/O BUS, SON-8			105
TEXAS INSTRUMENTS	IC, 4-CHANNEL ESD-PROTECTION ARRAY FOR HIGH-SPEED DATA INTERFACES, SON-6P, DRY			85
TEXAS INSTRUMENTS	IC, LOW POWER DIGITAL TEMPERATURE SENSOR WITH SMBUS/TWO-WIRE SERIAL INTERFACE, SOTFL-6, DRL			125
TEXAS INSTRUMENTS	AUTORADAR 1443 SOC.			105
TEXAS INSTRUMENTS	IC, 5-V CAN TRANSCEIVER, SOIC-8, D			125

TEXAS INSTRUMENTS	IC, LOW-NOISE, WIDE-BANDWIDTH, HIGH PSRR, LOW-DROPOUT 1A LINEAR REGULATOR, SON-8, DRB			125
TEXAS INSTRUMENTS	IC, DUAL, 1-A, LOW NOISE, ADJUSTABLE, LDO VOLTAGE REGULATOR, QFN-20, RTJ			125
TEXAS INSTRUMENTS	IC, 32-BIT MICROCONTROLLER, TQFP-128, PDT			105
TEXAS INSTRUMENTS	IC, PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE, SOT-23, DBZ			125
TEXAS INSTRUMENTS	PMIC device with 4 switching regulator			125
TEXAS INSTRUMENTS	IC, 1-A LOW-DROPOUT ADJUSTABLE LINEAR REGULATOR, SON-8, DRB			125
KYOCERA	XTAL, 40MHZ, 8PF, 50PPM, 4-PIN			150
NDK	XTAL, 16MHZ, 15PPM, 8pF, 4-PIN			125
TDK	CAP, CERAMIC, 0.1UF, 10%, 10V, X7S, SMT0201	0.1UF	0.1	125
MURATA	CAP, CERAMIC, 10UF, 10%, 10V, X7R, SMT0805	10UF	0.1	125
TOKO	INDUCTOR, METAL ALLOY, 0.47UH, 20%, 5.7A, SMT1008	0.47UH	0.2	125
VISHAY	RESISTOR, THICK FILM, 0 OHM, JUMPER, 0.05W, SMT0201	0	JUMPER	155

PANASONIC	RESISTOR, THICK FILM, 0 OHM, JUMPER, 0.1W, 173.15 TO 873.15PPM/K, SMT0402	0	JUMPER	155
VISHAY	RESISTOR, THICK FILM, 0.00 OHM, JUMPER, 0.75W, SMT2010	0	0.01	155
VISHAY	RESISTOR, THIN FILM, 0 OHM, JUMPER, 0.125W, SMT0603	0	JUMPER	155
VISHAY	RESISTOR, THICK FILM, 10K OHM, 1%, 0.063W, 100PPM/K, SMT0402	10K	0.01	155
NEWARK IGNORE_REF ONLY	TEST POINT, 1.02 MM DIA, THRU			200
MURATA	FERRITE BEAD, CHIP, 30 OHM AT 100MHZ, 0%, 4A, SMT0805	30 OHM	0	125

VOLT RATED	ROHS	AVAILABILITY	LEAD FREE STATUS	REACH STATUS	REACH EFFECTIVE DATE
16V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
16V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
16V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
50V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
16V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
50V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
6.3V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015

10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
50V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
6.3V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
25V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
50V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
16V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
50V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
50V	YES	Active	LEAD FREE	REACH NOT AFFECTED	
20V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available
5.8V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-15

	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-16
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-15
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Non-Stock	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-16
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015

	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-16
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-15
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2011
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015

	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-15
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-15
	YES	Active	LEAD FREE	REACH NOT AFFECTED	

	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2011
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-15
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Non-Stock	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available
	YES	Active	LEAD FREE	REACH NOT AFFECTED	
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available

	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2016
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available
	No		Not lead free		
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Not Available
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Junie-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
10V	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-16
	YES	Active	LEAD FREE	REACH NOT AFFECTED	15-Jun

	YES	Active	LEAD FREE	REACH NOT AFFECTED	Jun-15
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	Dec-2015
	YES	Active	LEAD FREE	REACH NOT AFFECTED	42901

DESCRIPTION (FROM DIGI-KEY SYSTEM)	MANUFACTURER (FROM DIGI-KEY SYSTEM)	MANUFACTURER PART NUMBER (FROM DIGI- KEY SYSTEM)	DIGI-KEY PART NUMBER (FROM DIGI-KEY SYSTEM)
CAP CER 1UF 16V X7R 0603	MURATA ELECTRONICS (VA)	GCM188R71C105KA64D	490-5241-1-ND
CAP, CERAMIC, 0.22UF, 10%, 16V, X7R, SMT0402	MURATA ELECTRONICS (VA)	GCM155R71C224KE02D	490-10671-1-ND
CAP CER 0.1UF 16V X7R 0402	MURATA ELECTRONICS (VA)	GCM155R71C104KA55D	490-4759-1-ND
CAP CER 4.7PF 50V NP0 0402	MURATA ELECTRONICS (VA)	GJM1555C1H4R7BB01D	490-8102-1-ND
CAP CER 0.1UF 10V X7R 0402	KEMET (VA)	C0402C104K8RACTU	399-3520-1-ND
CAP CER 10UF 10V X7R 0805	MURATA ELECTRONICS (VA)	GCM21BR71A106KE22L	490-10674-1-ND
CAP CER 0.47UF 16V X7R 0603	MURATA ELECTRONICS (VA)	GCM188R71C474KA55D	490-4775-1-ND
CAP CER 0.1UF 50V X7R 0402	TDK Corporation	CGA2B3X7R1H104K050 BB	445-6899-1-ND
CAP CER 22UF 6.3V X7R 1206	TDK Corporation	CGA5L1X7R0J226M160 AC	445-7884-1-ND

CAP TANT 47UF 10V 10% 1411	KEMET	T491B476K010AT	399-9728-1-ND
CAP CER 10000PF 50V X8R 0402	TDK Corporation	CGA2B3X8R1H103K050 BB	445-12303-1-ND
CAP CER 1UF 6.3V X7S 0402	TDK Corporation	C1005X7S0J105M050BC	445-9080-1-ND
CAP CER 10000PF 25V X7R 0402	TDK Corporation	C1005X7R1E103K050BB	445-1260-1-ND
CAP, CERAMIC, 22UF, 10%, 10V, X7R, SMT1206	MURATA	GCM31CR71A226KE02L	490-14439-1-ND
CAP CER 8PF 50V NP0 0402	MURATA ELECTRONICS (VA)	GRM1555C1H8R0DA01D	490-5867-1-ND
CAP CER 10000PF 16V X7R 0402	KEMET	C0402C103K4RACTU	399-1038-1-ND
CAP CER 2.2UF 10V X7S 0402	TDK Corporation	C1005X7S1A225K050BC	445-9097-1-ND
CAP CER 15PF 50V NPO 0402	AVX Corporation	04025A150FAT2A	478-5126-1-ND
CAP, CERAMIC, 390PF, 5%, 50V, NPO, AUTOMOTIVE, SMT0402	TDK	CGA2B2NP01H391J050 BA	445-12137-1-ND
DIODE SCHOTTKY 20V 50MA	Skyworks Solutions Inc.	SMS3923-040LF	863-1694-1-ND
TVS DIODE 5.8VWM 10.5VC SMB	ON Semiconductor	P6SMB6.8AT3G	P6SMB6.8AT3GOS CT-ND
LED, LOW CURRENT, 2mA, 1.8V, RED, SMT0603	VISHAY	TLMS1000-GS08	TLMS1000- GS08CT-ND
LED, LOW CURRENT, 2MA, 1.8V, YELLOW, SMT0603	VISHAY	TLMY1000-GS08	TLMY1000- GS08CT-ND
FUSE, CERAMIC, 32V	LITTELFUSE	0440005.WR	F1608CT-ND

FERRITE BEAD, CHIP, 30 OHM AT 100MHZ, 0%, 4A, SMT0805	MURATA	BLM21PG300SH1D	490-11049-1-ND
CONN RCPT HI-SPD .5MM 60POS DL	Samtec Inc.	QSH-030-01-L-D-A	SAM8180-ND
CONN UMC RCPT STR 50 OHM SMD	Cinch Connectivity Solutions Johnson	128-0711-201	J983CT-ND
TERM BLOCK 3.5MM VERT 3POS PCB	On Shore Technology Inc.	OSTTE030161	ED2636-ND
CONN RCPT .100" 3POS SNGL VERT	Samtec Inc.	SSM-103-S-SV	SAM1152-03-ND
CONN RCPT .100" 20POS DUAL VERT	Samtec Inc.	SSM-110-S-DV	SAM1150-10-ND
CONNECTOR, MICRO-USB BOTTOM MOUNT RECEPTACLE, B TYPE, RIGHT ANGLE, 5-PIN	MOLEX	1050170001	WM1399CT-ND
INDUCTOR, METAL ALLOY, 0.47UH, 20%, 5.7A, SMT1008	TOKO	DFE252012P-R47M=P2	490-10653-1-ND
CONNECTOR, KK 100 BREAKAWAY HEADER, MALE, VERTICAL, 3-PIN	MOLEX	22284033	WM50016-03-ND
CONNECTOR, SINGLE ROW HEADER, VERTICAL, MALE, 2-PIN	MULTICOMP	2211S-02G	
CONN PWR JACK 2X5.5MM SOLDER	CUI Inc.	PJ-002AH	CP-002AH-ND

MOSFET N-CH 100V 170MA SOT-23	Fairchild/ON Semiconductor	BSS123	BSS123NCT-ND
RES SMD 0.0OHM JUMPER 1/20W 0201	Vishay Dale	CRCW02010000Z0ED	541-0.0AGCT-ND
RESISTOR, THICK FILM, 510 OHM, 5%, 0.1W, 473.15PPM/K, SMT0402	PANASONIC	ERJ-2GEJ511X	P510JCT-ND
RESISTOR, THICK FILM, 750 OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW0402750RFKED	541-750LCT-ND
RESISTOR, THICK FILM, 0 OHM, JUMPER, 0.1W, 173.15 TO 873.15PPM/K, SMT0402	PANASONIC	ERJ-2GE0R00X	P0.0JCT-ND
RESISTOR, THICK FILM, 100K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW0402100KFED	541-100KLCT-ND
RESISTOR, THICK FILM, 10K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040210K0FKED	541-10.0KLCT-ND
RESISTOR, THICK FILM, 82.5K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040282K5FKED	541-82.5KLCT-ND
RESISTOR, THICK FILM, 0.00 OHM, JUMPER, 0.75W, SMT2010	VISHAY	CRCW20100000Z0EF	541-0.0WCT-ND
RESISTOR, THICK FILM, 2.8K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04022K80FKED	541-2.80KLCT-ND
RESISTOR, THICK FILM, 1.96K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04021K96FKED	541-1.96KLCT-ND

RESISTOR, THICK FILM, 1K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04021K00FKED	541-1.00KLCT-ND
RESISTOR, THICK FILM, 4.87K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04024K87FKED	541-4.87KLCT-ND
RES SMD 0.0 OHM JUMPER 1/8W 0603	Vishay Beyschlag	MCT06030Z0000ZP500	MCT0603-0.0-ZZCT-ND
RESISTOR, THICK FILM, 49.9 OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040249R9FKED	541-49.9LCT-ND
RES SMD 4.99K OHM 1% 1/10W 0402	Panasonic Electronic Components	ERJ-2RKF4991X	P4.99KLCT-ND
RESISTOR, THICK FILM, 4.99K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04024K99FKED	541-4.99KLCT-ND
RESISTOR, THICK FILM, 1K OHM, 5%, 0.1W, 473.15PPM/K, SMT0402	PANASONIC	ERJ-2GEJ102X	P1.0KJCT-ND
RESISTOR, THICK FILM, 330K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW0402330KFKED	541-330KLCT-ND
RESISTOR, THICK FILM, 100 OHM, 5%, 0.1W, 473.15PPM/K, SMT0402	PANASONIC	ERJ-2GEJ101X	P100JCT-ND
RESISTOR, THICK FILM, 49.9K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040249K9FKED	541-49.9KLCT-ND
RESISTOR, THICK FILM, 30K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040230K0FKED	541-30.0KLCT-ND
RESISTOR, THICK FILM, 3.83 OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04023R83FKED	541-3.83LLCT-ND

RESISTOR, THICK FILM, 47.5K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040247K5FKED	541-47.5KLCT-ND
RESISTOR, THICK FILM, 33.2 OHM, 1%, 0.05W, 200PPM/K, SMT0201	VISHAY	CRCW020133R2FNED	541-33.2ABCT-ND
RESISTOR, THICK FILM, 12.7K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040212K7FKED	541-12.7KLCT-ND
RESISTOR, THICK FILM, 61.9 OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040261R9FKED	541-61.9LCT-ND
RESISTOR, THICK FILM, 360 OHM, 5%, 0.1W, 200PPM/C, SMT0402	PANASONIC	ERJ-2GEJ361X	P360JCT-ND
RESISTOR, THICK FILM, 7.87K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW04027K87FKED	541-7.87KLCT-ND
SWITCH TACTILE SPST-NO 0.01A 32V	C&K	KMR243GLFG	401-1432-1-ND
IC FLASH 16MBIT 108MHZ 8WSON	Cypress Semiconductor Corp	S25FL116K0XNFV010	S25FL116K0XNFV010-ND
IC, 4-CHANNEL ESD-PROTECTION ARRAY FOR HIGH-SPEED DATA INTERFACES, SON-6P, DRY	TEXAS INSTRUMENTS	TPD4E004DRYR	296-23618-1-ND
	TEXAS INSTRUMENTS	TMP112AIDRLR	296-38578-1-ND
IC, 5-V CAN TRANSCEIVER, SOIC-8, D	Texas Instruments	SN65HVDA540QDR	296-24822-1-ND

IC REG LDO ADJ 1A 8SON	Texas Instruments	TPS7A8101QDRBRQ1	296-40980-1-ND
IC, DUAL, 1-A, LOW NOISE, ADJUSTABLE, LDO VOLTAGE REGULATOR, QFN- 20, RTJ	TEXAS INSTRUMENTS	TPS7A8801RTJT	296-43312-1-ND
IC MCU 32BIT 1MB FLASH 128TQFP	Texas Instruments	TM4C1294NCPDTT3	296-37943-ND
IC, PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE, SOT- 23, DBZ	TEXAS INSTRUMENTS	LM4040C25QDBZR	296-17939-1-ND
IC, 1-A LOW- DROPOUT ADJUSTABLE LINEAR REGULATOR, SON- 8, DRB	TEXAS INSTRUMENTS	TPS79601DRBR	296-23107-1-ND
XTAL, 40MHZ, 8PF, 50PPM, 4-PIN	KYOCERA	CX3225SA40000D0PTW CC	
CRYSTAL 16.0000MHZ 8PF SMD	NDK	NX3225SA-16.000M-STD- CRS-2	644-1129-1-ND
CAP CER 0.1UF 10V X7S 0201	TDK Corporation	C0603X7S1A104K030BC	445-9051-1-ND
CAP CER 0.1UF 10V X7S 0201	TDK Corporation	C0603X7S1A104K030BC	445-9051-1-ND
INDUCTOR, METAL ALLOY, 0.47UH, 20%, 5.7A, SMT1008	TOKO	DFE252012P-R47M=P2	490-10653-1-ND
RES SMD 0.0OHM JUMPER 1/20W 0201	Vishay Dale	CRCW02010000Z0ED	541-0.0AGCT-ND

RESISTOR, THICK FILM, 0 OHM, JUMPER, 0.1W, 173.15 TO 873.15PPM/K, SMT0402	PANASONIC	ERJ-2GE0R00X	P0.0JCT-ND
RESISTOR, THICK FILM, 0.00 OHM, JUMPER, 0.75W, SMT2010	VISHAY	CRCW20100000Z0EF	541-0.0WCT-ND
RES SMD 0.0 OHM JUMPER 1/8W 0603	Vishay Beyschlag	MCT06030Z0000ZP500	MCT0603-0.0-ZZCT- ND
RESISTOR, THICK FILM, 10K OHM, 1%, 0.063W, 100PPM/K, SMT0402	VISHAY	CRCW040210K0FKED	541-10.0KLCT-ND
FERRITE BEAD, CHIP, 30 OHM AT 100MHZ, 0%, 4A, SMT0805	MURATA	BLM21PG300SH1	490-11049-1-ND

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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