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<b>Title</b>	<b><i>Moisture Sensitivity Level (MSL) Packaging Information</i></b>
<b>Author</b>	Reliability Department
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<b>Revision</b>	1.7

**PATENT INFORMATION**

The products and applications illustrated herein (including transformer construction and circuits external to the products) may be covered by one or more U.S. and foreign patents, or potentially by pending U.S. and foreign patent applications assigned to Power Integrations. A complete list of Power Integrations' patents may be found at [www.powerint.com](http://www.powerint.com). Power Integrations grants its customers a license under certain patent rights as set forth at <http://www.powerint.com/ip.htm>.

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## 1 CAPZero Family

Part Number	MSL Rating
CAP002DG	1
CAP002DG-TL	1
CAP012DG	1
CAP012DG-TL	1
CAP003DG	1
CAP003DG-TL	1
CAP013DG	1
CAP013DG-TL	1
CAP004DG	1
CAP004DG-TL	1
CAP014DG	1
CAP014DG-TL	1
CAP005DG	1
CAP005DG-TL	1
CAP015DG	1
CAP015DG-TL	1
CAP006DG	1
CAP006DG-TL	1
CAP016DG	1
CAP016DG-TL	1
CAP007DG	1
CAP007DG-TL	1
CAP017DG	1
CAP017DG-TL	1
CAP008DG	1
CAP008DG-TL	1
CAP018DG	1
CAP018DG-TL	1
CAP009DG	1
CAP009DG-TL	1
CAP019DG	1
CAP019DG-TL	1

## 2 SENZero Family

Part Number	MSL Rating
SEN012DG	1
SEN012DG-TL	1
SEN013DG	1
SEN013DG-TL	1



### 3 LinkZero-AX Family

Part Number	MSL Rating
LNK584DG	1
LNK584DG-TL	1
LNK584GG	4
LNK584GG-TL	4

### 4 LinkZero-LP Family

Part Number	MSL Rating
LNK574DG	1

### 5 DPA-Switch Family

Part Number	MSL Rating
DPA422PN	N/A
DPA422GN	4
DPA422GN-TL	4
DPA423PN	N/A
DPA423GN	4
DPA423GN-TL	4
DPA423R	4
DPA423R-TL	4
DPA424PN	N/A
DPA424GN	4
DPA424GN-TL	4
DPA424R	4
DPA424R-TL	4
DPA425PN	N/A
DPA425GN	4
DPA425GN-TL	4
DPA425R	4
DPA425R-TL	4
DPA426R	4
DPA426R-TL	4



## 6 LinkSwitch-TN Family

Part Number	MSL Rating
LNK302PN	N/A
LNK302GN	4
LNK302GN-TL	4
LNK302DN	1, 4 <sup>1</sup>
LNK302DN-TL	1, 4 <sup>1</sup>
LNK302DG	1, 4 <sup>1</sup>
LNK302DG-TL	1, 4 <sup>1</sup>
LNK304PN	N/A
LNK304GN	4
LNK304GN-TL	4
LNK304DN	1, 4 <sup>1</sup>
LNK304DN-TL	1, 4 <sup>1</sup>
LNK304DG	1, 4 <sup>1</sup>
LNK304DG-TL	1, 4 <sup>1</sup>
LNK305PN	N/A
LNK305GN	4
LNK305GN-TL	4
LNK305DN	1, 4 <sup>1</sup>
LNK305DN-TL	1, 4 <sup>1</sup>
LNK305DG	1, 4 <sup>1</sup>
LNK305DG-TL	1, 4 <sup>1</sup>
LNK306PN	N/A
LNK306GN	4
LNK306GN-TL	4
LNK306DN	1, 4 <sup>1</sup>
LNK306DN-TL	1, 4 <sup>1</sup>
LNK306DG	1, 4 <sup>1</sup>
LNK306DG-TL	1, 4 <sup>1</sup>

1. Dependent on IC BOM.

## 7 LinkSwitch-HF Family

Part Number	MSL Rating
LNK353PN	N/A
LNK353GN	4
LNK353GN-TL	4
LNK354PN	N/A
LNK354GN	4
LNK354GN-TL	4



## 8 LinkSwitch-XT Family

Part Number	MSL Rating
LNK362PN	N/A
LNK362PG	N/A
LNK362GN	4
LNK362GN-TL	4
LNK362DN	1, 4 <sup>1</sup>
LNK362DN-TL	1, 4 <sup>1</sup>
LNK362DG	1, 4 <sup>1</sup>
LNK362DG-TL	1, 4 <sup>1</sup>
LNK363PN	N/A
LNK363PG	N/A
LNK363GN	4
LNK363GN-TL	4
LNK363DN	1, 4 <sup>1</sup>
LNK363DN-TL	1, 4 <sup>1</sup>
LNK363DG	1, 4 <sup>1</sup>
LNK363DG-TL	1, 4 <sup>1</sup>
LNK364PN	N/A
LNK364PG	N/A
LNK364GN	4
LNK364GN-TL	4
LNK364DN	1, 4 <sup>1</sup>
LNK364DN-TL	1, 4 <sup>1</sup>
LNK364DG	1, 4 <sup>1</sup>
LNK364DG-TL	1, 4 <sup>1</sup>

1. Dependent on IC BOM.

## 9 LinkSwitch Family

Part Number	MSL Rating
LNK500PN	N/A
LNK500GN	4
LNK500GN-TL	4
LNK501PN	N/A
LNK501GN	4
LNK501GN-TL	4
LNK520PN	N/A
LNK520GN	4
LNK520GN-TL	4



## 10 LinkSwitch-LP Family

Part Number	MSL Rating
LNK562PN	N/A
LNK562PG	N/A
LNK562GN	4
LNK562GN-TL	4
LNK562DN	1, 4 <sup>1</sup>
LNK562DN-TL	1, 4 <sup>1</sup>
LNK562DG	1, 4 <sup>1</sup>
LNK562DG-TL	1, 4 <sup>1</sup>
LNK563PN	N/A
LNK563PG	N/A
LNK563GN	4
LNK563GN-TL	4
LNK563DN	1, 4 <sup>1</sup>
LNK563DN-TL	1, 4 <sup>1</sup>
LNK563DG	1, 4 <sup>1</sup>
LNK563DG-TL	1, 4 <sup>1</sup>
LNK564PN	N/A
LNK564PG	N/A
LNK564GN	4
LNK564GN-TL	4
LNK564DN	1, 4 <sup>1</sup>
LNK564DN-TL	1, 4 <sup>1</sup>
LNK564DG	1, 4 <sup>1</sup>
LNK564DG-TL	1, 4 <sup>1</sup>

1. Dependent on IC BOM.

## 11 LinkSwitch-II Family

Part Number	MSL Rating
LNK603PG	N/A
LNK603DG	1, 4 <sup>1</sup>
LNK603DG-TL	1, 4 <sup>1</sup>
LNK613PG	N/A
LNK613DG	1
LNK613DG-TL	1
LNK604PG	N/A
LNK604DG	1, 4 <sup>1</sup>
LNK604DG-TL	1, 4 <sup>1</sup>
LNK614PG	N/A



LNK614DG	1, 4 <sup>1</sup>
LNK614DG-TL	1, 4 <sup>1</sup>
LNK605PG	N/A
LNK605DG	1, 4 <sup>1</sup>
LNK605DG-TL	1, 4 <sup>1</sup>
LNK615PG	N/A
LNK615DG	1, 4 <sup>1</sup>
LNK615DG-TL	1, 4 <sup>1</sup>
LNK606PG	N/A
LNK606GG	4
LNK606GG-TL	4
LNK606DG	1, 4 <sup>1</sup>
LNK606DG-TL	1, 4 <sup>1</sup>
LNK616PG	N/A
LNK616GG	4
LNK616GG-TL	4
LNK616DG	1, 4 <sup>1</sup>
LNK616DG-TL	1, 4 <sup>1</sup>
LNK632DG	1, 4 <sup>1</sup>
LNK632DG-TL	1, 4 <sup>1</sup>

1. Dependent on IC BOM.

## 12 LinkSwitch-CV Family

Part Number	MSL Rating
LNK623PG	N/A
LNK623DG	4
LNK623DG-TL	4
LNK624PG	N/A
LNK624DG	4
LNK624DG-TL	4
LNK625PG	N/A
LNK625DG	4
LNK625DG-TL	4
LNK626PG	N/A
LNK626DG	4
LNK626DG-TL	4



### 13 LinkSwitch-PH Family

Part Number	MSL Rating
LNK403E/L	N/A
LNK404E/L	N/A
LNK405E/L	N/A
LNK406E/L	N/A
LNK407E/L	N/A
LNK408E/L	N/A
LNK409E/L	N/A
LNK410E/L	N/A
LNK413E/L	N/A
LNK414E/L	N/A
LNK415E/L	N/A
LNK416E/L	N/A
LNK417E/L	N/A
LNK418E/L	N/A
LNK419E/L	N/A
LNK420E/L	N/A

### 14 LinkSwitch-PL Family

Part Number	MSL Rating
LNK454DG	1
LNK454DG-TL	1
LNK456DG	1
LNK456DG-TL	1
LNK457DG	1
LNK457DG -TL	1
LNK457KG	3
LNK457KG -TL	3
LNK457VG	N/A
LNK458KG	3
LNK458KG-TL	3
LNK458VG	N/A
LNK460KG	3
LNK460KG-TL	3
LNK460VG	N/A



## 15 PeakSwitch Family

Part Number	MSL Rating
PKS603PN	N/A
PKS604FN	N/A
PKS604PN	N/A
PKS604YN	N/A
PKS605FN	N/A
PKS605PN	N/A
PKS605YN	N/A
PKS606FN	N/A
PKS606PN	N/A
PKS606YN	N/A
PKS607FN	N/A
PKS607YN	N/A

## 16 Qspeed Family

Part Number	MSL Rating
QH03TZ600	N/A
QH05TZ600	N/A
QH08TZ600	N/A
QH12TZ600	N/A
LQA03TC600	N/A
LQA05TC600	N/A
LQA08TC600	N/A
LQA06TC300	N/A
LQA10T300	N/A
LQA12T300C	N/A
LQA12B300C	2
LQA16T300	N/A
LQA20B300C	2
LQA20T300C	N/A
LQA30T300	N/A
LQA30A300C	N/A
LQA32T300	N/A
LQA60A300C	N/A
LXA03T600	N/A
LXA03B600	2
LXA04T600	N/A
LXA04B600	2
LXA06T600	N/A



LXA06B600	2
LXA08T600	N/A
LXA08B600	2
LXA08FP600	N/A
LXA08T600C	N/A
LXA10T600	N/A
LXA10FP600	N/A
LXA12T600C	N/A
LXA16T600C	N/A
LXA15T600	N/A
LXA20T600	N/A

## 17 TinySwitch Family

Part Number	MSL Rating
TNY253PN	N/A
TNY253GN	4
TNY253GN-TL	4
TNY254PN	N/A
TNY254GN	4
TNY254GN-TL	4
TNY255PN	N/A
TNY255GN	4
TNY255GN-TL	4
TNY256PN	N/A
TNY256GN	4
TNY256GN-TL	4
TNY256YN	N/A

## 18 TinySwitch-II Family

Part Number	MSL Rating
TNY263PN	N/A
TNY263PG	N/A
TNY263GN	4
TNY263GN-TL	4
TNY264PN	N/A
TNY264PG	N/A
TNY264GN	4
TNY264GN-TL	4
TNY265PN	N/A



TNY265PG	N/A
TNY265GN	4
TNY265GN-TL	4
TNY266PN	N/A
TNY266PG	N/A
TNY266GN	4
TNY266GN-TL	4
TNY267PN	N/A
TNY267GN	4
TNY267GN-TL	4
TNY268PN	N/A
TNY268GN	4
TNY268GN-TL	4

## 19 TinySwitch-III Family

Part Number	MSL Rating
TNY274PN	N/A
TNY274PG	N/A
TNY274GN	4
TNY274GN-TL	4
TNY275PN	N/A
TNY275PG	N/A
TNY275GN	4
TNY275GN-TL	4
TNY276PN	N/A
TNY276PG	N/A
TNY276GN	4
TNY276GN-TL	4
TNY277PN	N/A
TNY277PG	N/A
TNY277GN	4
TNY277GN-TL	4
TNY278PN	N/A
TNY278PG	N/A
TNY278GN	4
TNY278GN-TL	4
TNY279PN	N/A
TNY279PG	N/A
TNY279GN	4



TNY279GN-TL	4
TNY280PN	N/A
TNY280GN	4
TNY280GN-TL	4

## 20 TinySwitch-PK Family

Part Number	MSL Rating
TNY375PN	N/A
TNY375GN	4
TNY375GN-TL	4
TNY375DG	1, 4 <sup>1</sup>
TNY375DG-TL	1, 4 <sup>1</sup>
TNY376PN	N/A
TNY376GN	4
TNY376GN-TL	4
TNY376DG	1, 4 <sup>1</sup>
TNY376DG-TL	1, 4 <sup>1</sup>
TNY377PN	N/A
TNY377GN	4
TNY377GN-TL	4
TNY378PN	N/A
TNY378GN	4
TNY378GN-TL	4
TNY379PN	N/A
TNY379GN	4
TNY379GN-TL	4
TNY380PN	N/A
TNY380GN	4
TNY380GN-TL	4

1. Dependent on IC BOM.

## 21 TOPSwitch Family

Part Number	MSL Rating
TOP100YN	N/A
TOP101YN	N/A
TOP102YN	N/A
TOP103YN	N/A
TOP104YN	N/A
TOP200YN	N/A



TOP201YN	N/A
TOP202YN	N/A
TOP203YN	N/A
TOP204YN	N/A
TOP209PN	N/A
TOP209GN	4
TOP209GN-TL	4
TOP210PN	N/A
TOP210GN	4
TOP210GN-TL	4
TOP214YN	N/A

## 22 TOPSwitch Family

Part Number	MSL Rating
TOP221PN	N/A
TOP221GN	4
TOP221GN-TL	4
TOP221YN	N/A
TOP222PN	N/A
TOP222GN	4
TOP222GN-TL	4
TOP222YN	N/A
TOP223PN	N/A
TOP223GN	4
TOP223GN-TL	4
TOP223YN	N/A
TOP224PN	N/A
TOP224GN	4
TOP224GN-TL	4
TOP224YN	N/A
TOP225YN	N/A
TOP226YN	N/A
TOP227YN	N/A

## 23 TOPSwitch-FX Family

Part Number	MSL Rating
TOP232PN	N/A
TOP232GN	4
TOP232GN-TL	4
TOP232YN	N/A



TOP233PN	N/A
TOP233GN	4
TOP233GN-TL	4
TOP233YN	N/A
TOP234PN	N/A
TOP234GN	4
TOP234GN-TL	4
TOP234YN	N/A

## 24 TOPSwitch-GX Family

Part Number	MSL Rating
TOP242FN	N/A
TOP242PN	N/A
TOP242GN	4
TOP242GN-TL	4
TOP242R-TL	4
TOP242YN	N/A
TOP243FN	N/A
TOP243PN	N/A
TOP243GN	4
TOP243GN-TL	4
TOP243R-TL	4
TOP243YN	N/A
TOP244FN	N/A
TOP244PN	N/A
TOP244GN	4
TOP244GN-TL	4
TOP244R-TL	4
TOP244YN	N/A
TOP245FN	N/A
TOP245PN	N/A
TOP245GN	4
TOP245GN-TL	4
TOP245R-TL	4
TOP245YN	N/A
TOP246FN	N/A
TOP246PN	N/A
TOP246GN	4
TOP246GN-TL	4
TOP246R-TL	4
TOP246YN	N/A



TOP247FN	N/A
TOP247R-TL	4
TOP247YN	N/A
TOP248FN	N/A
TOP248R-TL	4
TOP248YN	N/A
TOP249FN	N/A
TOP249R-TL	4
TOP249YN	N/A
TOP250FN	N/A
TOP250R-TL	4
TOP250YN	N/A

## 25 TOPSwitch-HX Family

Part Number	MSL Rating
TOP252PN	N/A
TOP252PG	N/A
TOP252GN	4
TOP252GN-TL	4
TOP252MN	N/A
TOP252MG	N/A
TOP252EN	N/A
TOP252EG	N/A
TOP253PN	N/A
TOP253PG	N/A
TOP253GN	4
TOP253GN-TL	4
TOP253MN	N/A
TOP253MG	N/A
TOP253EN	N/A
TOP253EG	N/A
TOP254PN	N/A
TOP254PG	N/A
TOP254GN	4
TOP254GN-TL	4
TOP254MN	N/A
TOP254MG	N/A
TOP254YN	N/A
TOP254EN	N/A
TOP254EG	N/A



TOP255PN	N/A
TOP255PG	N/A
TOP255GN	4
TOP255GN-TL	4
TOP255MN	N/A
TOP255MG	N/A
TOP255YN	N/A
TOP255EN	N/A
TOP255EG	N/A
TOP255LN	N/A
TOP255LG	N/A
TOP256PN	N/A
TOP256PG	N/A
TOP256GN	4
TOP256GN-TL	4
TOP256MN	N/A
TOP256MG	N/A
TOP256YN	N/A
TOP256EN	N/A
TOP256EG	N/A
TOP256LN	N/A
TOP256LG	N/A
TOP257PN	N/A
TOP257PG	N/A
TOP257GN	4
TOP257GN-TL	4
TOP257MN	N/A
TOP257MG	N/A
TOP257YN	N/A
TOP257EN	N/A
TOP257EG	N/A
TOP257LN	N/A
TOP257LG	N/A
TOP258PN	N/A
TOP258PG	N/A
TOP258GN	4
TOP258GN-TL	4
TOP258MN	N/A
TOP258MG	N/A
TOP258YN	N/A
TOP258EN	N/A
TOP258EG	N/A
TOP258LN	N/A
TOP258LG	N/A
TOP259YN	N/A



TOP259EN	N/A
TOP259EG	N/A
TOP259LN	N/A
TOP259LG	N/A
TOP260YN	N/A
TOP260EN	N/A
TOP260EG	N/A
TOP260LN	N/A
TOP260LG	N/A
TOP261YN	N/A
TOP261EN	N/A
TOP261EG	N/A
TOP261LN	N/A
TOP261LG	N/A
TOP262EN	N/A
TOP262LN	N/A

## 26 TOPSwitch-JX Family

Part Number	MSL Rating
TOP264EG	N/A
TOP264VG	N/A
TOP264KG	3
TOP264KG-TL	3
TOP265EG	N/A
TOP265VG	N/A
TOP265KG	3
TOP265KG-TL	3
TOP266EG	N/A
TOP266VG	N/A
TOP266KG	3
TOP266KG-TL	3
TOP267EG	N/A
TOP267VG	N/A
TOP267KG	3
TOP267KG-TL	3
TOP268EG	N/A
TOP268VG	N/A
TOP268KG	3
TOP268KG-TL	3



TOP269EG	N/A
TOP269VG	N/A
TOP269KG	3
TOP269KG-TL	3
TOP270EG	N/A
TOP270VG	N/A
TOP270KG	3
TOP270KG-TL	3
TOP271EG	N/A
TOP271VG	N/A
TOP271KG	3
TOP271KG-TL	3

## 27 HiperPLC Family

Part Number	MSL Rating
PLC810PG	N/A

## 28 HiperPFS Family

Part Number	MSL Rating
PFS704EG	N/A
PFS706EG	N/A
PFS708EG	N/A
PFS710EG	N/A
PFS712EG	N/A
PFS714EG	N/A
PFS716EG	N/A
PFS723EG	N/A
PFS724EG	N/A
PFS725EG	N/A
PFS726EG	N/A
PFS727EG	N/A
PFS728EG	N/A
PFS729EG	N/A

## 29 HiperTFS Family

Part Number	MSL Rating
TFS757HG	N/A
TFS758HG	N/A
TFS759HG	N/A
TFS760HG	N/A



TFS761HG	N/A
TFS762HG	N/A
TFS763HG	N/A
TFS764HG	N/A

### 30 HiperLCS Family

Part Number	MSL Rating
LCS700HG	N/A
LCS700LG	N/A
LCS701HG	N/A
LCS701LG	N/A
LCS702HG	N/A
LCS702LG	N/A
LCS703HG	N/A
LCS703LG	N/A
LCS705HG	N/A
LCS708HG	N/A

### 31 TOPSwitch 41x Family

Part Number	MSL Rating
TOP412GN	4
TOP412GN-TL	4
TOP414GN	4
TOP414GN-TL	4



### 32 Revision History

Date	Author	Revision	Description and Changes	Reviewed
29-Apr-10	NS	1.0	Initial Release	QA & Rel
17-May-10		1.1	MSL info updated for TN, XT and LP products per PCN-09081.	
27-Aug-10		1.2	Added LinkSwitch-PH, LinkSwitch-PL, CAPZero, SENZero.	
18-Oct-10	KM	1.3	Added K package and LinkZero-AX. MSL for TN, XT and LP products changed back to 4. LNK454-457DG MSL rating changed to 1.	
17-Aug-11	KM	1.4	Added products: HiperTFS, HiperPFS, HiperLCS, LinkSwitch-PH 413-420.	
15-Feb-12	KM	1.5	Updated MSL for LinkSwitch-II and LinkSwitch-CV.	
01-Mar-12	KM	1.6	Added Qspeed family of diodes.	
17-May-12	KM	1.7	Added LinkZero-LP. Updated MSL for TinySwitch-PK, LinkSwitch-XT, LinkSwitch-LP, LinkSwitch-TN	



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