




防爆構造電気機械器具型式検定合格証

申請者	Industriestrasse 2, 97959 Assamstadt, Germany ecom instruments GmbH	
製造者	Industriestrasse 2, 97959 Assamstadt, Germany ecom instruments GmbH	
品名	携帯情報端末（携帯用）	
型式の名称	i . r o c C i 7 0 J E N - E x	
防爆構造の種類	本質安全防爆構造（i a）	
対象ガス又は蒸気の爆発等級及び発火度	I I C T 4	
定格	電源 電池パック（A M C i 7 0 - E x） D C 3 . 7 V 5 5 0 m A 充電端子 許容電圧 D C 5 . 0 V	
	周囲温度 - 2 0 ℃ ~ + 5 0 ℃	
使用条件		
型式検定合格番号	第 T C 2 1 0 0 4 号	
有効期間	平成27年 5月18日 から 平成30年 5月17日まで	
	平成 年 月 日 から 平成 年 月 日まで	
	平成 年 月 日 から 平成 年 月 日まで	
	平成 年 月 日 から 平成 年 月 日まで	

機械等検定規則による型式検定に合格したことを証明する。

平成27年 5月18日

型式検定実施者 公益社団法人 産業安全技術協会長



順番号	図面名称	図面番号	改訂	Sheet	備考
1	Following is applicable for all drawing (schematics) and partlist	300011EX39A	00T	1/1	
2	Dimension for i.roc Ci70J EN -Ex	300011AZ33A	00T	1/1	
3	IP technical method	300011AZ24A	00G	1/2	
4	IP technical method	300011AZ24A	00G	2/2	
5	SEAL, MAIN HOUSING	643-221	A	1 OF 1	
6	SEAL, I/O CONN SHROUD	643-225	A	1 OF 1	
7	SEAL, ENDCAP	655-368	C	1 OF 1	
8	O-RING, CUSTOM X 1.78MM C. S. DIAMETER	655-382	A	1 OF 1	
9	GASKET, TOUCH PANEL	655-494	A	1 OF 1	
10	EN-Ex25-AA	300016AZ01A	00T	1/1	
11	interface board Mounting (Top)	300016BA01A	03T	1/1	
12	interface board Mounting (Bottom)	300016BB01A	03T	1/1	
13	Interface board	300016LP01A	02G	page 1 of 1	
14	Partlist Interface Board	300016SL01A	03T	page 1 of 2	
15	Partlist Interface Board	300016SL01A	03T	page 2 of 2	
16	Interface board Circuit Diagram	300016SP01A	04T	1/5	
17	Interface board Circuit Diagram	300016SP01A	04T	2/5	
18	Interface board Circuit Diagram	300016SP01A	04T	3/5	
19	Interface board Circuit Diagram	300016SP01A	04T	4/5	
20	Interface board Circuit Diagram	300016SP01A	04T	5/5	
21	Block Diagram	300016SP03A	02G	1/1	
22	interface board Layout (Top)	300016YA01A	03T	1/1	
23	interface board Layout (Bottom)	300016YB01A	03T	1/1	
24	interface board Layout (Route2)	300016YC01A	03T	1/1	
25	interface board Layout (Route3)	300016YD01A	03T	1/1	
26	interface board Layout (Route4)	300016YE01A	03T	1/1	
27	interface board Layout (Route13)	300016YF01A	03T	1/1	
28	interface board Layout (Route14)	300016YG01A	03T	1/1	
29	interface board Layout (Route15)	300016YH01A	03T	1/1	
30	Connector board Layout (Top)	300016YA04A	00G	1/1	
31	connector board	300016BU04A	00	page 1 of 1	
32	PCB Decoder Board Assembly	300016BA05A	01T	Page 1/2	
33	PCB Decoder Board Assembly	300016BA05A	01T	Page 2/2	
34	PCB Decoder Board Dimensions	300016LP05A	01T	Page 1/1	
35	PCB Decoder Bill of Materials	300016SL05A	01T	Page 1/1	
36	PCB Decoder Schematic	300016SP05A	01T	Page 1/3	
37	PCB Decoder Schematic	300016SP05A	01T	Page 2/3	
38	PCB Decoder Schematic	300016SP05A	01T	Page 3/3	
39	PCB Decoder Board Layout Data	300016YA05A	01T	Page 1/14	
40	PCB Decoder Board Layout Data	300016YA05A	01T	Page 2/14	
41	PCB Decoder Board Layout Data	300016YA05A	01T	Page 3/14	
42	PCB Decoder Board Layout Data	300016YA05A	01T	Page 4/14	
43	PCB Decoder Board Layout Data	300016YA05A	01T	Page 5/14	
44	PCB Decoder Board Layout Data	300016YA05A	01T	Page 6/14	
45	PCB Decoder Board Layout Data	300016YA05A	01T	Page 7/14	
46	PCB Decoder Board Layout Data	300016YA05A	01T	Page 8/14	
47	PCB Decoder Board Layout Data	300016YA05A	01T	Page 9/14	
48	PCB Decoder Board Layout Data	300016YA05A	01T	Page 10/14	
49	PCB Decoder Board Layout Data	300016YA05A	01T	Page 11/14	
50	PCB Decoder Board Layout Data	300016YA05A	01T	Page 12/14	



順番号	図面名称	図面番号	改訂	Sheet	備考
51	PCB Decoder Board Layout Data	300016YA05A	01T	Page 13/14	
52	PCB Decoder Board Layout Data	300016YA05A	01T	Page 14/14	
53	PCB Driver Board Assembly	300016BA06A	01T	Page 1/2	
54	PCB Driver Board Assembly	300016BA06A	01T	Page 2/2	
55	PCB Driver Board Dimensions	300016LP06A	01T	Page 1/1	
56	PCB Driver Bill of Materials	300016SL06A	01T	Page 1/1	
57	PCB Driver Schematic	300016SP06A	01T	Page 1/1	
58	PCB Driver Board Layout Data	300016YA06A	01T	Page 1/8	
59	PCB Driver Board Layout Data	300016YA06A	01T	Page 2/8	
60	PCB Driver Board Layout Data	300016YA06A	01T	Page 3/8	
61	PCB Driver Board Layout Data	300016YA06A	01T	Page 4/8	
62	PCB Driver Board Layout Data	300016YA06A	01T	Page 5/8	
63	PCB Driver Board Layout Data	300016YA06A	01T	Page 6/8	
64	PCB Driver Board Layout Data	300016YA06A	01T	Page 7/8	
65	PCB Driver Board Layout Data	300016YA06A	01T	Page 8/8	
66	PCB ScanEngine Board Assembly	300016BA07A	01T	Page 1/2	
67	PCB ScanEngine Board Assembly	300016BA07A	01T	Page 2/2	
68	PCB ScanEngine Board Dimensions	300016LP07A	01T	Page 1/3	
69	PCB ScanEngine Board Dimensions	300016LP07A	01T	Page 2/3	
70	PCB ScanEngine Board Dimensions	300016LP07A	01T	Page 3/3	
71	PCB ScanEngine Bill of Materials	300016SL07	01T	Page 1/1	
72	PCB ScanEngine Schematic	300016SP07A	01T	Page 1/1	
73	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 1/10	
74	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 2/10	
75	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 3/10	
76	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 4/10	
77	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 5/10	
78	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 6/10	
79	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 7/10	
80	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 8/10	
81	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 9/10	
82	PCB ScanEngine Board Layout Data	300016YA07A	01T	Page 10/10	
83	PCB Flex LED Board Assembly	300016BA08A	01T	Page 1/1	
84	PCB Flex LED Board Dimensions	300016LP08A	01T	Page 1/3	
85	PCB Flex LED Board Dimensions	300016LP08A	01T	Page 2/3	
86	PCB Flex LED Board Dimensions	300016LP08A	01T	Page 3/3	
87	PCB Flex LED Bill of Materials	300016SL08A	01T	Page 1/1	
88	PCB Flex LED Schematic	300016SP08A	01T	Page 1/1	
89	PCB Flex LED Layout Data	300016YA08A	01T	Page 1/5	
90	PCB Flex LED Layout Data	300016YA08A	01T	Page 2/5	
91	PCB Flex LED Layout Data	300016YA08A	01T	Page 3/5	
92	PCB Flex LED Layout Data	300016YA08A	01T	Page 4/5	
93	PCB Flex LED Layout Data	300016YA08A	01T	Page 5/5	
94	PCB Flex Twinning Board Dimensions	300016LP09A	02T	Page 1/2	
95	PCB Flex Twinning Board Dimensions	300016LP09A	02T	Page 2/2	
96	Flex Laser Diode Board Dimensions	300016LP10A	02T	Page 1/2	
97	Flex Laser Diode Board Dimensions	300016LP10A	02T	Page 2/2	
98	PCB Flex Laser Diode Bill of Materials	300016SL10	01T	Page 1/1	
99	Overview BTRY Pack ASSY	300011AZ05A	01T	1/1	
100	PCB, BATTERY	145-534-004SCH	A	1 OF 1	



順番号	図面名称	図面番号	改訂	Sheet	備考
101	PCB, BATTERY	145-534-004	A	1 OF 1	
102	PCB ASSY, BATTERY	234-115-0400	A	1 OF 2	
103	PCB ASSY, BATTERY	234-115-0400	A	2 OF 2	
104	Partlist BATTERY	300011EX06A	02T	Page 1 of 2	
105	Partlist BATTERY	300011EX06A	02T	Page 2 of 2	
106	BATTERY PACK ASSY, UNPOTTED	318-048	A	1 OF 1	
107	BTRY PACK ASSY, UNPOTTED	318-048-001	A	1	
108	Overview LCD Module Assembly	300011AZ06A	01T	1/1	
109	PCB, LCD INTERFACE	145-582-001SCH	A	1 OF 5	
110	PCB, LCD INTERFACE	145-582-001SCH	A	2 OF 5	
111	PCB, LCD INTERFACE	145-582-001SCH	A	3 OF 5	
112	PCB, LCD INTERFACE	145-582-001SCH	A	4 OF 5	
113	PCB, LCD INTERFACE	145-582-001SCH	A	5 OF 5	
114	PCB, LCD INTERFACE	145-582-001	A	1 OF 1	
115	PCB ASSY, LCD INTERFACE	234-179-0100	A	1 OF 2	
116	PCB ASSY, LCD INTERFACE	234-179-0100	A	2 OF 2	
117	Partlist LCD INTERFACE	300011EX09A	02T	Page 1 of 5	
118	Partlist LCD INTERFACE	300011EX09A	02T	Page 2 of 5	
119	Partlist LCD INTERFACE	300011EX09A	02T	Page 3 of 5	
120	Partlist LCD INTERFACE	300011EX09A	02T	Page 4 of 5	
121	Partlist LCD INTERFACE	300011EX09A	02T	Page 5 of 5	
122	LCD MODULE ASSEMBLY	715-634	A	1 OF 1	
123	PCB, MLB	145-528-002SCH	B	1 OF 19	
124	PCB, MLB	145-528-002SCH	B	2 OF 19	
125	PCB, MLB	145-528-002SCH	B	3 OF 19	
126	PCB, MLB	145-528-002SCH	B	4 OF 19	
127	PCB, MLB	145-528-002SCH	B	5 OF 19	
128	PCB, MLB	145-528-002SCH	B	6 OF 19	
129	PCB, MLB	145-528-002SCH	B	7 OF 19	
130	PCB, MLB	145-528-002SCH	B	8 OF 19	
131	PCB, MLB	145-528-002SCH	B	9 OF 19	
132	PCB, MLB	145-528-002SCH	B	10 OF 19	
133	PCB, MLB	145-528-002SCH	B	11 OF 19	
134	PCB, MLB	145-528-002SCH	B	12 OF 19	
135	PCB, MLB	145-528-002SCH	B	13 OF 19	
136	PCB, MLB	145-528-002SCH	B	14 OF 19	
137	PCB, MLB	145-528-002SCH	B	15 OF 19	
138	PCB, MLB	145-528-002SCH	B	16 OF 19	
139	PCB, MLB	145-528-002SCH	B	17 OF 19	
140	PCB, MLB	145-528-002SCH	B	18 OF 19	
141	PCB, MLB	145-528-002SCH	B	19 OF 19	
142	PCB, MLB	145-528-002	B	1 OF 8	
143	PCB, MLB	145-528-002	B	2 OF 8	
144	PCB, MLB	145-528-002	B	3 OF 8	
145	PCB, MLB	145-528-002	B	4 OF 8	
146	PCB, MLB	145-528-002	B	5 OF 8	
147	PCB, MLB	145-528-002	B	6 OF 8	
148	PCB, MLB	145-528-002	B	7 OF 8	
149	PCB, MLB	145-528-002	B	8 OF 8	
150	PCB ASSY, MLB	234-109-0200	B	1 OF 3	



順番号	図面名称	図面番号	改訂	Sheet	備考
151	PCB ASSY, MLB	234-109-0200	B	2 OF 3	
152	PCB ASSY, MLB	234-109-0200	B	3 OF 3	
153	Partlist MLB	300011EX13A	03T	Page 1 of 13	
154	Partlist MLB	300011EX13A	03T	Page 2 of 13	
155	Partlist MLB	300011EX13A	03T	Page 3 of 13	
156	Partlist MLB	300011EX13A	03T	Page 4 of 13	
157	Partlist MLB	300011EX13A	03T	Page 5 of 13	
158	Partlist MLB	300011EX13A	03T	Page 6 of 13	
159	Partlist MLB	300011EX13A	03T	Page 7 of 13	
160	Partlist MLB	300011EX13A	03T	Page 8 of 13	
161	Partlist MLB	300011EX13A	03T	Page 9 of 13	
162	Partlist MLB	300011EX13A	03T	Page 10 of 13	
163	Partlist MLB	300011EX13A	03T	Page 11 of 13	
164	Partlist MLB	300011EX13A	03T	Page 12 of 13	
165	Partlist MLB	300011EX13A	03T	Page 13 of 13	
166	PCB, POWER LIMITING	145-591-000SCH	A	1 OF 1	
167	PCB, POWER LIMITING	145-591-000	A	1 OF 1	
168	PCB ASSY, POWER LIMITING	234-189-0000	A	1 OF 2	
169	PCB ASSY, POWER LIMITING	234-189-0000	A	2 OF 2	
170	Partlist POWER LIMITING	300011EX05A	02T	Page 1 of 2	
171	Partlist POWER LIMITING	300011EX05A	02T	Page 2 of 2	
172	Variants i-roc Ci70-Ex	3000011AZ10A	00G	1/6	
173	Variants i-roc Ci70-Ex	3000011AZ10A	00G	2/6	
174	Variants i-roc Ci70-Ex	3000011AZ10A	00G	3/6	
175	Variants i-roc Ci70-Ex	3000011AZ10A	00G	4/6	
176	Variants i-roc Ci70-Ex	3000011AZ10A	00G	5/6	
177	Variants i-roc Ci70-Ex	3000011AZ10A	00G	6/6	
178	PCB, KEYPAD, NUMERIC	145-529-001SCH	A	1 OF 2	
179	PCB, KEYPAD, NUMERIC	145-529-001SCH	A	2 OF 2	
180	PCB, KEYPAD, NUMERIC	145-529-001	A	1 OF 1	
181	PCB ASSY, KEYPAD, NUMERIC	234-110-0100	A	1 OF 2	
182	PCB ASSY, KEYPAD, NUMERIC	234-110-0100	A	2 OF 2	
183	Partlist KEYPAD, NUMERIC	300011EX08A	01T	Page 1 of 2	
184	Partlist KEYPAD, NUMERIC	300011EX08A	01T	Page 2 of 2	
185	ELASTOMER, KEYPAD, NUMERIC	643-055	A	1 OF 1	
186	PCB, SIDE BUTTON	145-592-003SCH	A	1 OF 1	
187	PCB, SIDE BUTTON	145-592-003	A	1 OF 1	
188	PCB ASSY, SIDE BUTTON	234-191-0300	A	1 OF 1	
189	Partlist SIDE BUTTON	300011EX10A	00G	Page 1 of 1	
190	FLEX, SIDE SCAN BUTTON	120-181-000SCH	A	1 OF 1	
191	FLEX, SIDE SCAN BUTTON	120-181-000	PRE	1 OF 1	
192	FLEX ASSY, SIDE SCAN BUTTON	220-121-0000	A	1 OF 1	
193	PCB_ASSY, SIDE SCAN BUTTON Partlist Page 1 of 1	bom 220-121-0000	A	Page 1 of 1	
194	PCB, I/O	145-629-000SCH	A	1 OF 1	
195	PCB, I/O	145-629-000	PRE	1 OF 1	
196	PCB ASSY, I/O	234-248-0000	A	1 OF 1	
197	PCB assy , I/O Partlist Page 1 of 1	bom 234-248-0000	A	Page 1 of 1	
198	HOUSING, TOP, KEYPAD, ASSY	715-629	A	1 OF 1	
199	HOUSING, BOTTOM, POTTED	715-630	A	1 OF 1	
200	715-629 Partlist Page 1 of 2	202-409-001		Page 1 of 2	



順番号	図面名称	図面番号	改訂	Sheet	備考
201	715-629 Partlist Page 2 of 2	202-409-001		Page 2 of 2	
202	715-630 Partlist Page 1 of 1	202-409-001		Page 1 of 1	
203	Overview Electronic Assembly Main	300011AZ07A	01T	1/1	
204	ELECTRONIC ASSEMBLY, MAIN	715-635	A	1 OF 1	
205	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	1/7	
206	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	2/7	
207	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	3/7	
208	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	4/7	
209	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	5/7	
210	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	6/7	
211	Material assessment i-roc Ci70J EN -Ex	300011AZ36A	00T	7/7	
212	Avoidance of electrostatic charge	300011AZ14A	00T	1/1	
213	Statement to 300011DB07A00G	300011EX40A	00T	1/1	
214	DATA SHEET Desmovit® DP LFC 9585	300011DB07A	00G	1/2	
215	DATA SHEET Desmovit® DP LFC 9585	300011DB07A	00G	2/2	
216	micro SD-Card 1GB, 2GB, 4GB, 8GB	300017AD10A	04G	1/3	
217	micro SD-Card 1GB, 2GB, 4GB, 8GB	300017AD10A	04G	2/3	
218	micro SD-Card 1GB, 2GB, 4GB, 8GB	300017AD10A	04G	3/3	
219	PCB, GALILEO, ABGN, OSP FINISH LGA INTERFACE	145-523-000SCH	A	1 OF 3	
220	PCB, GALILEO, ABGN, OSP FINISH RADIO MODULE	145-523-000SCH	A	2 OF 3	
221	PCB, GALILEO, ABGN, OSP FINISH POWER CONTROL	145-523-000SCH	A	3 OF 3	
222	PCB ASSY, GALILEO, ABGN, OSP	234-252-0000	C	1 OF 1	
223	PCB ASSY, GALILEO, ABGN, OSP BOM Page 1 of 2	bom_234-252-0000	A	Page 1 of 2	
224	PCB ASSY, GALILEO, ABGN, OSP BOM Page 2 of 2	bom_234-252-0000	A	Page 2 of 2	
225	i.roc Ci70J EN -Ex システム構成図	300011EX38A	02T	1/1	
226	i.roc Ci70J EN -Ex 銘板図面	300011EX70A	01T	1/1	
227	Charge characteristics	300011AD93A	00T	1/6	
228	Charge characteristics	300011AD93A	00T	2/6	
229	Charge characteristics	300011AD93A	00T	3/6	
230	Charge characteristics	300011AD93A	00T	4/6	
231	Charge characteristics	300011AD93A	00T	5/6	
232	Charge characteristics	300011AD93A	00T	6/6	
233	Encapsulation compound requirements of IECEx 60079-11 QSi1550	300011AD94A	00G	1/2	
234	Encapsulation compound requirements of IECEx 60079-11 QSi1550	300011AD94A	00G	2/2	
235	QSi1550 (Qsil550) 2-Part Addition Cure Encapsulant	300011DB10A	00G	1/1	

