



Material Content Data Sheet



Sales Product Name				PTRA082808NF V1 R5		Issued		25. January 2018	
MA#				MA001656340					
Package				PG-HBSOF-6-2		Weight*		3176.08 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	non noble metal	tin	7440-31-5	0.013	0.00		4		
	noble metal	gold	7440-57-5	0.049	0.00		16		
	inorganic material	silicon	7440-21-3	0.404	0.01	0.01	127	147	
chip_10	non noble metal	tin	7440-31-5	0.112	0.00		35		
	noble metal	gold	7440-57-5	0.435	0.01		137		
	inorganic material	silicon	7440-21-3	3.035	0.10	0.11	955	1127	
chip_2	non noble metal	tin	7440-31-5	0.013	0.00		4		
	noble metal	gold	7440-57-5	0.049	0.00		16		
	inorganic material	silicon	7440-21-3	0.404	0.01	0.01	127	147	
chip_3	non noble metal	tin	7440-31-5	0.049	0.00		15		
	noble metal	gold	7440-57-5	0.190	0.01		60		
	inorganic material	silicon	7440-21-3	1.244	0.04	0.05	391	466	
chip_4	non noble metal	tin	7440-31-5	0.033	0.00		10		
	noble metal	gold	7440-57-5	0.129	0.00		41		
	inorganic material	silicon	7440-21-3	0.823	0.03	0.03	259	310	
chip_5	non noble metal	tin	7440-31-5	0.033	0.00		10		
	noble metal	gold	7440-57-5	0.129	0.00		41		
	inorganic material	silicon	7440-21-3	0.823	0.03	0.03	259	310	
chip_6	non noble metal	tin	7440-31-5	0.033	0.00		10		
	noble metal	gold	7440-57-5	0.129	0.00		41		
	inorganic material	silicon	7440-21-3	0.823	0.03	0.03	259	310	
chip_7	non noble metal	tin	7440-31-5	0.033	0.00		10		
	noble metal	gold	7440-57-5	0.129	0.00		41		
	inorganic material	silicon	7440-21-3	0.823	0.03	0.03	259	310	
chip_8	non noble metal	tin	7440-31-5	0.005	0.00		1		
	noble metal	gold	7440-57-5	0.018	0.00		6		
	inorganic material	silicon	7440-21-3	0.117	0.00	0.00	37	44	
chip_9	non noble metal	tin	7440-31-5	0.005	0.00		1		
	noble metal	gold	7440-57-5	0.018	0.00		6		
	inorganic material	silicon	7440-21-3	0.117	0.00	0.00	37	44	
leadframe	inorganic material	phosphorus	7723-14-0	0.136	0.00		43		
	non noble metal	zinc	7440-66-6	0.545	0.02		172		
	non noble metal	iron	7439-89-6	10.909	0.34		3431		
	non noble metal	copper	7440-50-8	442.945	13.93	14.29	139312	142958	
wire	noble metal	gold	7440-57-5	10.050	0.32	0.32	3161	3161	
encapsulation	organic material	carbon black	1333-86-4	2.846	0.09		895		
	plastics	epoxy resin	-	111.011	3.49		34914		
	inorganic material	silicondioxide	60676-86-0	834.957	26.26	29.84	262605	298414	
leadfinish	non noble metal	tin	7440-31-5	28.098	0.88	0.88	8837	8837	
plating	noble metal	silver	7440-22-4	12.471	0.39	0.39	3922	3922	
heat spreader	inorganic material	phosphorus	7723-14-0	0.515	0.02		162		
	non noble metal	iron	7439-89-6	1.715	0.05		539		
	non noble metal	copper	7440-50-8	1713.102	53.91	53.98	538792	539493	
*deviation	< 10%		Sum in total:		100.00		1000000		

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