

## MQ5 / UM5 - Material Declaration

Total Weight: 275 mg



RoHS compliant



Pb free



REACH compliant



Part name	Mass / mg	ZSB-component	Material	CAS	Mass / mg	Percentage / %
Crystal blank	3.1	Synt. Quartz crystal	SiO <sub>2</sub>	14808-60-7	3.11	1.13
Base	92.2	Steel alloyed	Iron	7439-89-6	91.83	33.39
			Carbon	7440-44-0	0.06	0.02
			Molybdenum	7439-98-7	0.04	0.01
		Nickel plating	Nickel	7440-02-0	0.28	0.10
		Gold plating	Gold	7440-57-5	0.01	0.00
Holder Terminal	5.1	Nickel Silver	Nickel	7440-02-0	0.90	0.33
			Copper	7440-50-8	2.80	1.02
			Zinc	7440-66-6	1.39	0.50
Glass	2.5	Glass	Silicon dioxide	7631-86-9	2.18	0.80
		Alumina	Aluminium oxide	1344-28-1	0.25	0.09
		Barium oxide	BaO	1304-28-5	0.11	0.04
Pins	21.2	Kovar	Iron	7439-89-6	11.48	4.14
			Nickel	7440-02-0	6.08	2.21
			Kobalt	7440-48-4	3.56	1.30
		Nickel plating	Nickel	7440-02-0	0.06	0.02
		Gold plating (0.06µm min)	Gold	7440-57-5	0.01	0.00
Cap	148.5	Nickel Silver	Nickel	7440-02-0	26.52	9.53
			Copper	7440-50-8	81.62	29.7
			Zinc	7440-66-6	40.31	14.8
Electrode	0.2	Silver	Ag	7440-22-4	0.17	0.06
Conductive Bond	2.2	Silver	Ag	7440-22-4	1.78	0.65
		Epoxy	Epoxy Resin	proprietary	0.45	0.16
<b>Total:</b>	<b>275.0</b>					<b>100,00</b>

