

		Status Mon			
72	PWRP-8 w.r.to CIP-40	5V Rtn& CMD43 EPV 57 Status Mon	<1Ω	275mΩ	275mΩ
73	PWRP-8 w.r.to CIP-41	5V Rtn& CMD58 EPV 186 Status Mon	<1Ω	687mΩ	684mΩ
74	PWRP-8 w.r.to CIP-42	28V Contact Supply	<1Ω	420mΩ	420mΩ
75	PWRP-8 w.r.to CIP-43	28V Contact Supply	<1Ω	404mΩ	403mΩ
76	PWRP-8 w.r.to CIP-44	28V Coil Supply	<1Ω	593mΩ	590mΩ
77	PWRP-8 w.r.to CIP-45	28V Coil Supply	<1Ω	673mΩ	669mΩ
78	PWRP-12 w.r.to PWRR-12	28V Contact Supply	>10MΩ	35.987MΩ	43.188MΩ
79	PWRR-12 w.r.to PWRP-12		>10MΩ	33.730MΩ	40.497MΩ
80	PWRP-9 w.r.to PWRR-9	28V Coil Supply	>100MΩ	>100MΩ	>100MΩ
81	PWRR-9 w.r.to PWRP-9		>100MΩ	>100MΩ	>100MΩ
82	All pin w.r.t Chassis		>100MΩ	>100MΩ	>100MΩ
83	All Connector mounting post wrt chassis		<100mΩ	<100mΩ	<100mΩ

Checklist of SPS CUS_EPV-CUS

EPV-CUS CARD

EPV-CUS CARD					
SL NO	PIN DETAILS	DESCRIPTION	EXPECT ED	OBSERVED	
				ISRC	FSRC
1.	KM1-4 wrt KM1-5	28V Coil Supply-EPV-P	<100mΩ	9mΩ	9mΩ
2.	KM2-4 wrt KM2-5	28V Coil Supply-EPV-R	<100mΩ	8mΩ	9mΩ
3.	KM1-1 wrt KM1-2	28V Contact Supply-EPV-P	<100mΩ	9mΩ	8mΩ
4.	KM2-1 wrt KM2-2	28V Contact Supply-EPV-R	<100mΩ	58mΩ	8mΩ
5.	KM1-8 wrt KM1-9	28V Coil Supply-DRY-P	<100mΩ	9mΩ	9mΩ
6.	KM2-8 wrt KM2-9	28V Coil Supply-DRY-R	<100mΩ	8mΩ	7mΩ
7.	KM1-6 wrt KM1-7	28V Contact Supply RTN-EPV-P	<100mΩ	8mΩ	9mΩ
8.	KM2-6 wrt KM2-7	28V Contact Supply RTN-EPV-R	<100mΩ	9mΩ	8mΩ
9.	KM1-6 wrt KM2-6	28V Contact Supply RTN-EPV-P &R	<100mΩ	16mΩ	15mΩ
10.	KM3-17 wrt KM4-17	5V _INST-Live	<100mΩ	33mΩ	32mΩ
11.	KM3-50 wrt KM4-50	5V _INST-RTN	<100mΩ	37mΩ	35mΩ
12.	KM3-42 wrt KM4-42	28V Contact Supply-DRY1-P	<100mΩ	58mΩ	55mΩ
13.	KM3-43 wrt KM4-43	28V Contact Supply-DRY1-R	<100mΩ	55mΩ	53mΩ
14.	KM3-44 wrt KM4-44	28V Contact Supply-DRY2-P	<100mΩ	56mΩ	55mΩ
15.	KM3-45 wrt KM4-45	28V Contact Supply-DRY2-R	<100mΩ	62mΩ	62mΩ
16.	KM3-46 wrt KM4-46	28V Contact Supply-	<100mΩ		

17.	KM3-47 wrt KM4-47	28V Contact Supply-DRY3-R	<100mΩ	68mΩ	67mΩ
18.	KM3-15 wrt KM3-16	28V Contact Supply-P	<100mΩ	32mΩ	31mΩ
19.	KM4-15 wrt KM4-16	28V Contact Supply-R	<100mΩ	39mΩ	39mΩ
20.	KM3-1 wrt KM4-1	EPV1_ON	<500mΩ	75mΩ	76mΩ
21.	KM3-2 wrt KM4-2	EPV2_ON	<500mΩ	89mΩ	88mΩ
22.	KM3-3 wrt KM4-3	EPV3_ON	<500mΩ	78mΩ	76mΩ
23.	KM3-4 wrt KM4-4	EPV4_ON	<500mΩ	90mΩ	89mΩ
24.	KM3-5 wrt KM4-5	EPV5_ON	<500mΩ	97mΩ	95mΩ
25.	KM3-6 wrt KM4-6	EPV6_ON	<500mΩ	94mΩ	93mΩ
26.	KM3-7 wrt KM4-7	EPV7_ON	<500mΩ	120mΩ	120mΩ
27.	KM3-8 wrt KM4-8	EPV1_OFF	<500mΩ	90mΩ	89mΩ
28.	KM3-9 wrt KM4-9	EPV2_OFF	<500mΩ	94mΩ	93mΩ
29.	KM3-10 wrt KM4-10	EPV3_OFF	<500mΩ	94mΩ	93mΩ
30.	KM3-11 wrt KM4-11	EPV4_OFF	<500mΩ	92mΩ	91mΩ
31.	KM3-12 wrt KM4-12	EPV5_OFF	<500mΩ	88mΩ	88mΩ
32.	KM3-13 wrt KM4-13	EPV6_OFF	<500mΩ	89mΩ	87mΩ
33.	KM3-14 wrt KM4-14	EPV7_OFF	<500mΩ	96mΩ	95mΩ
34.	KM3-18 wrt KM4-18	EPVBAR1_ON	<500mΩ	82mΩ	84mΩ
35.	KM3-19 wrt KM4-19	EPVBAR2_ON	<500mΩ	101mΩ	100mΩ
36.	KM3-20 wrt KM4-20	EPVBAR3_ON	<500mΩ	94mΩ	94mΩ
37.	KM3-21 wrt KM4-21	EPVBAR4_ON	<500mΩ	113mΩ	112mΩ
38.	KM3-22 wrt KM4-22	EPVBAR5_ON	<500mΩ	127mΩ	125mΩ
39.	KM3-23 wrt KM4-23	EPVBAR6_ON	<500mΩ	98mΩ	95mΩ
40.	KM3-24 wrt KM4-24	EPVBAR7_ON	<500mΩ	99mΩ	98mΩ
41.	KM3-25 wrt KM4-25	EPVBAR1_OFF	<500mΩ	79mΩ	78mΩ
42.	KM3-26 wrt KM4-26	EPVBAR2_OFF	<500mΩ	102mΩ	101mΩ
43.	KM3-27 wrt KM4-27	EPVBAR3_OFF	<500mΩ	87mΩ	86mΩ
44.	KM3-28 wrt KM4-28	EPVBAR4_OFF	<500mΩ	102mΩ	102mΩ
45.	KM3-29 wrt KM4-29	EPVBAR5_OFF	<500mΩ	112mΩ	111mΩ
46.	KM3-30 wrt KM4-30	EPVBAR6_OFF	<500mΩ	97mΩ	96mΩ
47.	KM3-31 wrt KM4-31	EPVBAR7_OFF	<500mΩ	126mΩ	124mΩ
48.	KM3-34 wrt KM4-34	DRY1_CMD	<500mΩ		

49.	KM3-35 wrt KM4-35	DRYBAR1_CMD	<500mΩ	97mΩ	97mΩ
50.	KM3-36 wrt KM4-36	DRY2_CMD	<500mΩ	81mΩ	79mΩ
51.	KM3-37 wrt KM4-37	DRYBAR2_CMD	<500mΩ	93mΩ	92mΩ
52.	KM3-38 wrt KM4-38	DRY3_CMD	<500mΩ	95mΩ	94mΩ
53.	KM3-39 wrt KM4-39	DRYBAR3_CMD	<500mΩ	94mΩ	94mΩ
54.	KM3-40 wrt KM4-40	DRY4_CMD	<500mΩ	101mΩ	101mΩ
55.	KM3-41 wrt KM4-41	DRYBAR4_CMD	<500mΩ	100mΩ	99mΩ
56.	KF1-1 wrt KF2-1	EPV1_OUT	<100mΩ	36mΩ	35mΩ
57.	KF1-2 wrt KF2-2	EPV2_OUT	<100mΩ	35mΩ	34mΩ
58.	KF1-3 wrt KF2-3	EPV3_OUT	<100mΩ	37mΩ	37mΩ
59.	KF1-4 wrt KF2-4	EPV4_OUT	<100mΩ	86mΩ	36mΩ
60.	KF1-5 wrt KF2-5	EPV5_OUT	<100mΩ	22mΩ	22mΩ
61.	KF1-6 wrt KF2-6	EPV6_OUT	<100mΩ	23mΩ	22mΩ
62.	KF1-7 wrt KF2-7	EPV7_OUT	<100mΩ	28mΩ	28mΩ
63.	KF1-8 wrt KF2-8	EPV7_OUT	<100mΩ	29mΩ	28mΩ
64.	KF1-7 wrt KF1-8	EPV7_OUT	<100mΩ	6mΩ	5mΩ
65.	KF2-7 wrt KF2-8	EPV7_OUT	<100mΩ	mΩ	5mΩ
66.	KF1-10 wrt KF2-10	DRY1_OUT_P	<100mΩ	30mΩ	30mΩ
67.	KF1-11 wrt KF2-11	DRY1_OUT_R	<100mΩ	29mΩ	28mΩ
68.	KF1-12 wrt KF2-12	DRY2_OUT_P	<100mΩ	53mΩ	52mΩ
69.	KF1-13 wrt KF2-13	DRY2_OUT_R	<100mΩ	50mΩ	50mΩ
70.	KF1-14 wrt KF2-14	DRY3_OUT_P	<100mΩ	37mΩ	37mΩ
71.	KF1-15 wrt KF2-15	DRY3_OUT_R	<100mΩ	37mΩ	37mΩ
72.	KF1-34 wrt KF1-35,36,37,38,39,40,41-48, KF2-34 to 41	EPV output ret	<100mΩ	4mΩ	4mΩ
73.	KF1-34 wrt KF2-34	EPV output ret	<100mΩ	5mΩ	4mΩ
74.	KM1-6 wrt KF1-34	EPV i/p and o/p ret	<100mΩ	13mΩ	13mΩ
Issue 28V @ KM1-4 wrt KM3-18 to turn on EPV1 CMD BAR Relay					
75	KM3-17 wrt KF2-18	5V-Live wrt EPV1_sts1	1.47kΩ±2%	1.472kΩ	1.472kΩ
76	KM3-17 wrt KF2-42	5V-Live wrt EPV1_sts2	1.47kΩ±2%	1.472kΩ	1.472kΩ
Issue 28V @ KM1-4 wrt KM3-8,25 to turn off EPV1 CMD & CMD BAR Relay					
Issue 28V @ KM1-4 wrt KM3-19 to turn on EPV2 CMD BAR Relay					

77	KM3-17 wrt KF2-19	5V-Live wrt EPV2_sts1	1.47kΩ± 2%	1.472kΩ	1.472kΩ
78	KM3-17 wrt KF2-43	5V-Live wrt EPV2_sts2	1.47kΩ± 2%	1.471kΩ	1.471kΩ
Issue 28V @ KM1-4 wrt KM3-9,26 to turn off EPV2 CMD BAR Relay					
Issue 28V @ KM1-4 wrt KM3-20 to turn on EPV3 CMD BAR Relay					
79	KM3-17 wrt KF2-20	5V-Live wrt EPV3_sts1	1.47kΩ± 2%	1.471kΩ	1.471kΩ
80	KM3-17 wrt KF2-44	5V-Live wrt EPV3_sts2	1.47kΩ± 2%	1.472kΩ	1.472kΩ
Issue 28V @ KM1-4 wrt KM3-10,27 to turn off EPV3 CMD BAR Relay					
Issue 28V @ KM1-4 wrt KM3-21 to turn on EPV4 CMD BAR Relay					
81	KM3-17 wrt KF2-21	5V-Live wrt EPV4_sts1	1.47kΩ± 2%	1.471kΩ	1.471kΩ
82	KM3-17 wrt KF2-45	5V-Live wrt EPV4_sts2	1.47kΩ± 2%	1.471kΩ	1.471kΩ
Issue 28V @ KM1-4 wrt KM3-11,28 to turn off EPV4 CMD BAR Relay					
Issue 28V @ KM1-4 wrt KM3-22 to turn on EPV5 CMD BAR Relay					
83	KM3-17 wrt KF2-22	5V-Live wrt EPV5_sts1	1.47kΩ± 2%	1.470kΩ	1.470kΩ
84	KM3-17 wrt KF2-46	5V-Live wrt EPV5_sts2	1.47kΩ± 2%	1.471kΩ	1.471kΩ
Issue 28V @ KM1-4 wrt KM3-12,29 to turn off EPV5 CMD BAR Relay					
Issue 28V @ KM1-4 wrt KM3-23 to turn on EPV6 CMD BAR Relay					
85	KM3-17 wrt KF2-23	5V-Live wrt EPV6_sts1	1.47kΩ± 2%	1.470kΩ	1.470kΩ
86	KM3-17 wrt KF2-47	5V-Live wrt EPV6_sts2	1.47kΩ± 2%	1.471kΩ	1.471kΩ
Issue 28V @ KM1-4 wrt KM3-13,30 to turn off EPV6 CMD BAR Relay					
Issue 28V @ KM1-4 wrt KM3-24 to turn on EPV7 CMD BAR Relay					
87	KM3-17 wrt KF2-24	5V-Live wrt EPV7_sts1	1.47kΩ± 2%	1.472kΩ	1.472kΩ
88	KM3-17 wrt KF2-48	5V-Live wrt EPV7_sts2	1.47kΩ± 2%	1.471kΩ	1.471kΩ
Issue 28V @ KM1-4 wrt KM3-14,31 to turn off EPV7 CMD BAR Relay					
88	KM3-50 to KF2-18	5V RTN wrt EPV1-7 Sts1	1kΩ	998.439 Ω	998.451 Ω
89	KM3-50 to KF2-19		1kΩ	997.978 Ω	997.958 Ω
90	KM3-50 to KF2-20		1kΩ	997.284 Ω	997.257 Ω
91	KM3-50 to KF2-21		1kΩ	997.729 Ω	997.710 Ω
92	KM3-50 to KF2-22		1kΩ	996.970 Ω	996.918 Ω
93	KM3-50 to KF2-23		1kΩ	997.080 Ω	997.059 Ω
94	KM3-50 to KF2-24		1kΩ	997.268 Ω	997.247 Ω
95	KM1-1 wrt KM2-1	28V CONTACT SUPPLY-EPV-P&R	>10MΩ*	35.348MΩ	39.822MΩ
96	KM2-1 wrt KM1-1	28V CONTACT SUPPLY-EPV-P&R	>10MΩ*	36.636MΩ	41.479MΩ
97	KM1-4 wrt KM2-4	28V COIL SUPPLY- EPV-P&R	>10MΩ*	>100MΩ	>100MΩ
98	KM2-4 wrt KM1-4	28V COIL SUPPLY- EPV-P&R	>10MΩ*	>100MΩ	>100MΩ
99	KM1-8 wrt KM2-8	28V COIL SUPPLY	>10MΩ*	>100MΩ	>100MΩ

		DRY			
100	KM2-8 wrt KM1-8	28V COIL SUPPLY- DRY	>10MΩ*	>100MΩ	>100MΩ
101	KM3-15 wrt KM4-15	28V CONTACT SUPPLY-P&R	>10MΩ*	39.533MΩ	44.688MΩ
102	KM4-15 wrt KM3-15	28V CONTACT SUPPLY-P&R	>10MΩ*	40.592MΩ	46.002MΩ
103	All pins with respect to chassis		>100MΩ	>100MΩ	>100MΩ
104	All connector mounting posts wrt chassis		<100mΩ	<100mΩ	<100mΩ

*1N5811 diode

List of connectors used in the package

1.KM3,KM4=50M

2.KM1,KM2=9M

3.KF1,KF2=50F