

## MQ5 / UM5 - Material Declaration

Total Weight: 275 mg



RoHS compliant



Pb free



REACH compliant



Part name	Mass / mg	ZSB-component	Material	Mass / mg	Percentage / %
Crystal blank	3.1	Synt. Quartz crystal	SiO <sub>2</sub>	3.11	1.13
Base	92.2	Steel alloyed	Iron	91.83	33.39
			Carbon	0.06	0.02
			Molybdenum	0.04	0.01
		Nickel plating	Nickel	0.28	0.10
		Gold plating	Gold	0.01	0.00
Holder Terminal	5.1	Nickel Silver	Nickel	0.90	0.33
			Copper	2.80	1.02
			Zinc	1.39	0.50
Glass	2.5	Glass	Silicon dioxide	1.70	0.62
		Alumina	Aluminium oxide	0.25	0.09
		Boron oxide	B <sub>2</sub> O <sub>3</sub>	0.48	0.18
		Barium oxide	BaO	0.11	0.04
Pins	21.2	Kovar	Iron	11.48	4.14
			Nickel	6.08	2.21
			Kobalt	3.56	1.30
		Nickel plating	Nickel	0.06	0.02
		Gold plating (0.06µm min)	Gold	0.01	0.00
Cap	148.5	Nickel Silver	Nickel	26.52	9.53
			Copper	81.62	29.7
			Zinc	40.31	14.8
Electrode	0.2	Silver	Ag	0.17	0.06
Conductive Bond	2.2	Silver	Ag	1.78	0.65
		Epoxy	Epoxy Resin	0.45	0.16
<b>Total:</b>	<b>275.0</b>				<b>100,00</b>