RCA Registers

16

RCA Ox0000 Ox0000 CMD7

standby

DSR register (Optional)

16

( ) CSD DSR

DSR 0x404

SCR register

CSD SD (SCR) SCR

SD 64

SD SCR

Description	Field	Type	Slice	Width	Cell	SCR
DAT Bus widths supported	SD_BUS_WIDTHS			4	R	[51:48]
Spec. Version 3.00 or higher	SD_SPEC3			1	R	[47]
Extended Security Support	EX_SECURITY			4	R	[46:43]
Reserved				9	R	[42:34]

The SCR Fields

SD_SPEC

SD_SPEC3

1.XX SD_SPEC3 0

:

SD_SPEC

SD

1.01 (SD_SPEC=0 SD_SPEC3-0)

(1) CMD6

(2) CMD8

(3) 2GB

1.10 (SD_SPEC=1 and SD_SPEC3-0)

(1) CMD6

(2) CMD8

(3) 2GB

2.00 (sd_spec2 SD_SPEC3-0)

(1) CMD6

(2) CMD8

(3) CMD42

(4) 2GB (SDSC) 32GB (SDHC)

(5) (SDHC)

3.00 (SD_SPEC=2 SD_SPEC3-1)

(1) CMD6

(2) CMD8

(3) CMD42

(4)

SD_SECURITY

CPRM

SD_SECURITY	CPRM Security Version
0	No Security

CPRM Security Version

:

SDSC 2(1.01)
SDHC 3(2.00)
SDXC 4(3.xx)

SD ROM( ) OTP( )

SD

SD_BUS_WIDTHS

DAT

SD Memory Card Supported Bus Widths

EX_SECURITY

3 3.00

Extended Security

CMD_SUPPORT

SCR 33-32

SCR Bit	Command Sequence	Command	CCC Description
ard	33	Set Block Count	CMD23	2, 4	Mandatory for UHS104 c
d	32	Speed Class Control	CMD20	2, 4	Mandatory for SDXC car

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