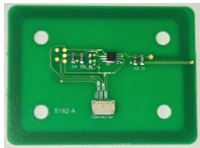
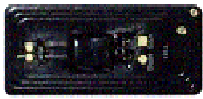


Turn key solutions with NFC module

Parts#	MN63Y3214N1	MN63Y3213N1	MN63Y3212N1	MN63Y3212N4	MN63Y3212N5
LSI	MN63Y1214	MN63Y1213	MN63Y1212		
Host Interface	I ² C (～400kbps)	I ² C (～100kbps)	None		
Connector	6pin pitch 0.5mm t = 0.9mm	6pin pitch 0.5mm t = 0.9mm			
Power Supply Voltage	1.7V to 3.6V	1.7V to 3.6V	* Passive only * IRQ, VSS	* Passive only	
Built-in FeRAM (Nonvolatile Memory)	User area: 960 Bytes	User area: 432 Bytes			
	Rewritable cycle: 100 million times, Data retention period: 10 years				
RF interface (Automatic Discrimination)	ISO/IEC14443 Type A,B JIS X 6319-4 FeliCa	ISO/IEC14443 TypeB (NFC-B) : 106kbps, 212kbps JIS X 6319-4 FeliCa (NFC-F) : 212kbps, 424kbps			
NFC Forum Tag	Type4A/4B (NFC-A, B) Type3 (NFC-F)	Type4B (NFC-B) Type3 (NFC-F)			
Power by field(Passive)	Available				
Encryption	None (Password)	AES128			
Size	40 x 30 mm	9 x 30 mm	11.5 x 25 mm t = 0.85 mm	Φ 30mm, t=3mm (molded)	15x30mm, t=3mm (molded)
Status	ES				
				IP68 PC molded 	IP68 PC molded 

Panasonic

Note : Parts# can be changed in mass production.