



Product Content Sheet

Package family	QLPp	Picture of typical product, optional
Date	28/Sep/2006	
Version	RoHS	

Composition part	Material group	Materials	CAS if applicable	Average mass [weight-%] *)	Sum [%]	Traces
Chip	Silicon and inorganic compounds	Si	7440-21-3	100	3.050047	
Wires	Nobel Metal	Gold	7440-57-5	99.99	0.706891	
Leadframe	Alloy	Copper	7440-50-8	96.6602	48.136380	
		Iron	7439-89-6	2.1697	1.080502	
		Phosphorus	7723-14-0	0.0724	0.036055	
		Zinc	7440-66-6	0.1116	0.055576	
		Lead	7439-92-1	0.0129	0.006424	
		Silver	7440-22-4	0.9732	0.484650	-
		Mold compound	Silica and thermoset epoxy resin	Si fused	60676-86-0	86.91
DA Epoxy	Epoxy	Epoxy & Phenol resin	Confidential	12.78	5.385685	
		Carbon Black	1333-86-4	0.31	0.130639	
		Silver	7440-22-4	75	0.842707	
Leadfinish	Metal Alloy	Epoxy Resin	Confidential	10	0.112361	
		Gamma Butyrolactone	96-48-0	5	0.056180	
		Amine	Confidential	5	0.056180	
		Metal Oxide	Confidential	5	0.056180	
		Sn	7440-31-5	100	3.178359	
Marking	Laser	Laser	-	-	-	-
Sum in total:					100	-

Weight range	0.169899g
Fluctuation margin	-

or:

Case sizes**) and weight range

-

*) related to package weight; weight in particular, see corresponding *package weight list*

**) optional

Not part of package family

Company	Texas Instruments Norway	Important remarks: 1) Traces are product parts, substances etc. that are below a percentage of 0.1 % by weight. Higher limits are accepted if the substance or material is legally regulated (see note no. 2). 2) A list of the (legal) "... restrictions on substances ..." or materials is available at internet address:
Address	Gaustadalleen 21, 0349 Oslo, Norway	
Support	http://www-k.ext.ti.com/sc/technical-support/pic/euro.htm	
Internet	www.ti.com	

- <http://www.eicta.org/Content/Default.asp?PageID=113>.
- 3) Substances, materials etc. with possible harmful effects on human beings and the environment are listed.
 - 4) There are no risks for human beings and to the environment if products are properly used as designated. This shall not apply to risks caused during procedures for disposal etc.
 - 5) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.



Package Weight List

(Single weights of Products, materials data see Product Content Sheet on previous page)

Package family	QLPp					
Date	28/Sep/2006					
Version	RoHS					
Uspec short*)	Package family*)	Package	Internal package code	Pin count	Weight [grams]	Remark
		7x7x0.85 QLPp	QLPp 48	48	0.169899 g	Device: CC2420

*) USpec short name and Package family are optional, e.g. for summary of several package weight lists

Company	Texas Instruments Norway
Address	Gaustadalleen 21, 0349 Oslo, Norway
Support	http://www-k.ext.ti.com/sc/technical-support/pic/euro.htm
Internet	www.ti.com

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