

Ps_wlstx = 2

Ps_wlcd = 40

(1)

Ps_wllhigh = (Ps_led >> 4) + 224

Ps_wletx = 3

T

T

T

T

(T)

%V2005.B = 0x2

%V2006.B = 0x28

%V2008.B = (%V200c.B >> 0x4) + 0xe0

%V200b.B = 0x3

Ps_wlchh = ((Ps_wlllow ^ Ps_wllhigh ^ 68) >> 4) + 224

(2)

T

(T)

%V2009.B = ((%V2007.B ^ %V2008.B ^ 0x44) >> 0x4) + 0xe0

(1) %V2007.B = (%V200c.B & 0xf) + 0xe0 : Ps_wlllow = (Ps_led & 15) + 224

(2) %V200a.B = ((%V2007.B ^ %V2008.B ^ 0x44) & 0xf) + 0xe0 : Ps_wlchl = ((Ps_wlllow ^ Ps_wllhigh ^ 68) & 15) + 224

(1)

(T)

Ps_stato != 9

TON_2e(500)

Ps_error

]>[

E

Q

(S)

%V2003.W != 0x9

%V202c.0

E_raz

Ps_error

] [

(R)

%R3.0

%V202c.0

(1) comin(0x1, %V2050.&, 0xd) : comin(1, Psp_rstx.&, 13)

[T] TON_2e(0x1f4) : TON_2e(500)

Errore linea seriale pigna

Errore linea seriale pigna

02 Label: Step:

Azzeramento variabili in caso di errore seriale

Ps_error
] [
%V202c.0

Ps_cuffia.W = 0
(T)
%V202a.W = 0x0

Ps_selax = 0
(T)
%V202d.B = 0x0

Ps_pot1 = 0
(T)
%V202e.B = 0x0

Ps_pot2 = 0
(T)
%V202f.B = 0x0

Ps_stato = 0
(T)
%V2003.W = 0x0

03 Label: Step: Ps_stato %V2003.W = 0

Assegnazioni variabili

Ps_wstx = 2
T
%V2000.B = 0x2

Ps_wetx = 3
(T)
%V2002.B = 0x3

Ps_stato = 1
(T)
%V2003.W = 0x1

goto(FINE)
(T)

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04 Label: Step: **Ps_stato** %V2003.W = 1

Richiesta valore potenziometri



05 Label: Step: **Ps_stato** %V2003.W = 2

Calcolo checksum



(1) %V205d.B = %V2052.B ^ %V2053.B ^ %V2056.B ^ %V2057.B ^ 0x44 : Psp_cheksum = Psp_rllow ^ Psp_rlhigh ^ Psp_r3low ^ Psp_r3high ^ 68
(2) %V205e.B = (%V205d.B >> 0x4) + 0xe0 : Psp_ch_h = (Psp_cheksum >> 4) + 224
(3) %V205f.B = (%V205d.B & 0xf) + 0xe0 : Psp_ch_l = (Psp_cheksum & 15) + 224

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06 Label: Step: Ps_stato %V2003.W = 2

Verifica checksum

(1)
] > [

Psp_ch_l == Psp_cklow
%V205f.B == %V205a.B

Ps_stato = 3
(T)
%V2003.W = 0x3

Ps_stato = 1
(F)
%V2003.W = 0x1

goto(FINE)
(T)

(1) %V205e.B == %V205b.B : Psp_ch_h == Psp_ckhigh

07 Label: Step: Ps_stato %V2003.W = 3

Ricavo valore potenziometro assi

(1)
(T)

(2)
(T)

(3)
(T)

(4)
(T)

(1) %V201f.B = %V2053.B - 0xe0 : Ps_ptlhigh = Psp_rlhigh - 224
(2) %V201d.B = %V2052.B - 0xe0 : Ps_ptllow = Psp_rllow - 224
(3) %V2020.W = %V201f.W >> 0x4 : Ps_ptlapp = Ps_ptlhigh.W >> 4
(4) %V202e.B = %V2021.B + %V201d.B : Ps_potl = %V2021.B + Ps_ptllow

08 Label: Step: Ps_stato %V2003.W = 3

Ricavo valore potenziometro mandrino

	(1)
	(T)
	(2)
	(T)
	(3)
	(T)
	(4)
	(T)
	Ps_stato = 4
	(T)
	%V2003.W = 0x4
	goto(FINE)
	(T)

(1) %V2024.B = %V2057.B - 0xe0 : Ps_pt2high = Psp_r3high - 224
(2) %V2022.B = %V2056.B - 0xe0 : Ps_pt2low = Psp_r3low - 224
(3) %V2025.W = %V2024.W >> 0x4 : Ps_pt2app = Ps_pt2high.W >> 4
(4) %V202f.B = %V2026.B + %V2022.B : Ps_pot2 = %V2026.B + Ps_pt2low

09 Label: Step: Ps_stato %V2003.W = 4

Richiesta stato tastiera a membrana

	Ps_wcodreq = 33
	(T)
	%V2001.B = 0x21
	comout(1, Ps_wstx.&, 3)
	(T)
	comout(0x1, %V2000.&, 0x3)
	Ps_stato = 5
	(T)
	%V2003.W = 0x5
	goto(FINE)
	(T)

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Calcolo checksum

```
(1) %V205d.B = %V2052.B ^ %V2053.B ^ %V2054.B ^ %V2055.B ^ 0x44      :    Psp_cheksum = Psp_rllow ^ Psp_rlhigh ^ Psp_r2low ^ Psp_r2high ^ 68
(2) %V205e.B = (%V205d.B >> 0x4) + 0xe0      :    Psp_ch_h = (Psp_cheksum >> 4) + 224
(3) %V205f.B = (%V205d.B & 0xf) + 0xe0      :    Psp_ch_l = (Psp_cheksum & 15) + 224
```

Verifica checksum

```
(1) %V205e.B == %V2057.B      :    Psp_ch_h == Psp_r3high
```

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12 Label: Step: Ps_stato %V2003.W = 6

Ricavo stato tasti a membrana

Psp_rllow.0	Psp_start	Start ciclo
] [()	
%V2052.0	%V202a.0	
Psp_rllow.1	Psp_blsbl	Sblocco/Blocco utensile
] [()	
%V2052.1	%V202a.1	
Psp_rllow.2	Psp_f3	F3
] [()	
%V2052.2	%V202a.2	
Psp_rllow.3	Psp_meno	Meno
] [()	
%V2052.3	%V202a.3	
Psp_rlhigh.0	Psp_stop	Stop
] [()	
%V2053.0	%V202a.4	
Psp_rlhigh.1	Psp_f1	F1
] [()	
%V2053.1	%V202a.5	

13 Label: Step: Ps_stato %V2003.W = 6

Ricavo stato tasti a membrana

Psp_rlhigh.2	Psp_f4	F4
] [()	
%V2053.2	%V202a.6	
Psp_rlhigh.3	Psp_cuffia	Sollevamento cuffia elettromandr
] [()	
%V2053.3	%V202a.7	
Psp_r2low.0	Psp_piu	Più
] [()	
%V2054.0	%V202b.0	
Psp_r2low.1	Psp_f2	F2
] [()	
%V2054.1	%V202b.1	
Psp_r2low.2	Psp_f5	F5
] [()	
%V2054.2	%V202b.2	
Psp_r2low.3	Psp_f6	F6
] [()	
%V2054.3	%V202b.3	

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14 Label: Step: Ps_stato %V2003.W = 6

	P_s_stato = 7
	(T)
	%V2003.W = 0x7
	goto(FINE)
	(T)

15 Label: Step: Ps_stato %V2003.W = 7

Richiesta stato selettori e commutatore assi

	<pre> Ps_wcodreq = 34 (T) %V2001.B = 0x22 comout(1, Ps_wstx.&, 3) (T) comout(0x1, %V2000.&, 0x3) </pre>
	<pre> Ps_stato = 8 (T) %V2003.W = 0x8 goto(FINE) (T) </pre>

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16 Label:Step: Ps_stato %V2003.W = 8

Calcolo checksum



```
(1) %V205d.B = %V2052.B ^ %V2053.B ^ %V2054.B ^ %V2055.B ^ %V2056.B ^ %V2057.B ^ 0x44      :      Psp_cheksum = Psp_r1low ^ Psp_rlhigh ^ Psp_r2low ^ Psp_r2high ^
    Psp_r3low ^ Psp_r3high ^ 68
(2) %V205e.B = (%V205d.B >> 0x4) + 0xe0      :      Psp_ch_h = (Psp_cheksum >> 4) + 224
(3) %V205f.B = (%V205d.B & 0xf) + 0xe0      :      Psp_ch_l = (Psp_cheksum & 15) + 224
```

17 Label:Step: Ps_stato %V2003.W = 8

Verifica checksum



```
(1) %V205e.B == %V2059.B      :      Psp_ch_h == Psp_r4high
```

18 Label: Step: Ps_stato %V2003.W = 9

Ricavo stato selettori e commutatori assi

			(1)	
			(T)	
Psp_r3low.0		Psp_f7	F7	
] [()	
%V2056.0			%V202b.4	
Psp_r3low.1		Psp_f8	F8	
] [()	
%V2056.1			%V202b.5	
Psp_r2low.1	Psp_r2low.0	Psp_nomode	No mode	
] [()	
%V2054.1 %V2054.0			%V202b.7	
Psp_r2low.0	Psp_r2low.1	Psp_noedit	No edit	
] [()	
%V2054.0 %V2054.1			%V202b.6	

(1) %V202d.B = %V2052.B - 0xe0 : Ps_selax = Psp_rllow - 224

19 Label: Step: Ps_stato %V2003.W = 9

			Psp_stato = 10	
			(T)	
			%V2003.W = 0xa	
			goto(FINE)	
			(T)	

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20 Label: Step: Ps_stato %V2003.W = 10

Scrittura stato led



(1) comout(0x1, %V2005.&, 0x7) : comout(1, Ps_wlstx.&, 7)

21 Label: FINE Step:

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