

**Checklist of CEM TCM
C25_DCC25 CVF**

**List of Connectors in the package
1. TMR1 ,TMR2 and TMR3=25 pin M,
2.PO,RO=50 pin Female**

Continuity checks

SI No	Pin Details	Description	Spec	Results	
				ISRC	FSRC
1	TMR1-6 w.r.to TMR2-19	GUDC Live	0.4 Ω -0.8Ω	528mΩ	524mΩ
2	TMR2-3 w.r.to TMR3-3	Inst Live	<100mΩ	46mΩ	45mΩ
3	TMR2-3 w.r.to PO-36	Inst Live & CMD95 mon	1.475kΩ ± 2%	1.472kΩ	1.472kΩ
4	PO-36 w.r.to PO-37	CMD 95 T/M mon	2 kΩ ± 2%	2.007kΩ	2.002kΩ
5	PO-36 w.r.to PO-38	CMD 95 T/M mon	2 kΩ ± 2%	2.005kΩ	2.002kΩ
6	PO-37 w.r.to PO-38	CMD 95 T/M mon	2 kΩ ± 2%	2.005kΩ	2.004kΩ
7	TMR3-25 w.r.to TMR2-25	Inst RTN	<100mΩ	8mΩ	11mΩ
8	TMR2-3 w.r.to RO-36	Inst Live & Spare1 mon	1.094kΩ ± 2%	1.122kΩ	1.122kΩ
9	RO-36 w.r.to RO-37	Spare1 T/M mon	2 kΩ ± 2%	2.002kΩ	2.007kΩ
10	RO-36 w.r.to RO-38	Spare1 T/M mon	2 kΩ ± 2%	2.002kΩ	2.005kΩ
11	RO-37 w.r.to RO-38	Spare1 T/M mon	2 kΩ ± 2%	2.004kΩ	2.005kΩ
12	TMR1-6 w.r.to PO-12	GUDC & GUDC mon	125Ω ± 2%	125.737Ω	125.542Ω
13	TMR1-6 w.r.to RO-12	GUDC & GUDC mon	125Ω ± 2%	125.544Ω	125.733Ω
14	PO-2 w.r.to RO-2	Spare outputs	<300mΩ	139mΩ	137mΩ
15	PO-28 w.r.to RO-28	BAT RTN	<100mΩ	10mΩ	10mΩ
16	RO-22 w.r.to RO-28	MON Spare1	2.21kΩ ± 2%	2.199kΩ	2.199kΩ
17	RO-2 w.r.to RO-22	Spare1 O/P & MON	33.2kΩ ± 2%	33.228kΩ	33.234kΩ
18	PO-1 w.r.to RO-1	CMD95 O/P	<100mΩ	26mΩ	26mΩ
19	TMR1-6 w.r.to PO-11	GUDC & GUDC mon	>100MΩ	>100MΩ	>100MΩ
20	TMR1-25 w.r.to TMR2-18	GUDC RTN	<100mΩ	6mΩ	6mΩ
21	TMR2-19 w.r.to RO-11	GUDC & GUDC mon	>100MΩ	>100MΩ	>100MΩ
22	PO-1 w.r.to PO-22	CMD95 O/P & MON	>100MΩ	>100MΩ	>100MΩ
23	PO-22 w.r.to PO-29	MON CMD95	>100MΩ	>100MΩ	>100MΩ
24	PO-29 w.r.to RO-29	BAT RTN	<100mΩ	10mΩ	13mΩ
25	PO-21 w.r.to RO-21	GUDC coil RTN	<100mΩ	10mΩ	10mΩ
26	PO-30 w.r.to PO-25	BAT RTN	<100mΩ	6mΩ	7mΩ
	PO-30 w.r.to PO-26	BAT RTN	<100mΩ	6mΩ	7mΩ
	PO-30 w.r.to PO-27	BAT RTN	<100mΩ	6mΩ	7mΩ
	PO-30 w.r.to PO-28	BAT RTN	<100mΩ	5mΩ	6mΩ
	PO-30 w.r.to PO-29	BAT RTN	<100mΩ	5mΩ	9mΩ
	PO-30 w.r.to PO-31	BAT RTN	<100mΩ	5mΩ	11mΩ
27	PO-30 w.r.to PO-32	BAT RTN	<100mΩ	5mΩ	8mΩ
28	PO-30 w.r.to PO-33	BAT RTN	<100mΩ	6mΩ	10mΩ
29	PO-30 w.r.to PO-34	BAT RTN	<100mΩ	8mΩ	8mΩ
30	PO-30 w.r.to PO-35	BAT RTN	<100mΩ	8mΩ	8mΩ
31	PO-30 w.r.to RO-30	BAT RTN	<100mΩ	10mΩ	11mΩ
32	PO-30 w.r.to RO-31	BAT RTN	<100mΩ	10mΩ	11mΩ
33	PO-30 w.r.to RO-32	BAT RTN	<100mΩ	10mΩ	11mΩ
34	PO-30 w.r.to RO-33	BAT RTN	<100mΩ	10mΩ	12mΩ
35	PO-30 w.r.to RO-34	BAT RTN	<100mΩ	11mΩ	7mΩ
36	PO-30 w.r.to RO-35	BAT RTN	<100mΩ	11mΩ	8mΩ
37	PO-30 w.r.to TMR1-23	BAT RTN	<100mΩ	17mΩ	16mΩ
38	TMR1-23 w.r.to TMR1-24	BAT RTN	<100mΩ	4mΩ	5mΩ

39	TMR1-23 w.r.to TMR2-23	BAT RTN	<100mΩ	7mΩ	7mΩ
40	TMR1-23 w.r.to TMR2-24	BAT RTN	<100mΩ	7mΩ	9mΩ
41	TMR1-1 w.r.to TMR1-2	Contact I/P (P)	<100mΩ	6mΩ	6mΩ
42	TMR2-1 w.r.to TMR2-2	Contact I/P (R)	<100mΩ	6mΩ	7mΩ
43	TMR1-4 w.r.to TMR1-5	SPS 1(H)	<100mΩ	5mΩ	6mΩ
44	TMR2-4 w.r.to TMR2-5	SPS 2(H)	<100mΩ	6mΩ	6mΩ
45	TMR3-4 w.r.to TMR3-5	SPS 3(H)	<100mΩ	6mΩ	6mΩ
46	TMR2-3 w.r.to PO-39	Inst & CMD92 STS mon	1.120 kΩ ± 2%	1.121kΩ	1.120kΩ
47	PO-39 w.r.to PO-40	CMD92 STS mon	2 kΩ ± 2%	2.003kΩ	2.004kΩ
48	PO-39 w.r.to PO-41	CMD92 STS mon	2 kΩ ± 2%	2.007kΩ	2.004kΩ
49	PO-40 w.r.to PO-41	CMD92 STS mon	2 kΩ ± 2%	2.004kΩ	2.003kΩ
50	PO-3 w.r.to RO-3	CMD92 O/Ps	<100mΩ	39mΩ	38mΩ
51	TMR1-6 w.r.to PO-13	GUDC & GUDC mon	125Ω ± 2%	125.581Ω	125.827Ω
52	TMR2-19 w.r.to RO-13	GUDC & GUDC mon	125Ω ± 2%	125.932Ω	125.679Ω
53	PO-3 w.r.to PO-23	CMD92 O/Ps & MON	33.2kΩ ± 2%	33.221kΩ	33.230kΩ
54	PO-23 w.r.to PO-27	CMD92 mon & BAT rtn	2.21 kΩ ± 2%	2.201kΩ	2.200kΩ
55	PO-27 w.r.to RO-27	BAT rtn	<100mΩ	10mΩ	10mΩ
56	TMR2-3 w.r.to RO-39	Inst & CMD97 STS mon	1.120 kΩ ± 2%	1.120kΩ	1.121kΩ
57	RO-39 w.r.to RO-40	CMD97 STS mon	2 kΩ ± 2%	2.004kΩ	2.003kΩ
58	RO-39 w.r.to RO-41	CMD97 STS mon	2 kΩ ± 2%	2.004kΩ	2.007kΩ
59	RO-40 w.r.to RO-41	CMD97 STS mon	2 kΩ ± 2%	2.003kΩ	2.004kΩ
60	PO-4 w.r.to RO-4	CMD97 O/Ps	<300mΩ	131mΩ	130mΩ
61	TMR1-6 w.r.to PO-14	GUDC & GUDC mon	125Ω ± 2%	125.524Ω	125.589Ω
62	TMR2-19 w.r.to RO-14	GUDC & GUDC mon	125Ω ± 2%	125.651Ω	125.623Ω
63	PO-4 w.r.to RO-23	CMD97 O/Ps & MON	33.2kΩ ± 2%	33.221kΩ	33.229kΩ
64	RO-23 w.r.to RO-25	CMD97 mon & BAT rtn	2.21 kΩ ± 2%	2.201kΩ	2.201kΩ
65	PO-25 w.r.to RO-25	BAT rtn	<100mΩ	10mΩ	10mΩ
66	TMR2-3 w.r.to PO-42	Inst & Spare2 STS mon	1.120 kΩ ± 2%	1.118kΩ	1.118kΩ
67	PO-42 w.r.to PO-43	Spare2 STS mon	2 kΩ ± 2%	2.002kΩ	2.002kΩ
68	PO-42 w.r.to PO-44	Spare2 STS mon	2 kΩ ± 2%	2.002kΩ	2.002kΩ
69	PO-43 w.r.to PO-44	Spare2 STS mon	2 kΩ ± 2%	2.004kΩ	2.004kΩ
70	PO-5 w.r.to RO-5	Spare2 O/Ps	<300mΩ	132mΩ	131mΩ
71	TMR1-6 w.r.to PO-15	GUDC & GUDC mon	125Ω ± 2%	125.766Ω	125.540Ω
72	TMR2-19 w.r.to RO-15	GUDC & GUDC mon	125Ω ± 2%	125.641Ω	125.862Ω
73	PO-5 w.r.to PO-24	Spare2 O/Ps & mon	33.2kΩ ± 2%	33.186kΩ	33.192kΩ
74	PO-24 w.r.to PO-26	Spare2 mon & rtn	2.21 kΩ ± 2%	2.201kΩ	2.201kΩ
75	PO-26 w.r.to RO-26	BAT rtn	<100mΩ	10mΩ	10mΩ
76	TMR1-1 w.r.to TMR2-1	Oring Diode checks	>10MΩ	49.829MΩ	60.455MΩ
77	TMR2-1 w.r.to TMR1-1			45.530MΩ	55.156MΩ
78	All pins w.r.t chassis		>100MΩ	>100MΩ	>100MΩ
79	All connector mounting posts wrt chassis		<100mΩ	<100mΩ	<100mΩ
80	PO-6 wrt RO-6	Spare 1 Contact input	<100mΩ	86mΩ	74mΩ