

**Checklist of SPS US\_CNTRLR**

List of connectors in the package  
 1.CMDCON1,CMDCON2=50M  
 2.CMDBAR1,CMDBAR2=50F

**9.1.4 US-CNTRL-3**

Sl no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
1	CMDBAR1-37 wrt CMDCON2-37	DBA_PY_H_TM2 & DBA_PY_H_TM1	4kΩ ± 2%	4.001kΩ	4.000kΩ
2	CMDCON2-38 wrt CMDCON1-47	DBA_PY_L_TM1 & AGND	2kΩ ± 2%	2.000kΩ	2.000kΩ
3	CMDBAR1-38 wrt CMDCON1-47	DBA_PY_L_TM2 & AGND	2kΩ ± 2%	2.000kΩ	2.000kΩ
4	CMDCON2-38 & CMDBAR1-38	DBA_PY_L_TM1 & DBA_PY_L_TM2	4kΩ ± 2%	4.001kΩ	4.001kΩ
5	CMDCON2-34 wrt CMDCON2-42	VCC & MON5V_H_TM1	1.35kΩ ± 5%	1.372kΩ	1.372kΩ
6	CMDCON2-34 wrt CMDBAR1-46	VCC & MON5V_H_TM2	1.35kΩ ± 5%	1.372kΩ	1.372kΩ
7	CMDCON2-42 wrt CMDCON2-43	MON5V_H_TM1 wrt MON5V_L_TM1	1.21kΩ ± 5%	1.222kΩ	1.222kΩ
8	CMDBAR1-46 wrt CMDBAR1-47	MON5V_H_TM2 wrt MON5V_L_TM2	1.21kΩ ± 5%	1.222kΩ	1.222kΩ
9	CMDCON1-37 wrt CMDCON1-38	+5.25V_In	<100mΩ	8mΩ	8mΩ
10	CMDCON1-37 wrt CMDCON1-39	+5.25V_In	<100mΩ	8mΩ	9mΩ
11	CMDCON1-37 wrt CMDCON1-40	+5.25V_In	<100mΩ	8mΩ	9mΩ
12	CMDCON1-45 wrt CMDCON1-46	+15V_In	<100mΩ	8mΩ	10mΩ
13	CMDCON1-49 wrt CMDCON1-50	-15V_In	<100mΩ	7mΩ	7mΩ
14	CMDCON2-44 wrt CMDBAR1-44	DBA_VL_H_TM1 wrt DBA_VL_H_TM2	4kΩ ± 2%	4.000kΩ	4.000kΩ
15	CMDCON2-45 wrt CMDCON1-47	DBA_VL_L_TM1 wrt GND	2kΩ ± 2%	2.000kΩ	2.000kΩ
16	CMDBAR1-45 wrt CMDCON1-47	DBA_VL_L_TM2 wrt AGND	2kΩ ± 2%	2.000kΩ	2.000kΩ
17	CMDCON2-45 wrt CMDBAR1-45	DBA_VL_L_TM1 wrt DBA_VL_L_TM2	4kΩ ± 2%	4.001kΩ	4.001kΩ
18	CMDCON1-42 wrt CMDCON1-43	GND	<100mΩ	8mΩ	9mΩ
19	CMDCON1-42 wrt CMDCON2-43	GND	<100mΩ	11mΩ	12mΩ
20	CMDCON1-42 wrt CMDBAR1-47	GND	<100mΩ	10mΩ	11mΩ
21	CMDCON1-42 wrt CMDCON2-49	GND	<100mΩ	11mΩ	11mΩ
22	CMDCON1-42 wrt CMDCON2-50	GND	<100mΩ	10mΩ	11mΩ
23	CMDCON1-42 wrt CMDBAR2-49	GND wrt 28V GND	<100mΩ	10mΩ	12mΩ
24	CMDCON1-42 wrt CMDBAR2-50	AGND	<100mΩ	10mΩ	12mΩ
25	CMDCON1-47 wrt CMDCON1-48		<100mΩ	7mΩ	8mΩ
26	CMDCON1-47 wrt CMDBAR1-42	AGND	<100mΩ	44mΩ	45mΩ
27	CMDCON1-47 wrt CMDBAR1-43	AGND	<100mΩ	45mΩ	45mΩ
28	CMDCON1-42 wrt CMDCON1-47	GND wrt AGND	<100mΩ	36mΩ	37mΩ
29	CMDCON1-45 wrt CMDCON1-49	+15V_in wrt -15V_in	Not short	110.235kΩ	110.525kΩ
30	CMDCON1- 45 wrt CMDCON1- 47	+15V_in wrt AGND	Not short	113.478kΩ	113.773kΩ
31	CMDCON1- 47 wrt CMDCON149	AGND wrt -15Vin	Not short	13.757kΩ	13.750kΩ
32	CMDCON2-34 wrt CMDCON1-42	VCC (after OVP) wrt GND	Not short	572.223Ω	571.226Ω
33	CMDCON1- 39 wrt CMDCON1-42	+5.25V_in wrt GND	Not short	4.505kΩ	4.505kΩ
34	CMDCON2-34 wrt CMDCON1-39	VCC (after OVP) wrt +5.25V_in	Not short	4.151kΩ	4.158kΩ
35	All pins with respect to chassis		>100MΩ	>100MΩ	>100MΩ
36	All connector mounting posts wrt chassis		<100mΩ	<100mΩ	<100mΩ