

Product Selector Guide

Smart Card IC

Contact Memory IC(I²C)

Density	Part No.	Vcc	Speed(KHz)	Package	Comment
2Kb	GT24C02A	2.5V-5.5V	1000	wafer,module	I ² C interface
16Kb	GT24C16A	2.5V-5.5V	1000	wafer,module	I ² C interface
64Kb	GT24C64A	2.5V-5.5V	1000	wafer,module	I ² C interface
128Kb	GT24C128B	2.5V-5.5V	1000	wafer,module	I ² C interface
256Kb	GT24C256A	2.5V-5.5V	1000	wafer,module	I ² C interface
512Kb	GT24C512A	2.5V-5.5V	1000	wafer,module	I ² C interface
1024Kb	GT24C1024	2.5V-5.5V	1000	wafer,module	I ² C interface

Contact Logic IC

Density	Part No.	Vcc	Speed(KHz)	Package	Comment
2KB	GT23SC4442	2.7V-5.5V	Up to 5	wafer,module	ISO/IEC 7816
8KB	GT23SC4428	2.7V-5.5V	Up to 5	wafer,module	ISO/IEC 7816
16KB	GT23SC1604	2.7V-5.5V	Up to 5	wafer,module	ISO/IEC 7816

Contactless Logic IC

Density	Part No.	Vcc	Speed(Kbps)	Package	Comment
1KB	GT23SC4439C	N/A	106	wafer,module	ISO/IEC14443A
1KB	GT23SC4439D	N/A	106	wafer,module	ISO/IEC14443A
4KB	GT23SC4469	N/A	106	wafer,module	ISO/IEC14443A

Contactless CPU IC

EEPROM	Part No.	Vcc	Speed(Kbps)	Package	Remark
4KB	GT23SC4455	N/A	106	wafer,module	PBOC2.0 EDEP

8KB	GT23SC4456	N/A	106	wafer,module	PBOC2.0 EDEP
16KB	GT23SC4458	N/A	106	wafer,module	PBOC2.0 EDEP

Multi I/O interface secure element IC(FLASH storage)

Density	Part No.	Vcc	Speed(KHz)	Package	Comment
160KB	GT23SC55160	2.7V-5.5V	Up to 30	wafer,module	Crypto IC

Dual Interface CPU IC

EEPROM	Part No.	Vcc	Speed(KHz)	Package	Remark
64KB	GT23SC4466	1.8/3.0/5.0V	Up to 30	wafer,module	ISO/IEC 7816 ISO/IEC14443A And I ² C

GTag Series IC(NFC Forum Type2 Tag Compatible)

Density	Part No.	Vcc	Speed(Kbps)	Package	Comment
64 bytes	GT23SC4479	N/A	106	wafer,module	ISO/IEC14443A
192 bytes	GT23SC4489	N/A	106	wafer,module	NFC Forum Type2 Tag DES algorithm
180 bytes	GT23SC8899-1	N/A	106	wafer,module	NFC Forum Type2 Tag
540 bytes	GT23SC8899-2	N/A	106	wafer,module	NFC Forum Type2 Tag
924 bytes	GT23SC8899-3	N/A	106	wafer,module	NFC Forum Type2 Tag
180 bytes	GT23SC8899C-1	N/A	106	UDFN/XDFN	NFC Forum Type2 Tag with field detection
924 bytes	GT23SC8899C-3	N/A	106	UDFN/XDFN	NFC Forum Type2 Tag with field detection
1024 bytes	GT23SC6699-1	1.8V-5.5V	106	UDFN/XDFN	NFC Forum Type2 Tag with I ² C interface
2048 bytes	GT23SC6699-2	1.8V-5.5V	106	UDFN/XDFN	NFC Forum Type2 Tag with I ² C interface

Contactless Reader/writer IC

Density	Part No.	Vcc	Speed(Kbps)	Package	Comment
N/A	GT23SC55460	2.5V-3.3V	106	QFN,32PIN	ISO/IEC 14443A
N/A	GT23SC55460A	2.5V-3.3V	106	QFN,32PIN	ISO/IEC 14443A