

Checklist of CEM EB LIVE_VLVDRY2

VLV DRY 2 Module

SI no.	Test Points	Description	Expected	ISRC	FSRC
1	CIP-1 wrt CIR-1	CMD1 CMD	0.1Ω-0.35Ω	246mΩ	245mΩ
2	CIP-2 wrt CIR-2	CMD1 CMDBAR	0.1Ω-0.35Ω	258mΩ	256mΩ
3	CIP-3 wrt CIR-3	CMD2 CMD	0.1Ω - 0.5Ω	282mΩ	283mΩ
4	CIP-4 wrt CIR-4	CMD3 CMDBAR	0.2Ω - 0.5Ω	355mΩ	354mΩ
5	CIP-5 wrt CIR-5	CMD3 CMD	0.2Ω - 0.5Ω	352mΩ	356mΩ
6	CIP-6 wrt CIR-6	CMD3 CMDBAR	0.2Ω - 0.6Ω	422mΩ	421mΩ
7	CIP-7 wrt CIR-7	CMD4 CMD	0.1Ω - 0.35Ω	268mΩ	272mΩ
8	CIP-8 wrt CIR-8	CMD4 CMDBAR	0.2Ω - 0.4Ω	308mΩ	306mΩ
9	CIP-9 wrt CIR-9	CMD5 CMD	0.2Ω - 0.5Ω	325mΩ	327mΩ
10	CIP-10 wrt CIR-10	CMD5 CMDBAR	0.2Ω - 0.5Ω	354mΩ	357mΩ
11	CIP-18 wrt CIR-18	CMD6 ON CMD	0.5Ω - 0.9Ω	582mΩ	586mΩ
12	CIP-19 wrt CIR-19	CMD6 ON CMDBAR	0.5Ω - 0.9Ω	630mΩ	634mΩ
13	CIP-17 wrt CIR-17	CMD6 OFF CMD	0.4Ω - 0.8Ω	538mΩ	539mΩ
14	CIP-23 wrt CIR-23	CMD6 OFF CMDBAR	0.5Ω - 0.9Ω	735mΩ	737mΩ
15	CIP-26 wrt CIR-26	CMD8 CMD	0.6Ω - 1Ω	722mΩ	725mΩ
16	CIP-27 wrt CIR-27	CMD8 CMDBAR	0.5Ω - 0.9Ω	638mΩ	643mΩ
17	CIP-29 wrt CIR-29	CMD7 CMD	0.2Ω - 0.5Ω	374mΩ	371mΩ
18	CIP-32 wrt CIR-32	CMD7 CMDBAR	0.2Ω - 0.5Ω	417mΩ	422mΩ
19	CIP-34 wrt CIR-34	Spare-1 P and R Inputs	> 100MΩ	>100MΩ	> 100MΩ
20	CIP-35 wrt CIR-35	Spare-1 P and R Inputs	> 100MΩ	>100MΩ	> 100MΩ
21	CIP-24 wrt CIP-36	CMD3 Input (P)	< 100mΩ	19mΩ	19mΩ
22	CIR-24 wrt CIR-36	CMD3 Input (R)	< 100mΩ	36mΩ	39mΩ
23	CIP-24 wrt CIR-41	CMD3 Input (P)	0.4-0.7Ω	465mΩ	465mΩ
24	CIR-24 wrt CIP-41	CMD3 Input (R)	0.4-0.7Ω	484mΩ	492mΩ
25	CIP-24 wrt CIR-24	CMD3 Input (P) wrt Input (R)	> 100MΩ	>100MΩ	>100MΩ
26	CIP-37 wrt CIR-37	CMD4 Input	0.35Ω-0.5Ω	405mΩ	404mΩ
27 to 30 - NA					
31	CIP-38 wrt CIR-38	Spare-5 Inputs	0.4Ω - 0.7Ω	487mΩ	491mΩ
32	CIP-42 wrt CIR-42	Spare-6 Inputs	> 100MΩ	>100MΩ	> 100MΩ
33	CIP-46 wrt CIP-47	Cmd Coil supply-P	0.1Ω - 0.3Ω	169mΩ	170mΩ
34	CIR-46 wrt CIR-47	Cmd Coil supply-R	0.3Ω - 0.7Ω	467mΩ	472mΩ
35	CIP-33 wrt CIP-48	SQB-P Bat Input	< 100mΩ	15mΩ	12mΩ
36	CIR-33 wrt CIR-48	SQB-R Bat input	< 100mΩ	64mΩ	62mΩ
37	CIP-33 wrt CIR-33	SQB-P Bat wrt R	>100MΩ	>100MΩ	>100MΩ
38	CIP-49 wrt CIR-49	5V INST Live	0.3Ω - 0.7Ω	515mΩ	514mΩ
39	CIP-50 wrt CIR-50	5V INST RTN	0.2Ω - 0.5Ω	355mΩ	358mΩ
40	PO-1 wrt RO-1	CMD1 o/ps	>100MΩ	>100MΩ	>100MΩ
41	PO-2 wrt RO-2	CMD2 o/ps	>100MΩ	>100MΩ	>100MΩ
42	PO-3 wrt RO-14	CMD3 (P) o/ps	< 350mΩ	178mΩ	177mΩ
43	RO-3 wrt PO-14	CMD3 (R) o/ps	< 350mΩ	192mΩ	195mΩ
44	PO-3 wrt RO-3	CMD3 (P) wrt (R) o/ps	> 100MΩ	>100MΩ	>100MΩ
45	PO-4 wrt RO-4	CMD4 o/ps	> 100MΩ	766mΩ	>100MΩ
46 to 49 - NA					
50	PO-5 wrt RO-5	Spare-5 Outputs	0.4Ω - 0.8Ω	582mΩ	589mΩ
51	PO-9 wrt RO-9	CMD7 R o/ps	0.2Ω-0.35Ω	276mΩ	276mΩ

256	CIP-47 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
257	CIP-47 wrt CIP-43		> 100MΩ	>100MΩ	>100MΩ
258	CIP-47 wrt CIP-48		> 100MΩ	>100MΩ	>100MΩ
259	CIP-47 wrt CIR-24	Coil Input (P) wrt contact inputs	> 100MΩ	>100MΩ	>100MΩ
260	CIP-47 wrt CIR-25		> 100MΩ	>100MΩ	>100MΩ
261	CIP-47 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
262	CIP-47 wrt CIR-34		> 100MΩ	>100MΩ	>100MΩ
263	CIP-47 wrt CIR-35		> 100MΩ	>100MΩ	>100MΩ
264	CIP-47 wrt CIR-36		> 100MΩ	>100MΩ	>100MΩ
265	CIP-47 wrt CIR-37		> 100MΩ	>100MΩ	>100MΩ
266	CIP-47 wrt CIR-38		> 100MΩ	>100MΩ	>100MΩ
267	CIP-47 wrt CIR-39		> 100MΩ	>100MΩ	>100MΩ
268	CIP-47 wrt CIR-40		> 100MΩ	>100MΩ	>100MΩ
269	CIP-47 wrt CIR-41		> 100MΩ	>100MΩ	>100MΩ
270	CIP-47 wrt CIR-42		> 100MΩ	>100MΩ	>100MΩ
271	CIP-47 wrt CIR-43		> 100MΩ	>100MΩ	>100MΩ
272	CIP-47 wrt CIR-48		> 100MΩ	>100MΩ	>100MΩ
273	CIR-47 wrt CIP-24	Coil Input (R) wrt contact inputs	> 100MΩ	>100MΩ	>100MΩ
274	CIR-47 wrt CIP-25		> 100MΩ	>100MΩ	>100MΩ
275	CIR-47 wrt CIP-33		> 100MΩ	>100MΩ	>100MΩ
276	CIR-47 wrt CIP-34		> 100MΩ	>100MΩ	>100MΩ
277	CIR-47 wrt CIP-35		> 100MΩ	>100MΩ	>100MΩ
278	CIR-47 wrt CIP-36		> 100MΩ	>100MΩ	>100MΩ
279	CIR-47 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
280	CIR-47 wrt CIP-38		> 100MΩ	>100MΩ	>100MΩ
281	CIR-47 wrt CIP-39		> 100MΩ	>100MΩ	>100MΩ
282	CIR-47 wrt CIP-40		> 100MΩ	>100MΩ	>100MΩ
283	CIR-47 wrt CIP-41		> 100MΩ	>100MΩ	>100MΩ
284	CIR-47 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
285	CIR-47 wrt CIP-43		> 100MΩ	>100MΩ	>100MΩ
286	CIR-47 wrt CIP-48		> 100MΩ	>100MΩ	>100MΩ
287	CIR-47 wrt CIR-24	Coil Input (R) wrt contact inputs	> 100MΩ	>100MΩ	>100MΩ
288	CIR-47 wrt CIR-25		> 100MΩ	>100MΩ	>100MΩ
289	CIR-47 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
290	CIR-47 wrt CIR-34		> 100MΩ	>100MΩ	>100MΩ
291	CIR-47 wrt CIR-35		> 100MΩ	>100MΩ	>100MΩ
292	CIR-47 wrt CIR-36		> 100MΩ	>100MΩ	>100MΩ
293	CIR-47 wrt CIR-37		> 100MΩ	>100MΩ	>100MΩ
294	CIR-47 wrt CIR-38		> 100MΩ	>100MΩ	>100MΩ
295	CIR-47 wrt CIR-39		> 100MΩ	>100MΩ	>100MΩ
296	CIR-47 wrt CIR-40		> 100MΩ	>100MΩ	>100MΩ
297	CIR-47 wrt CIR-41		> 100MΩ	>100MΩ	>100MΩ
298	CIR-47 wrt CIR-42		> 100MΩ	>100MΩ	>100MΩ
299	CIR-47 wrt CIR-43		> 100MΩ	>100MΩ	>100MΩ
300	CIR-47 wrt CIR-48	> 100MΩ	>100MΩ	>100MΩ	
301	CIP-47 wrt CIP-49	Coil Input-P wrt Inst Live	> 100MΩ	>100MΩ	>100MΩ
302	CIP-47 wrt CIP-50	Coil Input-P wrt Inst Rtn	> 100MΩ	>100MΩ	>100MΩ
303	CIR-47 wrt CIP-49	Coil Input-R wrt Inst Live	> 100MΩ	>100MΩ	>100MΩ
304	CIR-47 wrt CIP-50	Coil Input-R wrt Inst Rtn	> 100MΩ	>100MΩ	>100MΩ
305	CIP-24 wrt CIP-25	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
306	CIP-24 wrt CIP-33		> 100MΩ	>100MΩ	>100MΩ

307	CIP-24 wrt CIP-34		> 100MΩ	>100MΩ	>100MΩ
308	CIP-24 wrt CIP-35		> 100MΩ	>100MΩ	>100MΩ
309	CIP-24 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
310	CIP-24 wrt CIP-41		> 100MΩ	>100MΩ	>100MΩ
311	CIP-24 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
312	CIP-24 wrt CIR-25		> 100MΩ	>100MΩ	>100MΩ
313	CIP-24 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
314	CIP-24 wrt CIP-49	Contact i/p wrt Inst Live	> 100MΩ	>100MΩ	>100MΩ
315	CIP-24 wrt CIP-50	Contact i/p wrt Inst Rtn	> 100MΩ	>100MΩ	>100MΩ
316	CIR-24 wrt CIP-25	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
317	CIR-24 wrt CIP-33		> 100MΩ	>100MΩ	>100MΩ
318	CIR-24 wrt CIP-34		> 100MΩ	>100MΩ	>100MΩ
319	CIR-24 wrt CIP-35		> 100MΩ	>100MΩ	>100MΩ
320	CIR-24 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
321	CIR-24 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
322	CIR-24 wrt CIR-25		> 100MΩ	>100MΩ	>100MΩ
323	CIR-24 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
324	CIR-24 wrt CIR-41		> 100MΩ	>100MΩ	>100MΩ
325	CIR-24 wrt CIP-49		Contact i/p wrt Inst live	> 100MΩ	>100MΩ
326	CIR-24 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
327	CIP-25 wrt CIP-33	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
328	CIP-25 wrt CIP-34		> 100MΩ	>100MΩ	>100MΩ
329	CIP-25 wrt CIP-35		> 100MΩ	>100MΩ	>100MΩ
330	CIP-25 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
331	CIP-25 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
332	CIP-25 wrt CIR-25		> 100MΩ	>100MΩ	>100MΩ
333	CIP-25 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
334	CIP-25 wrt CIP-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
335	CIP-25 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
336	CIR-25 wrt CIP-33	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
337	CIR-25 wrt CIP-34		> 100MΩ	>100MΩ	>100MΩ
338	CIR-25 wrt CIP-35		> 100MΩ	>100MΩ	>100MΩ
339	CIR-25 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
340	CIR-25 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
341	CIR-25 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
342	CIR-25 wrt CIR-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
343	CIR-25 wrt CIR-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
344	CIP-34 wrt CIP-33	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
345	CIP-34 wrt CIP-35		> 100MΩ	>100MΩ	>100MΩ
346	CIP-34 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
347	CIP-34 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
348	CIP-34 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
349	CIP-34 wrt CIP-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
350	CIP-34 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
351	CIP-35 wrt CIP-33	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
352	CIP-35 wrt CIP-37		> 100MΩ	>100MΩ	>100MΩ
353	CIP-35 wrt CIP-42		> 100MΩ	>100MΩ	>100MΩ
354	CIP-35 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
355	CIP-35 wrt CIP-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
356	CIP-35 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
357	CIP-37 wrt CIP-33	Isolation among	> 100MΩ	>100MΩ	>100MΩ

358	CIP-37 wrt CIP-42	contact inputs	> 100MΩ	>100MΩ	>100MΩ
359	CIP-37 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
360	CIP-37 wrt CIP-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
361	CIP-37 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
362	CIP-42 wrt CIP-33	Isolation among contact inputs	> 100MΩ	>100MΩ	>100MΩ
363	CIP-42 wrt CIR-33		> 100MΩ	>100MΩ	>100MΩ
364	CIP-42 wrt CIP-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
365	CIP-42 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
366	CIP-33 wrt CIR-33	SQB Input-P wrt Input-R	> 100MΩ	>100MΩ	>100MΩ
367	CIP-33 wrt CIP-49	Contact i/p wrt Inst live	> 100MΩ	>100MΩ	>100MΩ
368	CIP-33 wrt CIP-50	Contact input wrt Inst rtn	> 100MΩ	>100MΩ	>100MΩ
369	CIP-47 wrt CIR-47	Coil Input-P wrt Coil input-R	> 100MΩ	>100MΩ	>100MΩ
370	CIR-47 wrt CIP-47	Coil Input-R wrt Coil input-P	> 100MΩ	>100MΩ	>100MΩ
371	All pins with respect to chassis		> 100MΩ	>100MΩ	>100MΩ
372	All connector mounting posts wrt chassis		< 100mΩ	<100mΩ	<100mΩ
373 to 375	NA				
376	PO-12 wrt PO-9	Spare-7 P and R Outputs	> 100MΩ	> 100MΩ	> 100MΩ
377	CIP-40 wrt CIR-40	Spare-9 Input	0.3Ω - 0.7Ω	480mΩ	485mΩ
378	PO-7 wrt RO-20	Spare-9 Outputs	<250mΩ	132mΩ	137mΩ
379	RO-7 wrt PO-20	Spare-9 Outputs	<250mΩ	131mΩ	133mΩ
380	PO-7 wrt RO-7	Spare-9 Outputs	<250mΩ	125mΩ	126mΩ
381	CIP-13 wrt CIR-13	Spare-9 CMD	0.4Ω - 0.8Ω	579mΩ	580mΩ
382	CIP-14 wrt CIR-14	Spare-9 CMDBAR	0.4Ω - 0.8Ω	638mΩ	639mΩ

List of Connectors in the package

1. CIP and CIR=50 pin Male
2. PO and RO =25 pin Female
3. MP=44 pin Female