



SE CONNECT

SAMPLE BOM ANALYSIS REPORT



 SILICONEXPERT

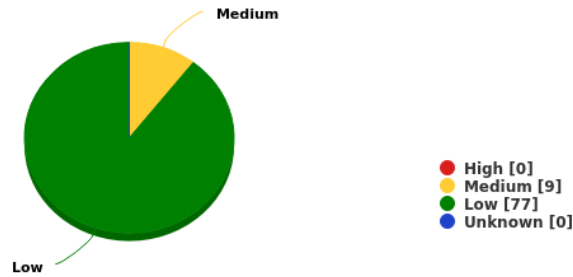
 EMA | Design Automation®

BOM Name: Untitled BOM Oct 01, 2019 (24)
Company Name: Ema-eda

Date: Oct 01, 2019
User Name: nikhilp@ema-eda.com

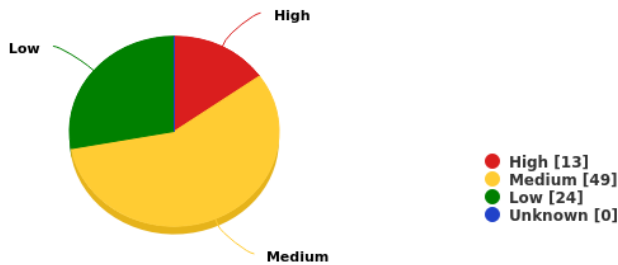
Overview

<h1 style="font-size: 48px; color: orange;">B</h1> <p>OVERALL GRADE 0 MPNs at risk</p>	<h1 style="font-size: 36px; color: red;">34%</h1> <p>LIFECYCLE 13 MPNs at risk</p>	<h1 style="font-size: 36px; color: red;">36%</h1> <p>MULTISOURCING 11 MPNs at risk</p>	<h1 style="font-size: 36px; color: green;">81%</h1> <p>COMPLIANCE 0 MPNs at risk</p>	<h1 style="font-size: 36px; color: orange;">53%</h1> <p>INVENTORY 6 MPNs at risk</p>
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Lifecycle [86]

34%

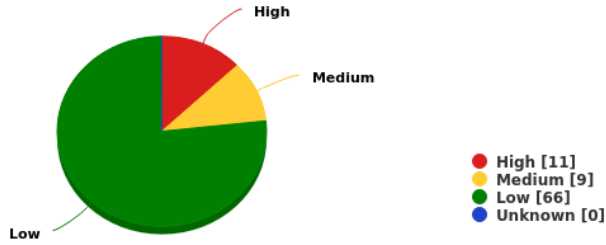


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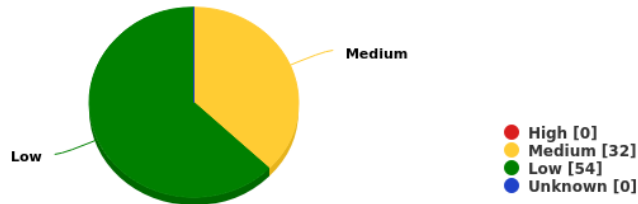
Multisourcing [86]

36%



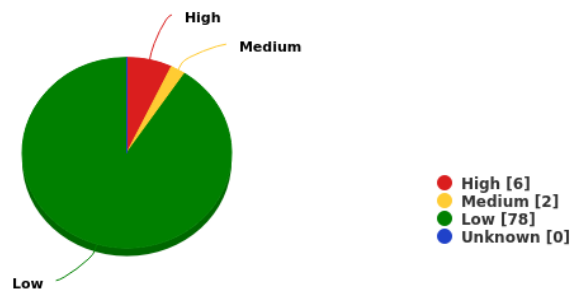
Compliance Grade [86]

81%



Inventory Grade [86]

53%



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Weightings Risk Calculation			
Lifecycle Risk	Multisourcing Risk	Compliance Risk	Inventory Risk
34%	36%	81%	53%

CPN: Customer Part Number		LC: Lifecycle			COMP: Compliance		MS: Multisourcing			INV: Inventory		
MPN	Manufacturer	Risk	Status	Y-TO-EOL	Risk	Sources	Risk	Risk	Sources	MPN Risk	Options	Crosses
TPS78601DR BR	Texas Instruments	Low	Active	10.0 years	Low	10	Low	Low	4	Low	10	281
INA219AIDC NR	Texas Instruments	Low	Active	10.0 years	Medium	1	Low	Low	6	Low	2	18
MSP430F552 9IPN	Texas Instruments	Low	Active	10.0 years	Low	2	Low	Low	5	Low	2	304
TPD4E004DR YR	Texas Instruments	Low	Active	10.0 years	Low	12	Low	Low	8	Low	1	106
TPS3307-33DGNR	Texas Instruments	Low	Active	10.0 years	High	0	Low	Low	6	Low	6	6
ADS7280IPW	Texas Instruments	Low	Active	10.0 years	Low	2	Low	Low	5	Low	2	51
REF2940AID BZT	Texas Instruments	Low	Active	10.0 years	Medium	1	Low	Low	8	Low	3	13
GRM155R71 C104KA88D	Murata	High	NRND	1.0 year	Low	21	Low	Low	6	Low	28	162
GRM1555C1 H102JA01	Murata	Low	Active	7.5 years	High	0	Low	High	0	Medium	7	7
BLM15HD102 SN1D	Murata	Medium	Active	6.4 years	Low	9	Low	Low	9	Low	8	59
GCM188R71 C334KA37D	Murata	Medium	Active	7.3 years	Low	17	Low	Low	4	Low	5	98
GRM21BR71 A106KE51L	Murata	High	LTB	1.5 years	Low	17	Low	Low	4	Low	10	100
BLM21AG12 1SN1B	Murata	Medium	Active	6.4 years	Low	31	Low	High	0	Low	3	248
GRM21BR61 C335KA88L	Murata	High	LTB	1.5 years	Low	9	Low	Low	0	Low	5	32
GCM188R71 E224KA55D	Murata	Medium	Active	7.3 years	Low	17	Low	Low	8	Low	6	119
GRM155R71 E223KA61D	Murata	Medium	Active	7.3 years	Low	17	Low	Low	6	Low	14	68
GRM1885C2 A271JA01D	Murata	High	NRND	1.0 year	Low	15	Low	Low	4	Low	19	131
GRM32ER72 A105KA01L	Murata	High	NRND	1.0 year	Low	15	Low	Low	5	Low	1	87
GRM188R72 A223KAC4D	Murata	Medium	Active	7.3 years	Low	9	Low	Low	3	Low	9	105
GRM1555C1 H180J201D	Murata	High	Obsolete		Low	20	Low	Medium	1	Medium	70	315
C1005C0G1H 620J	TDK Corporation	High	Obsolete		Low	9	Low	High	0	Medium	2	89
C1005X7R1C 103K	TDK Corporation	High	NRND	1.0 year	Low	21	Low	Low	6	Low	0	279
C1608X7R1C 105K	TDK Corporation	High	NRND	1.0 year	Low	20	Low	Low	8	Low	2	156
C5750X5R1C 336M	TDK Corporation	Low	Active	8.5 years	High	0	Low	Low	4	Low	0	0
C4532X7R2A 225K	TDK Corporation	Low	Active	8.5 years	Low	9	Low	Low	8	Low	1	37
CRCW06031 0K0FKEA	Vishay	Medium	Active	7.3 years	Low	35	Medium	Low	12	Low	16	262
CRCW06031 2K1FKEA	Vishay	Medium	Active	7.3 years	Low	30	Medium	Low	7	Low	17	182
CRCW06034 K99FKEA	Vishay	Medium	Active	7.3 years	Low	31	Medium	Low	9	Low	14	192
SY89873LMG	Micrel	Medium	Active	6.0 years	High	0	Low	Low	6	Low	3	3
44206-0007	Molex	Low	Active	7.5 years	Medium	1	Low	Low	7	Low	0	1
RC0402FR-0749R9L	Yageo	Medium	Active	7.3 years	Low	27	Medium	Low	9	Low	5	150
RC0603FR-07330RL	Yageo	Low	Active	13.4 years	Low	20	Medium	Low	9	Low	5	189
RC0603FR-071K47L	Yageo	Medium	Active	7.3 years	Low	24	Medium	Low	7	Low	5	186
RC0603FR-071ML	Yageo	Medium	Active	7.3 years	Low	36	Medium	Low	8	Low	9	260
FDD3706	Fairchild Semiconductor	Medium	Active	6.4 years	Medium	1	Medium	Low	7	Low	0	47
C0603C104K 3RAC	KEMET Corporation	Medium	Active	7.3 years	Low	22	Low	Low	2	Low	98	463
C1206C106K 4RACTU	Kemet	Low	Active	8.5 years	Low	19	Low	Low	7	Low	25	156
C0603C475K 9PACTU	Kemet	Low	Active	8.5 years	Low	14	Low	Low	8	Low	16	68
C0402C103K 5RACTU	Kemet	Low	Active	8.5 years	Low	19	Low	Low	9	Low	22	176
T495D226K0 35ATE300	Kemet	Low	Active	8.5 years	Low	7	Low	Low	5	Low	7	719
C0402C220J 5GACTU	Kemet	Low	Active	14.0 years	Low	26	Low	Low	8	Low	37	474
C0402C101J 5GACTU	Kemet	Low	Active	14.0 years	Low	25	Low	Low	10	Low	49	292
C0402C222K 5RACTU	Kemet	Low	Active	8.5 years	Low	19	Low	Low	8	Low	18	236
SKY73120-11	Skyworks Inc	Medium	Active	4.3 years	High	0	Low	Medium	1	Medium	0	0
N2510-6002-RB	3M	Low	Active	6.6 years	High	0	Low	Low	14	Low	4	4
N2514-6002-RB	3M	Low	Active	6.7 years	Low	4	Low	Low	12	Low	6	30

MPN	Manufacturer	LC			MS		COMP	INV		MPN Risk	Options	Crosses
		Risk	Status	Y-TO-EOL	Risk	Sources	Risk	Risk	Sources			
SD103AW-13-F	Diodes	Medium	Active	5.1 years	Low	9	Low	Low	2	Low	4	61
A3P1000-FGG144	Actel	Medium	Active	5.6 years	High	0	Low	High	0	Medium	3	45
RMCF0603FT10R0	Stackpole Electronics	Low	Active	8.5 years	Low	35	Medium	Low	2	Low	2	348
IHSM3825ER3R9L	Vishay/Dale	Medium	Active	6.4 years	Medium	1	Low	High	0	Medium	3	5
897-43-004-90-000000	Mill-Max	Medium	Active	6.4 years	High	0	Medium	Low	11	Low	0	0
LTST-C170KSKT	Lite-On Inc	Medium	Active	6.0 years	Low	3	Low	Low	7	Low	0	12
LTST-C170TBKT	Lite-On Inc	Medium	Active	6.0 years	Medium	1	Low	Low	8	Low	0	0
RG1608P-1401-B-T5	Susumu	Medium	Active	7.3 years	Low	14	Low	Low	2	Low	2	198
RG1608P-333-B-T1	Susumu	High	Obsolete		Low	11	Low	High	0	Medium	3	102
AMK105BJ475MV-F	Taiyo Yuden	High	NRND	1.0 year	High	0	Low	Low	8	Medium	1	1
ERJ-3EKF6811V	Panasonic	Medium	Active	7.3 years	Low	30	Medium	Low	12	Low	1	270
ERJ3EKF3012V	Panasonic	Medium	Active	7.3 years	Low	30	Medium	Low	12	Low	0	273
ERJ-3EKF4701V	Panasonic	Medium	Active	7.3 years	Low	24	Medium	Low	13	Low	0	245
ERJ-3EKF1001V	Panasonic	Medium	Active	7.3 years	Low	34	Medium	Low	11	Low	0	500
ERJ-M1WTF1M5U	Panasonic	High	LTB		Low	3	Low	Low	7	Low	0	7
ERJ-3EKF1211V	Panasonic	Medium	Active	7.3 years	Low	30	Medium	Low	13	Low	1	252
ERJ-3EKF2323V	Panasonic	Medium	Active	7.3 years	Low	25	Medium	Low	11	Low	0	143
ERJ-3EKF1333V	Panasonic	Medium	Active	7.3 years	Low	23	Medium	Low	11	Low	0	153
ERJ-3EKF1152V	Panasonic	Medium	Active	7.3 years	Low	25	Medium	Low	8	Low	0	206
ERJ-3EKF3321V	Panasonic	Medium	Active	7.3 years	Low	32	Medium	Low	12	Low	0	281
ERJ-3EKF2491V	Panasonic	Medium	Active	7.3 years	Low	27	Medium	Low	12	Low	0	273
ERJ-3EKF2262V	Panasonic	Medium	Active	7.3 years	Low	26	Medium	Low	10	Low	0	196
ERJ-3EKF1303V	Panasonic	Medium	Active	7.3 years	Low	33	Medium	Low	12	Low	0	203
ERJ-3EKF2153V	Panasonic	Medium	Active	7.3 years	Low	23	Medium	Low	12	Low	0	144
ERJ-3EKF1433V	Panasonic	Medium	Active	7.3 years	Low	21	Medium	Low	9	Low	0	150
ERJ-2GE0R00X	Panasonic	Low	Active	12.6 years	Low	27	Medium	Low	13	Low	2	179
ERJ3EKF33R2V	Panasonic	Medium	Active	7.3 years	Low	31	Medium	Low	13	Low	0	265
EVQPBE05R	Panasonic	High	LTB	1.3 years	Medium	1	Low	Low	6	Medium	0	43
ERJ-3EKF4702V	Panasonic	Medium	Active	7.3 years	Low	20	Medium	Low	14	Low	0	195
ERJ-3EKF1000V	Panasonic	Medium	Active	7.3 years	Low	34	Medium	Low	12	Low	1	454
ERJ-3EKF6983V	Panasonic	Medium	Active	7.3 years	Low	23	Medium	Low	9	Low	0	125
ERJ-3EKF8062V	Panasonic	Medium	Active	7.3 years	Low	27	Medium	Low	12	Low	0	182
EEE-FK1C101P	Panasonic	Medium	Active	6.4 years	Low	11	Low	Low	10	Low	3	80
ERJ-3EKF7152V	Panasonic	Medium	Active	7.3 years	Low	25	Medium	Low	11	Low	0	176
5015	Keystone Electronics	Medium	Active	6.4 years	Medium	1	Low	Low	9	Low	0	3
MAX5483ETE+	Maxim Integrated Products	Medium	Active	6.9 years	Medium	1	Low	Low	3	Low	7	20
MAX8655ETN+	Maxim Integrated Products	Medium	Active	7.3 years	Low	6	Low	Low	3	Low	1	52
04023J5R6B BSTR	AVX	Medium	Active	6.4 years	High	0	Medium	Low	2	Low	4	9
04025A100J AT2A	AVX	Medium	Active	7.3 years	Low	22	Low	Low	9	Low	16	342
22-10-2031	Molex Inc	Low	Active	7.5 years	High	0	Low	Low	14	Low	0	0