

# JCB Approved Product List –Proprietary OS–

May 2008



The table below shows the products which obtained JCB Approval and whose use being authorized by JCB.

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JCB Reference No.	Vendor	Product Name	Chip Information						J/Smart information						Remarks/ Other applications	
			Chip Manufacturer	Chip Name	ROM (K)	EEPROM (K)	Encryption Co-Processor	Transmission Protocol	Function							
									JCB IC Card Specification Version Number	Offline Data Authentication			CVM			Cirrus ATM Information
										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	Y	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	Y	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	Y	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	Y	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	FSΣ-J04T-CPJ	TOSHIBA Corporation	T6N90	32	8	-	T=1	1.2	✓	-	-	✓	-	2.1 Lite	JPA
JN-011	TOSHIBA Corporation	FSΣ-J04T-CSJ	TOSHIBA Corporation	T6N90	32	8	-	T=1	1.2	✓	-	-	✓	-	2.1 Lite	SPL

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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	Y	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	Y	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	Y	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	Y	T=1	2.0	✓	✓	✓	✓	✓	4 Select	JPA, D/Smart
JN-021	Axalto	Shinflex	Atmel	AT90SC9608RC	96	8	Y	T=0	2.0	✓	✓	✓	✓	✓	4 Select	JPA, XLS
JN-022	Axalto	Shinflex	Atmel	AT90SC9608RC	96	8	Y	T=1	2.0	✓	✓	✓	✓	✓	4 Select	JPA, XLS
JN-023	Gemplus International S.A.	GemJ-EMV DDA 8K	Philips	P5CC009	96	8	Y	T=0	2.0	✓	✓	✓	✓	✓	4 Select	JPA

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										Offline Data Authentication			CVM				Cirrus ATM Information
										SDA	DDA	CDA	Offline Plain Text PIN Verification	Offline Enciphered PIN Verification	M/Chip Version		
JN-024	Gemplus International S.A.	GemJ-EMV DDA 8K	Philips	P5CC009	96	8	Y	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	Y	T=1	2.0	✓	✓	✓	✓	✓	4 Select	JPA, ETC, JBA, ID	
JN-029	Toshiba Corporation	FSΣ-J07z Ver.1.0	Toshiba Corporation	T6NC9	48	8	Y	T=0	2.0	✓	✓	✓	✓	✓	2.1 Lite		
JN-030	Toshiba Corporation	FSΣ-J07z Ver.1.0	Toshiba Corporation	T6NC9	48	8	Y	T=1	2.0	✓	✓	✓	✓	✓	2.1 Lite	ETC, SPL, ID	