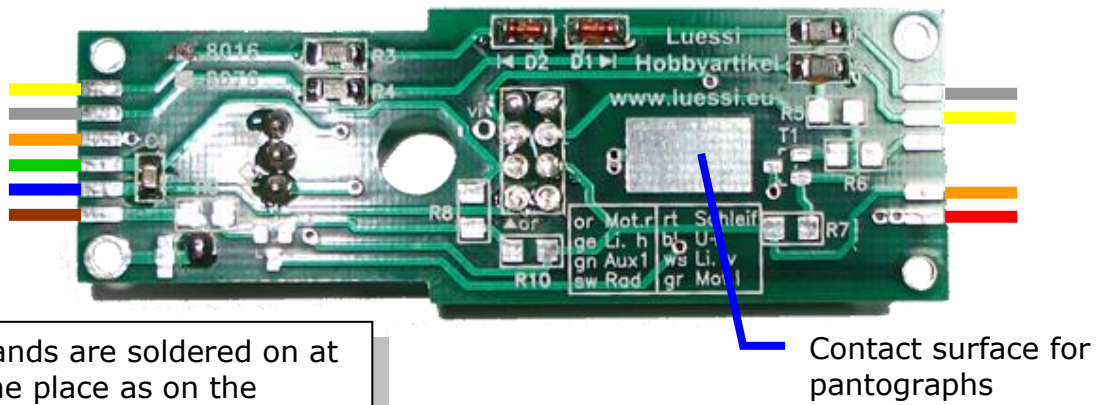
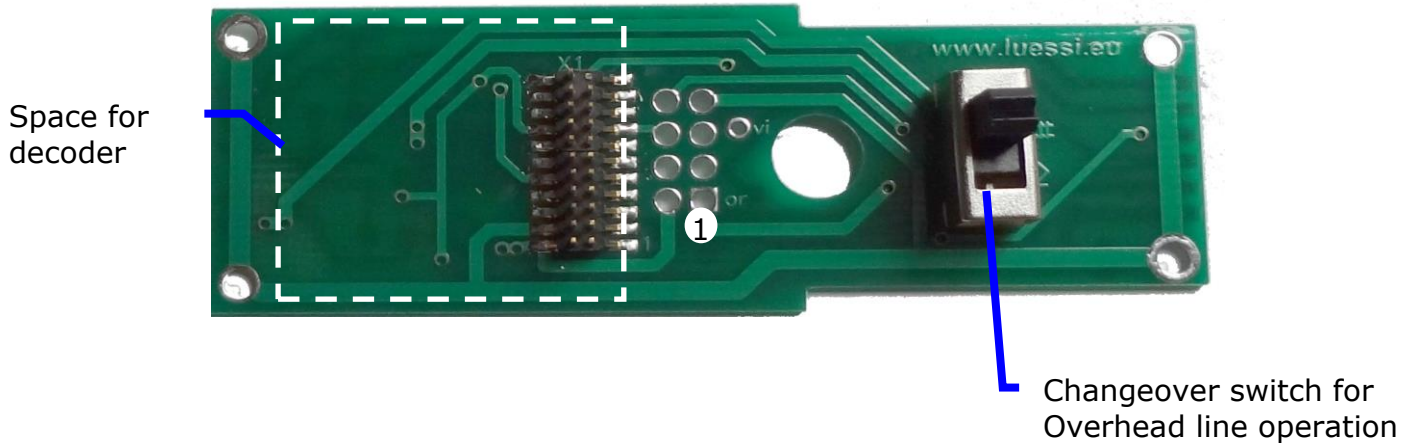


PCB for decoder installation in Märklin Re 4/4, item no. 8016mtc



The strands are soldered on at the same place as on the original decoder. (The stranded wire colours in the locomotive are according to Märklin).

Pin assignment of the 21mtc interface

Hallsensor 1	1	22	Red	Schleifer, Pantograf
Hallsensor 2	2	21	Brown	Räder, Masse
Hallsensor 3	3	20	Purple	DC (-) Funktionen
Aux 4	4	19	Green	Motor +
Zugbus Clock	5	18	Blue	Motor -
Zugbus Data	6	17		Motor (3)
Licht hinten	7	16	Orange	DC (+) Funktionen
Licht vorne	8	15	Brown/Red	Aux. 1 (F1)
Lautsprecher 2	9	14	Brown/Green	Aux. 2 (F2)
Lautsprecher 1	10	13	Brown/Yellow	Aux. 3 (F3)
Verdrehschutz	⊗	12		Vcc +5V Prozessor