 CORPORATE STANDARDIZATION	NORME D'ETUDES	ASNE0169 Issue: K Date: 01.2003
	CONNECTORS, RECTANGULAR ARINC 600 POLARIZATION LAYOUTS	

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1 SCOPE

The purpose of this ASN is to define polarization layouts for rectangular connectors that comply with the technical specification ARINC 600.

This document shall be used in conjunction with the ASN standards indicated in section 2, **it shall not be used as a part number.**

The position code of part 2 of this standard is valid for ABS 0831 connectors.

2 NORMATIVE REFERENCES

ARINC 600	Air transport avionics equipment interfaces
ASNE0161	Connectors rectangular - ARINC 600 - size 1 - Plugs
ASNE0162	Connectors rectangular - ARINC 600 - size 1 - Receptacles
ASNE0163	Connectors rectangular - ARINC 600 - size 2 - Plugs
ASNE0165	Connectors rectangular - ARINC 600 - size 3 - Plugs
ASNE0565	Polarization keys for ARINC 600 - Rectangular connectors
ABS 0831	Connector - ARINC 600, with grounding contacts ¹⁾
ABS 0832	Connector - ARINC 600, grounding contacts ¹⁾

These documents shall be consulted at the latest issue in effect.

3 REQUIRED CHARACTERISTICS

3.1 Configuration, position of keys, polarization

The configuration of part 1 shall be in agreement with figure 1.

The configuration of part 2 shall be in agreement with figure 2.

The position numbers of keys in part 1 shall be in agreement with table 1.


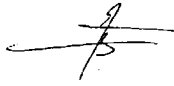
The position numbers of keys in part 2 shall be in agreement with table 2.

The position numbers of contacts in part 2 shall be in agreement with table 3.

The polarization codes of part 1 shall be in agreement with table 4.

The polarization codes of part 2 shall be in agreement with table 5.

¹⁾ Documents by AIRBUS

Keywords: Polarization layout (TC) – Connector ARINC 600 (TC) – Rectangular connector.		
Drawn up by EADS Corporate Research Center	Approved by EADS Vice President Quality	
 P.G. SAVA	 J.M. BARDOT	

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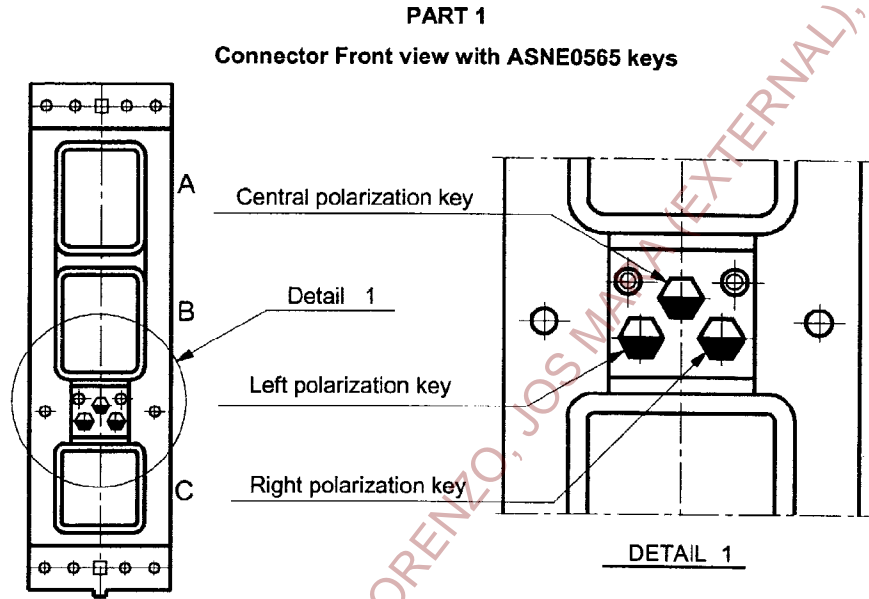


FIGURE 1 – Configuration

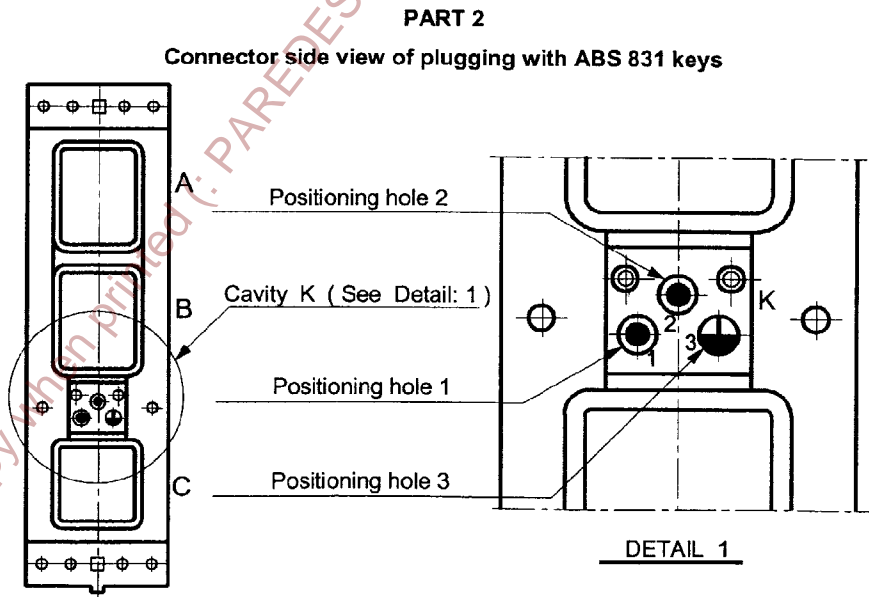









FIGURE 2 - Configuration

PART 1

TABLE 1 - Position of ASNE0565 keys

Position number	0	1	2	3	4	5	6
Position of keys							
NOTE: The dark part represents the key							

PART 2

TABLE 2 - Position of ABS 0831 keys

















Position number	0	1	2	3	4	5	6
MALE KEY							
FEMALE KEY							
NOTE: Position 0 denotes no key fitted.							

TABLE 3 - Position of ABS 0832 contacts

Position number	9
Male contact	
Female contact	

NOTE - The dark part represents the key or the contact.

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PART 1

POLARIZATION FOR ASNE0565

TABLE 4 – Polarization

POLARIZATION CODE	RACK PLUGS Male polarization keys			EQUIPMENT RECEPTACLES Female polarization keys		
	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
00 * 1)	0	0	0	0	0	0
01	1	1	1	4	4	4
02	2	1	1	4	4	3
03	3	1	1	4	4	2
04	4	1	1	4	4	1
05	5	1	1	4	4	6
06	6	1	1	4	4	5
07	1	1	6	5	4	4
08	2	1	6	5	4	3
09	3	1	6	5	4	2
10	4	1	6	5	4	1
11	5	1	6	5	4	6
12	6	1	6	5	4	5
13	1	1	5	6	4	4
14	2	1	5	6	4	3
15	3	1	5	6	4	2
16	4	1	5	6	4	1
17	5	1	5	6	4	6
18	6	1	5	6	4	5
19	1	1	4	1	4	4
20	2	1	4	1	4	3
21	3	1	4	1	4	2
22	4	1	4	1	4	1
23	5	1	4	1	4	6
24	6	1	4	1	4	5
25	1	1	3	2	4	4
26	2	1	3	2	4	3
27	3	1	3	2	4	2
28	4	1	3	2	4	1
29	5	1	3	2	4	6
30	6	1	3	2	4	5
31	1	1	2	3	4	4
32	2	1	2	3	4	3

1) Code 00: Polarization keys delivered non-mounted

Codes continued on page 5.

TABLE 4 (cont'd)

POLARIZATION CODE	RACK PLUGS Male polarization keys			EQUIPMENT RECEPTACLES Female polarization keys		
	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
33	3	1	2	3	4	2
34	4	1	2	3	4	1
35	5	1	2	3	4	6
36	6	1	2	3	4	5
37	1	2	1	4	3	4
38	2	2	1	4	3	3
39	3	2	1	4	3	2
40	4	2	1	4	3	1
41	5	2	1	4	3	6
42	6	2	1	4	3	5
43	1	2	6	5	3	4
44	2	2	6	5	3	3
45	3	2	6	5	3	2
46	4	2	6	5	3	1
47	5	2	6	5	3	6
48	6	2	6	5	3	5
49	1	2	5	6	3	4
50	2	2	5	6	3	3
51	3	2	5	6	3	2
52	4	2	5	6	3	1
53	5	2	5	6	3	6
54	6	2	5	6	3	5
55	1	2	4	1	3	4
56	2	2	4	1	3	3
57	3	2	4	1	3	2
58	4	2	4	1	3	1
59	5	2	4	1	3	6
60	6	2	4	1	3	5
61	1	2	3	2	3	4
62	2	2	3	2	3	3
63	3	2	3	2	3	2
64	4	2	3	2	3	1
65	5	2	3	2	3	6
66	6	2	3	2	3	5

Codes continued on page 6.

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TABLE 4 (end)

POLARIZATION CODE	RACK PLUGS Male polarization keys			EQUIPMENT RECEPTACLES Female polarization keys		
	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
67	1	2	2	3	3	4
68	2	2	2	3	3	3
69	3	2	2	3	3	2
70	4	2	2	3	3	1
71	5	2	2	3	3	6
72	6	2	2	3	3	5
73	1	3	1	4	2	4
74	2	3	1	4	2	3
75	3	3	1	4	2	2
76	4	3	1	4	2	1
77	5	3	1	4	2	6
78	6	3	1	4	2	5
79	1	3	6	5	2	4
80	2	3	6	5	2	3
81	3	3	6	5	2	2
82	4	3	6	5	2	1
83	5	3	6	5	2	6
84	6	3	6	5	2	5
85	1	3	5	6	2	4
86	2	3	5	6	2	3
87	3	3	5	6	2	2
88	4	3	5	6	2	1
89	5	3	5	6	2	6
90	6	3	5	6	2	5
91	1	3	4	1	2	4
92	2	3	4	1	2	3
93	3	3	4	1	2	2
94	4	3	4	1	2	1
95	5	3	4	1	2	6
96	6	3	4	1	2	5
97	1	3	3	2	2	4
98	2	3	3	2	2	3
99	3	3	3	2	2	2
0A ¹⁾	2	0	1	—	—	—
0B ²⁾	2	2	4	1	0	3
0C ³⁾	3	2	4	1	0	2

1) Special polarization code, not in compliance with ARINC 600.
2) Special polarization code for ALSCU modified, not in compliance with ARINC 600.
3) Special polarization code for AFMC modified, not in compliance with ARINC 600.

PART 2

POLARIZATION FOR ABS 0831

TABLE 5 – Polarization

POLARIZATION CODE	RACK PLUGS Male polarization keys or male contact			EQUIPMENT RECEPTACLES Female polarization keys or female contact		
	POSITIONING HOLES			POSITIONING HOLES		
	1	2	3	1	2	3
91	9	9	1	1	9	9
92	9	9	2	2	9	9
93	9	9	3	3	9	9
94	9	9	4	4	9	9
95	9	9	5	5	9	9
96	9	9	6	6	9	9
19	1	9	9	9	9	1
29	2	9	9	9	9	2
39	3	9	9	9	9	3
49	4	9	9	9	9	4
59	5	9	9	9	9	5
69	6	9	9	9	9	6
Position not allowed	9	*	9	9	*	9
10	9	9	1	0	9	9
40	9	9	4	0	9	9

4 DESIGNATION

Not applicable.

5 MARKING

Not applicable.

6 TECHNICAL SPECIFICATION

ARINC 600.

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RECORD OF REVISIONS

Issue ¹⁾	Paragraph Modified	Description of modification	Reason
A 11-79		New standard	
B 09-82		Standard updated Position number of socket receptacle modified: 5 becomes 3 for polarization code 50	Mod. 9999
C 11-83		Standard revised	MBB request Mod. 9999
D 10-84		Page numbering modified: 25 and 26 become 27 and 28	Mod. 9999
E 04-87		Page numbering modified	
F 09-92		Standard fully revised. Part 2 added	TF3-WGE 357 SDF/B67-04/P/47/0427
G 03-94	All	Standard revised. Code 00 added Updated	Eurocopter France request. Rules from ASN00002 applied Supersedes ASNE0169 Aircraft Division Further to note DCR/N No. 25280/93 Inquiry No. 212 and AIRBUS Partners
H 01-96	2	Title ABS 0831 updated	AIRBUS request - WGE 371
J 04-00	Page 1 3.1 Table 2 Table 4 Table 5	AEROSPATIALE replaced by AEROSPATIALE MATRA. Part 2: position number 0 for ABS 0831 added. Part 2: position number 1 of male key, cancelled F. Polarization code 0A added. Part 2: polarisation code 91S and 94S for ABS 0831 added. Codes 91S and 94S replaced by codes 10 and 40.	Group trade name changed. BAE Systems B86/WG2/PSO/0060/99 and fax AEROSPATIALE MATRA AIRBUS of 15/12/99 request. BAE Systems. request by E-mail 27/01/00. AEROSPATIALE MATRA AIRBUS request as per ref.: BTE/SM/SMP dated 05/11/99. A0320, BSCU systems, Mod. 28343 AEROSPATIALE MATRA CCR action.
K 01-03	Page 1 Table 4	AEROSPATIALE MATRA becomes EADS. Polarization code 0B and 0C for ASNE0565 added.	Group trade name changed. ESW-T EADS AIRBUS request A319 CJ AFMS - 26/06/2002

1) The issue I has not been used.