

# JCB Approved Product List –Proprietary OS–

June 2008



The table below shows the products which obtained JCB Approval and whose J/Smart application is authorized by JCB.

\* The product details below are based on the information from each vendor via "Application Form for JCB IC Card Approval Test Program".

Please note that some approved products may not appear on this list. For further information including the contents in the "Remarks/Other Applications", please contact the vendors directly.

\* The latest list is available on the following URL.<http://www.jcb-global.com/english/solution/jsmart/products.html>

\* The Approval granted by JCB includes no warranties by JCB against any problem or risk arising in connection with the approved product. The Vendor shall be solely responsible for their products, regardless of JCB's Approval.

JCB Reference No.	Vendor	Product Name	Chip Information					J/Smart information						Remarks/ Other applications	
			Chip Manufacturer	Chip Name	ROM (K)	EEPROM (K)	Transmission Protocol	JCB IC Card Specification Version Number	Function						Cirrus ATM Information
									Offline Data Authentication			CVM			
									SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JN-001	JCB Co., Ltd.		Renesas Technology Corp.	H8/3161		4	T=1	1.0	✓	-	-	✓	-	-	
JN-002	JCB Co., Ltd.		ST Microelectronics N.V.	ST19KF16		16	T=1	1.0	✓	-	-	✓	-	-	
JN-003	JCB Co., Ltd. Dai Nippon Printing Co., Ltd.	JCC03	Renesas Technology Corp.	H8/3161		4	T=1	1.0	✓	-	-	✓	-	-	Loyalty ID Application
JN-004	JCB Co., Ltd. Toppan Printing Co., Ltd	TJE	ST Microelectronics N.V.	ST19KF16	32	16	T=1	1.0	✓	-	-	✓	-	-	ETC
JN-005	JCB Co., Ltd. Dai Nippon Printing Co., Ltd.	DPJ01	Renesas Technology Corp.	H8/3161	32	4	T=1	1.0	✓	-	-	✓	-	-	JPA
JN-006	JCB Co., Ltd. Toppan Printing Co., Ltd	TJSP	ST Microelectronics N.V.	ST19SF04	32	4	T=1	1.0	✓	-	-	✓	-	-	JPA
JN-007	JCB Co., Ltd. Dai Nippon Printing Co., Ltd.	JIM01a	Renesas Technology Corp.	AE43C	64	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA D/Smart
JN-008	JCB Co., Ltd. Dai Nippon Printing Co., Ltd.	JIM01b	Renesas Technology Corp.	AE43C	64	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart
JN-009	JCB Co., Ltd. Toppan Printing Co., Ltd	TJPCS	ST Microelectronics N.V.	ST19SF16	32	16	T=1	1.0	✓	-	-	✓	-	2.1 Lite	JPA
JN-010	TOSHIBA Corporation	F5Σ -J04T-CPJ	TOSHIBA Corporation	T6N90	32	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA

# JCB Approved Product List –Proprietary OS–

June 2008



The table below shows the products which obtained JCB Approval and whose J/Smart application is authorized by JCB.

\* The product details below are based on the information from each vendor via "Application Form for JCB IC Card Approval Test Program".

Please note that some approved products may not appear on this list. For further information including the contents in the "Remarks/Other Applications", please contact the vendors directly.

\* The latest list is available on the following URL: <http://www.jcb-global.com/english/solution/jsmart/products.html>

\* The Approval granted by JCB includes no warranties by JCB against any problem or risk arising in connection with the approved product.

The Vendor shall be solely responsible for their products, regardless of JCB's Approval.

JCB Reference No.	Vendor	Product Name	Chip Information					J/Smart information						Remarks/ Other applications	
			Chip Manufacturer	Chip Name	ROM (K)	EEPROM (K)	Transmission Protocol	JCB IC Card Specification Version Number	Function						Cirrus ATM Information
									Offline Data Authentication			CVM			
									SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JN-011	TOSHIBA Corporation	FSΣ-J04T-CSJ	TOSHIBA Corporation	T6N90	32	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	SPL
JN-012	Toppan Printing Co., Ltd.	TJPCD	ST Microelectronics N.V.	ST19SF08	32	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA,D/Smart
JN-013	TOSHIBA Corporation	FSΣ-J Ver.1.04a	TOSHIBA Corporation	T6N90	32	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart, SPL, JBA
JN-015	Toppan Printing Co., Ltd.	TJPCES	Renesas Technology Corp.	AE45C	96	32	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, ETC
JN-016	Dai Nippon Printing Co., Ltd.	JIM02/JIMz2	Renesas Technology Corp.	AE43	64	8.5	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart, JBA
JN-017	TOSHIBA Corporation	FSΣ-J Ver.1.03	TOSHIBA Corporation	T6N55	48	8	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart,SPL,JBA,ETC
JN-018	Toppan Printing Co., Ltd.	TJPCDB	Infineon Technologies AG	SLE66C82P	64	8	T=1	2.0	✓	-	-	✓	-	2.1 Lite	JPA, D/Smart
JN-019	Dai Nippon Printing Co., Ltd.	JIM03	Renesas Technology Corp.	AE420	64	5	T=1	2.0	✓	-	-	✓	-	4 Lite	JPA, D/Smart
JN-020	Dai Nippon Printing Co., Ltd.	JDM01	Renesas Technology Corp.	AE43C	64	8.5	T=1	2.0	✓	✓	✓	✓	✓	4 Lite	JPA, D/Smart
JN-021	Axalto	Shinflex	Atmel	AT90SC9608RC	96	8	T=0	2.0	✓	✓	✓	✓	✓	4 Select	JPA, XLS

# JCB Approved Product List –Proprietary OS–

June 2008



The table below shows the products which obtained JCB Approval and whose J/Smart application is authorized by JCB.

\* The product details below are based on the information from each vendor via "Application Form for JCB IC Card Approval Test Program".

Please note that some approved products may not appear on this list. For further information including the contents in the "Remarks/Other Applications", please contact the vendors directly.

\* The latest list is available on the following URL: <http://www.jcb-global.com/english/solution/jsmart/products.html>

\* The Approval granted by JCB includes no warranties by JCB against any problem or risk arising in connection with the approved product. The Vendor shall be solely responsible for their products, regardless of JCB's Approval.

JCB Reference No.	Vendor	Product Name	Chip Information					J/Smart information						Remarks/ Other applications	
			Chip Manufacturer	Chip Name	ROM (K)	EEPROM (K)	Transmission Protocol	JCB IC Card Specification Version Number	Function						Cirrus ATM Information
									Offline Data Authentication			CVM			
									SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification		
JN-022	Axalto	Shinflex	Atmel	AT90SC9608RC	96	8	T=1	2.0	✓	✓	✓	✓	✓	4 Select	JPA, XLS
JN-023	Gemplus International S.A.	GemJ-EMV DDA 8K	Philips	P5CC009	96	8	T=0	2.0	✓	✓	✓	✓	✓	4 Select	JPA
JN-024	Gemplus International S.A.	GemJ-EMV DDA 8K	Philips	P5CC009	96	8	T=1	2.0	✓	✓	✓	✓	✓	4 Select	JPA
JN-025	Toppan Printing Co., Ltd.	NIS906E3	Infineon Technologies AG	SLE66C82P	64	8	T=1	2.0	✓	-	-	✓	-	2.1 Lite	JPA, JBA
JN-026	Dai Nippon Printing Co., Ltd.	FeliCa/D.pac 1.0	Infineon Technologies AG	SLE66CLX160PS	136	16	T=1	2.0	✓	-	-	✓	-	4 Lite	JPA
JN-027	Dai Nippon Printing Co., Ltd.	FeliCa/D.pac 2.0	Infineon Technologies AG	SLE66CLX160PS	136	16	T=1	2.0	✓	-	-	✓	-	4 Lite	JPA
JN-028	Toppan Printing Co., Ltd.	NSD80D2	ST Microelectronics	ST19WK08	112	8	T=1	2.0	✓	✓	✓	✓	✓	4 Select	JPA, ETC, JBA, ID
JN-029	Toshiba Corporation	FSΣ-J07z Ver.1.0	Toshiba Corporation	T6NC9	48	8	T=0	2.0	✓	✓	✓	✓	✓	2.1 Lite	
JN-030	Toshiba Corporation	FSΣ-J07z Ver.1.0	Toshiba Corporation	T6NC9	48	8	T=1	2.0	✓	✓	✓	✓	✓	2.1 Lite	ETC, SPL, ID