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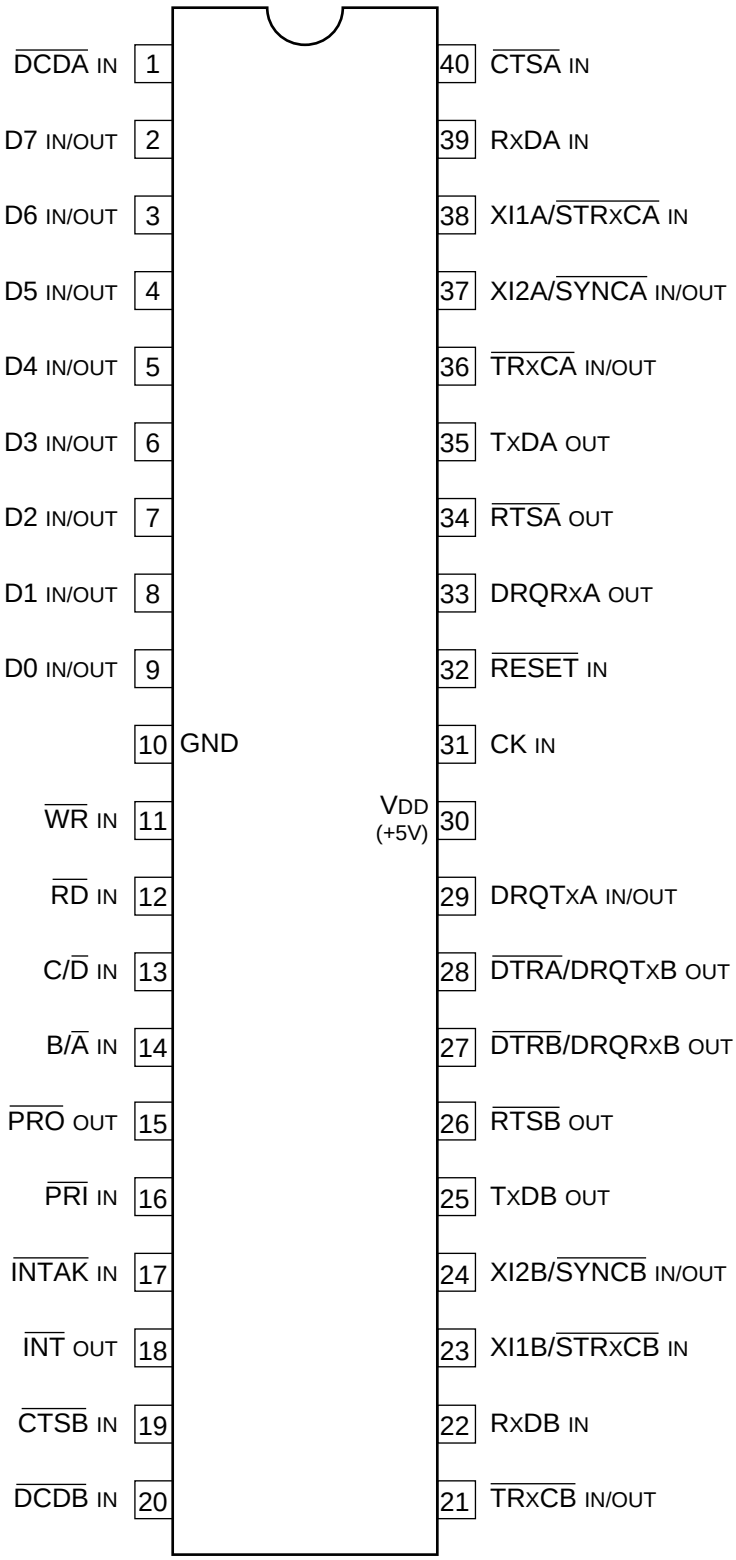
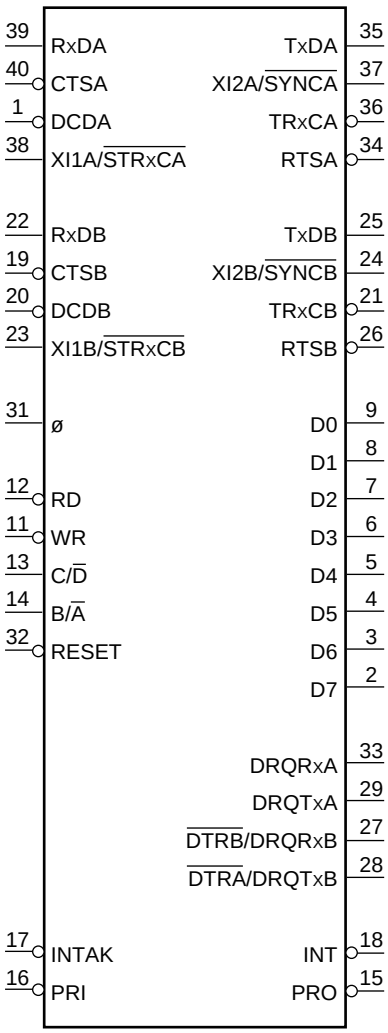
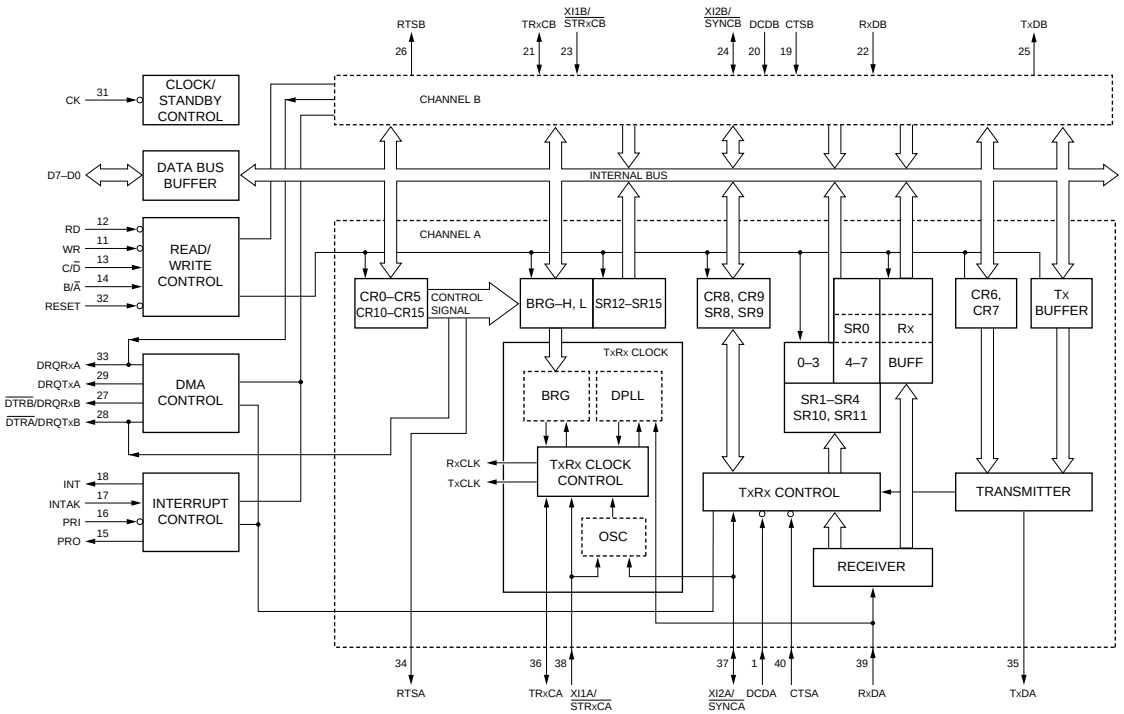
C-MOS ADVANCED MULTI-PROTOCOL SERIAL CONTROLLER

–TOP VIEW–







INPUTS				FUNCTION	
WR	RD	B/$\overline{A}$	C/$\overline{D}$		
0	1	0	0	CHANNEL A	WRITE (TxD)
		1		CHANNEL B	
1	0	0	0	CHANNEL A	READ (RxD)
		1		CHANNEL B	
0	1	0	1	CHANNEL A	WRITE (CONTROL REGISTER)
		1		CHANNEL B	
1	0	0	1	CHANNEL A	READ (STATUS REGISTER)
		1		CHANNEL B	
1	1	X	X	HIGH-IMPEDANCE	
0	0	X	X	INHIBIT	

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

CK ; SYSTEM CLOCK INPUT
WR ; WRITE ENABLE INPUT
RD ; READ ENABLE INPUT
B/$\overline{A}$; CHANNEL B/$\overline{A}$ SELECT INPUT
C/$\overline{D}$; CONTROL/$\overline{DATA}$ SELECT INPUT
D0–D7 ; DATA BUS INPUTS/OUTPUTS
INT ; INTERRUPT OUTPUT
INTAK ; INTERRUPT ACKNOWLEDGE INPUT
PRI ; PRIORITY INPUT
DRQTxA ; DMA REQUEST TxA OUTPUT
DRQRxA ; DMA REQUEST RxA OUTPUT
PRO ; PRIORITY OUTPUT

$\overline{DTRA}$/DRQTxB ; DATA TERMINAL READY A/DMA REQUEST TxB OUTPUT
$\overline{DTRB}$/DRQRxB ; DATA TERMINAL READY B/DMA REQUEST RxB OUTPUT
CTSA, CTSB ; CLEAR TO SEND A/B INPUT
DCDA, DCDB ; DATA CARRIER DETECT A/B INPUT
RTSA, RTSB ; REQUEST TO SEND A/B OUTPUT
RESET ; RESET INPUT