

Texas Instruments Inc.				Data As of: Oct 25, 2023, 1:34:06 PM			
Search Results for: SMF28335GBS				Spec Device: SMF28335GBS			
Current Production Information							
TI Part Number:		SM320F28335GBS		Assembly Site:		Ext - Mfg	
Lead/Ball Finish:		NiAu		Package Type / Pins:		GB181	
Planned Lead/Ball Finish:		NiAu		Package Body Size (WxLxH) mm:		40.4 x 40.4 x 3.4	
MSL / Reflow Ratings:		N/A		Total Device Mass (mg):		16725.258	
Environmental Ratings Information							
RoHS & High-Temp Compliant:				Y		Green Compliant:	
				Y			
Component Information							
Component	Substance	CAS Number	Amount (mg)	Homogeneous Material Level Percentage %	ppm	Component Level Percentage %	ppm
Bond Wire							
Aluminum and Its Alloys	Aluminum	7429-90-5	0.150648	99	990000	0.0009	9
Other Inorganic Materials	Silicon	7440-21-3	0.001313	1	10000	0	0
Sub-Total			0.151961	100	1000000	0.0009	9
Die Attach Adhesive							
Other Plastics and Rubber	Other Filler		0.036093	0.5	5000	0.0002	2
Precious Metals	Silver	7440-22-4	5.774953	80	800000	0.0345	345
Thermoplastics	Epoxy	85954-11-6	1.407645	19.5	195000	0.0084	84
Sub-Total			7.218692	100	1000000	0.0432	432
Header - Braze							
Copper and Its Alloys	Copper	7440-50-8	20.36265	15	150000	0.1217	1217
Precious Metals	Silver	7440-22-4	115.38835	85	850000	0.6899	6899
Sub-Total			135.751	100	1000000	0.8117	8117
Header - Ceramic							
Magnesium and Its Alloys	Magnesium Oxide	1309-48-4	69.58779	0.5	5000	0.4161	4161
Other Inorganic Materials	Aluminum Oxide	1344-28-1	12595.38999	90.5	905000	75.3076	753076
Other Inorganic Materials	Silicon Dioxide	7631-86-9	489.898042	3.52	35200	2.9291	29291
Other Nonferrous Metals and Alloys	Calcium Oxide	1305-78-8	84.897104	0.61	6100	0.5076	5076
Other Nonferrous Metals and Alloys	Chromium Oxide	1308-38-9	538.609495	3.87	38700	3.2203	32203
Other Nonferrous Metals and Alloys	Titanium Dioxide	13463-67-7	139.17558	1	10000	0.8321	8321
Sub-Total			139.17558	100	1000000	83.2128	832128
Header - Pin							
Copper and Its Alloys	Iron	7439-89-6	651.02778	54	540000	3.8925	38925
Nickel and Its Alloys	Nickel	7440-02-0	349.62603	29	290000	2.0904	20904
Other Nonferrous Metals and Alloys	Cobalt	7440-48-4	204.95319	17	170000	1.2254	12254
Sub-Total			1205.607	100	1000000	7.2083	72083
Header - Plating							
Nickel and Its Alloys	Nickel	7440-02-0	35.47888	37.0278	370278	0.2121	2121
Other Nonferrous Metals and Alloys	Cobalt	7440-48-4	3.08512	3.2198	32198	0.0184	184
Other Nonferrous Metals and Alloys	Thallium	7440-28-0	0.001145	0.0012	12	0	0
Precious Metals	Gold	7440-57-5	57.251855	59.7512	597512	0.3423	3423
Sub-Total			95.817	100	1000000	0.5729	5729
Header - Routing							
Other Nonferrous Metals and Alloys	Molybdenum	7439-98-7	3.65601	1	10000	0.0219	219
Other Nonferrous Metals and Alloys	Tungsten	7440-33-7	361.94499	99	990000	2.1641	21641
Sub-Total			365.601	100	1000000	2.1859	21859
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Aluminum and Its Alloys	Aluminum	7429-90-5	0.078015	0.008	80	0.0005	5
Copper and Its Alloys	Copper	7440-50-8	1.072709	0.11	1100	0.0064	64
Copper and Its Alloys	Iron	7439-89-6	520.624685	53.387	533870	3.1128	31128
Magnesium and Its Alloys	Magnesium	7439-95-4	2.535494	0.26	2600	0.0152	152
Nickel and Its Alloys	Nickel	7440-02-0	289.826468	29.72	297200	1.7329	17329
Other Inorganic Materials	Silicon	7440-21-3	0.009752	0.001	10	0.0001	1
Other Nonferrous Metals and Alloys	Chromium	7440-47-3	0.097519	0.01	100	0.0006	6
Other Nonferrous Metals and Alloys	Cobalt	7440-48-4	160.808831	16.49	164900	0.9615	9615
Other Nonferrous Metals and Alloys	Manganese	7439-96-5	0.009752	0.001	10	0.0001	1
Other Nonferrous Metals and Alloys	Molybdenum	7439-98-7	0.097519	0.01	100	0.0006	6
Other Nonferrous Metals and Alloys	Titanium	7440-32-6	0.019504	0.002	20	0.0001	1
Other Plastics and Rubber	Carbon	7440-44-0	0.009752	0.001	10	0.0001	1
Sub-Total			975.19	100	1000000	5.8306	58306
Semiconductor Device							
Ceramics / Glass	Silicon	7440-21-3	22.363338	100	1000000	0.1337	1337
Sub-Total			22.363338	100	1000000	0.1337	1337
Total			16725.258	100	1000000	100	1000000