HID Corporation
HID MIFARE® Reader Part Numbers and Options

Card Reader Description	Base Part No.	Current Rev. No.*	Color Options	Hardware Options	Configuration Setting Options[1]	Card Read Mode[2]	CSN Wiegand Output Mode[3]	Custom[4]
HID MIFARE® Reader Read/Write Capability, Wiegand & RS232 Output	6055	B	G = Charcoal Gray B = Beige W = White K = Black	L = Long Pigtail (9 feet/3 meters)	00 04 01 05 02 06 03 07	0 1 2	0 1 2 3 4	XXXX Y
HID MIFARE® Developer's Resource Kit	3012	A	K = Black	N = Reader Kit with CD[5]	00	N/A	N/A	N/A
HID MIFARE® Developer's Resource CD	3012	A	N = None	S = CD Only[5]	00	N/A	N/A	N/A
HID MIFARE® Demo Kit	3013	A	K = Black	N = Reader Kit with Demo CD[6]	00	N/A	N/A	N/A

*Revision numbers and availability are subject to change without notice. Consult factory for availability.

[1] Configuration Setting Options are as follows (factory programmed):
00 = Beep on, LED normally red, reader flashes green on tag read
01 = Beep off, LED normally red, reader flashes green on tag read
02 = Beep on, LED normally off, reader flashes green on tag read
03 = Beep off, LED normally off, reader flashes green on tag read
04 = Beep on, LED normally red, host must flash green
05 = Beep off, LED normally red, host must flash green
06 = Beep on, LED normally off, host must flash red and/or green
07 = Beep off, LED normally off, host must flash red and/or green

[2] Card Read Modes are as follows (factory programmed): Refer to the "HID MIFARE Reader Wiegand Output Configuration" Guide for more details.
0 = HID Data (Sector 1, MIFARE Application Directory or Sector Location) Only 1 = MIFARE Card Serial Number (CSN) Only 2 = HID Data or MIFARE CSN

[3] Card Serial Number (CSN) Wiegand Output Modes are as follows (factory programmed). Refer to the "HID MIFARE Reader Wiegand Output Configuration" Guide for more details.
0 = 32 bit 1 = 32 bit reverse (as in 6055A) 2 = 26 bit 3 = 34 bit 4 = 40 bit

[4] Consult Factory

[5] Developer's Resource CD includes: Serial Protocol Documentation and Developer's Test Program to assist in developing custom MIFARE software applications.

[6] Demo CD Includes: MIFARE Documentation and Sample Application Program.

To order, please specify the following:

Card Reader Description	Base Part No.	Current Rev. No.*	Color Options	Hardware Options	Configuration Setting Options[1]	Card Read Mode[2]	CSN Wiegand Output Mode[3]	Custom[4]

HID MIFARE® Reader Wiegand Output Configuration

Base Model Number: 6055B only

Desired Wiegand Data Output format	Comments	Model Number
Any HID/OEM format.	As encoded into Mifare card by HID factory or field programmer.	6055BXX0000
32-bit, Mifare Card Serial Number.	Random number burned into card chip.	6055BXX0010
32-bit, Mifare Card Serial Number, reverse output.	Reverse output matches HID Mifare Reader base model number: 6055A.	6055BXX0011
26-bit, derived from Mifare Card Serial number.	ID = 16 lower bits of CSN. Reader generates fixed FC - defaults to 001, but can be custom configured.	6055BXX0012
34-bit, Mifare Card Serial number plus beginning/ending parity.		6055BXX0013
40-bit, Mifare Card Serial Number plus 8-bit checksum.	Checksum per Philips standard.	6055BXX0014
HID/OEM format or 32-bit (Mifare Card Serial Number).	Reader searches for HID/OEM data in sector 1, then MAD; if no HID data found, then send CSN as configured.	6055BXX0020
HID/OEM format or (32-bit Mifare Card Serial Number in reverse output).	Reader searches for HID/OEM data in sector 1, then MAD; if no HID data found, then send CSN as configured.	6055BXX0021
HID/OEM format or 26-bit (derived from Mifare Card Serial Number).	Reader searches for HID/OEM data in sector 1, then MAD; if no HID data found, then send CSN as configured.	6055BXX0022
HID/OEM format or 34-bit (Mifare CSN plus beginning/ending parity).	Reader searches for HID/OEM data in sector 1, then MAD; if no HID data found, then send CSN as configured.	6055BXX0023
HID/OEM format or 40-bit (Mifare Card Serial number plus 8 bit checksum).	Reader searches for HID/OEM data in sector 1, then MAD; if no HID data found, then send CSN as configured.	6055BXX0024

Notes:
1. MAD = Mifare Application Directory, a table of contents for the Mifare card located in Sector 0.
2. CSN = Card Serial Number, a 32-bit random number burned into the chip by the chip manufacturer (not HID).
3. XX = Indicates color and hardware options. Refer to the "How to Order Guide" for complete ordering instructions.