

GSX-315 - SM Watch Crystal					
Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Base	Ceramic	Al2O3	1344-28-1	7.513	36.82
	Ceramic	Au	7440-57-5	0.061	0.30
	Ceramic	CaO	1305-78-8	0.054	0.26
	Ceramic	Co	7440-48-4	0.122	0.60
	Ceramic	Cr2O3 (Non hex)	1308-38-9	0.057	0.28
	Ceramic	MgO	1309-48-4	0.050	0.25
	Ceramic	Mo	7439-98-7	0.120	0.59
	Ceramic	Ni	7440-02-0	0.487	2.39
	Ceramic	SiO2	14808-60-7	0.367	1.80
	Ceramic	W	7440-33-7	1.371	6.72
	Ceramic	Al2O3	1344-28-1	7.513	36.82
	Ceramic	SiO2	14808-60-7	0.367	1.80
	Ceramic	CaO	1305-78-8	0.054	0.26
	Ceramic	MgO	1309-48-4	0.050	0.25
	Ceramic	Cr2O3 (Non hex)	1308-38-9	0.057	0.28
	Ceramic	Mo	7439-98-7	0.120	0.59
	Ceramic	W	7440-33-7	1.371	6.72
	Ceramic	Ni	7440-02-0	0.487	2.39
	Ceramic	Co	7440-48-4	0.122	0.60
	Ceramic	Au	7440-57-5	0.061	0.30
	Ceramic	Ti	7440-32-6	0.000	0.00
Crystal Blank	Quartz	SiO2	14808-60-7	0.187	100.00
Crystal Blank (TUNING)	Quartz	SiO2	14808-60-7	0.187	100.00
Electrode	Electrode	Au	7440-57-5	0.003	30.00
	Electrode	Cr	7440-47-3	0.000	0.00
	Electrode	Ag	7440-22-4	0.002	20.00
	Metal	Ag	7440-22-4	0.002	20.00
	Metal	Au	7440-57-5	0.003	30.00
Getter	Silicone Resin	Silicon Resin	7631-86-9	0.130	70.27
	Silicone resin	dimethyl adipate	627-93-0	0.052	28.11
	Silicone resin	N- methyl- 2- pyrrolidone	872-50-4	0.003	1.62
Lid	Cu	Cu	7440-50-8	0.812	19.97
	Kovar	Co	7440-48-4	0.228	5.61
	Kovar	Fe	7439-89-6	0.736	18.10
	Kovar	Mn	7439-96-5	0.003	0.07
	Kovar	Ni	7440-02-0	0.408	10.03
	Kovar	Si	7440-21-3	0.001	0.02
	Kovar	Fe	7439-89-6	0.736	18.10
	Kovar	Ni	7440-02-0	0.408	10.03
	Kovar	Co	7440-48-4	0.228	5.61
	Kovar	Mn	7439-96-5	0.003	0.07
	Kovar	Si	7440-21-3	0.001	0.02

Material Composition Data



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Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Lid	Ni	Ni	7440-02-0	0.130	3.20
	plate	Ag	7440-22-4	0.268	6.59
	plate	Cu	7440-50-8	0.104	2.56
Nickel	Nickel	Ni	7440-02-0	0.130	100.00
Silver Glue	Silicone Resin	Ag	7440-22-4	0.021	7.42
	Silicone Resin	n-Tridecane	629-50-5	0.012	4.24
	Silicone Resin	Silicon Resin	7631-86-9	0.012	4.24
	Silicone Resin	SiO2	14808-60-7	0.002	0.71
	Silicone resin	Ag	7440-22-4	0.210	74.20
	Silicone resin	Silicon Resin	7631-86-9	0.012	4.24
	Silicone resin	n-Tridecane	629-50-5	0.012	4.24
	Silicone resin	SiO2	14808-60-7	0.002	0.71
Total Mass:				25.452 mg	

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