

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
M24128S-FCU6T/T	P7PT*3S285TA	A	9989	2015-08-27
Amount		UoM	Unit type	ST ECOPACK Grade
0.39		mg	Each	ECOPACK® 2

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		
NAC	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Tin/Silver/Copper (SAC305)	NAC	NAC		



Package Designator	Size	Nbr of instances	Shape	
BGA	NAC	4	No lead	
Comment	WLCSP with BSC			

QueryList : ROHS directive 2011/65/EU _ July 2011	
Query	Response
Product(s) meets EU RoHS requirement without any exemptions	true
Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply)	false
Product(s) meets EU RoHS requirements by application of the selected exemption(s)	false
Product(s) does not meet EU RoHS requirements and is not under exemptions	false
Product(s) is obsolete, no information is available	false
Product(s) is unknown, no information is available	false
Exemption Id.	Description

QueryList : REACH-16th June 2014				
Query				Response
The product does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH				true
CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product

Material Composition Declaration						Mfr Item Name	P7PT*3S285TA					
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or Dies	Other inorganic materials	0.3310	mg	supplier	die	Silicon (Si)	7440-21-3		0.3120	mg	942598	794904
Die or Dies				supplier	metallization	Aluminium (Al)	7429-90-5		0.0020	mg	6042	5096
Die or Dies				supplier	passivation	Silicon Nitride (SiN)	68034-42-4		0.0010	mg	3021	2548
Die or Dies				supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.0160	mg	48338	40764
PI1-HD4100	Other inorganic materials	0.0042	mg	supplier	Plastics/polymers	PD-9 Resin	Proprietary		0.0030	mg	714286	7643
PI1-HD4100				supplier	Plastics/polymers	Trifluoroacetic Anhydride	407-25-0		0.0002	mg	47619	510
PI1-HD4100				supplier	Plastics/polymers	Tetraethylene Glycol Dimethacrylate	109-17-1		0.0006	mg	142857	1529
PI1-HD4100				supplier	Plastics/polymers	4,4'-Oxydipthalic Anhydride	1823-59-2		0.0002	mg	47619	510
PI1-HD4100				supplier	Plastics/polymers	2-Hydroxyethyl Methacrylate	868-77-9		0.0002	mg	47619	510
PI2-HD4100	Other inorganic materials	0.0031	mg	supplier	Plastics/polymers	PD-9 Resin	Proprietary		0.0020	mg	645161	5096
PI2-HD4100				supplier	Plastics/polymers	Trifluoroacetic Anhydride	407-25-0		0.0002	mg	64516	510
PI2-HD4100				supplier	Plastics/polymers	Tetraethylene Glycol Dimethacrylate	109-17-1		0.0005	mg	161290	1274
PI2-HD4100				supplier	Plastics/polymers	4,4'-Oxydipthalic Anhydride	1823-59-2		0.0002	mg	64516	510
PI2-HD4100				supplier	Plastics/polymers	2-Hydroxyethyl Methacrylate	868-77-9		0.0002	mg	64516	510
RDL-Ti Target	Other inorganic materials	0.0001	mg	supplier	Alloy	Titanium	7440-32-6		0.0001	mg	1000000	255
RDL-AlCu Target	Other inorganic materials	0.0008	mg	supplier	Alloy	Aluminium	7429-90-5		0.0008	mg	975610	2038
RDL-AlCu Target				supplier	Alloy	Copper	7440-50-8		0.0000	mg	24390	51
UBM-Ti Target	Other inorganic materials	0.0001	mg	supplier	Alloy	Titanium	7440-32-6		0.0001	mg	1000000	127
UBM-NiV Target	Other inorganic materials	0.0003	mg	supplier	Alloy	Nickel	7440-02-0		0.0003	mg	909091	764
UBM-NiV Target				supplier	Alloy	Vanadium	7440-62-2		0.0000	mg	90909	76
UBM-Cu Anode	Other inorganic materials	0.0010	mg	supplier	Alloy	Copper	7440-50-8		0.0010	mg	1000000	2548
Solder Ball-SACN125	Other inorganic materials	0.0519	mg	supplier	Alloy	Tin	7440-31-5		0.0510	mg	982091	129936
Solder Ball-SACN125				supplier	Alloy	Silver	7440-22-4		0.0006	mg	11554	1529
Solder Ball-SACN125				supplier	Alloy	Copper	7440-50-8		0.0003	mg	5777	764
Solder Ball-SACN125				supplier	Alloy	Nickel	7440-02-0		0.0000	mg	578	76