TwoBitFour2OneMUX:MUX0

SW[9..0]

9:8	ss[1..0]
1:0	uu[1..0]
7:6	vv[1..0]
5:4	ww[1..0]
3:2	xx[1..0]

mm[1..0]

DE10:HEX00

c[1..0]   HEXn[0..6]   HEX0[0..6]

TwoBitFour2OneMUX:MUX1

9:8	ss[1..0]
3:2	uu[1..0]
1:0	vv[1..0]
7:6	ww[1..0]
5:4	xx[1..0]

mm[1..0]

DE10:HEX01

c[1..0]   HEXn[0..6]   HEX1[0..6]

TwoBitFour2OneMUX:MUX2

9:8	ss[1..0]
5:4	uu[1..0]
3:2	vv[1..0]
1:0	ww[1..0]
7:6	xx[1..0]

mm[1..0]

DE10:HEX02

c[1..0]   HEXn[0..6]   HEX2[0..6]

TwoBitFour2OneMUX:MUX3

9:8	ss[1..0]
7:6	uu[1..0]
5:4	vv[1..0]
3:2	ww[1..0]
1:0	xx[1..0]

mm[1..0]

DE10:HEX03

c[1..0]   HEXn[0..6]   HEX3[0..6]