

PAGE OF THREE TABLES

TABLE OF COEFFICIENT RANGES						
k OPERAND						RANGE
$2^{-1}$	$2^{-2}$	$2^{-3}$	$2^{-4}$	$2^{-5}$	$2^{-6}$	
1	0	0	0	X	X	40-43
1	0	0	1	X	X	44-47
1	0	1	0	X	X	50-53
1	0	1	1	X	X	54-57
1	1	0	0	X	X	60-63
1	1	0	1	X	X	64-67
1	1	1	0	X	X	70-73
1	1	1	1	X	X	74-77

$2^{-1}$  OF THE k OPERAND IS ALWAYS SET BECAUSE k IS NORMALIZED.

TABLE OF RECIPROCAL INSERTION			
RANGE	BIT INSERTION POINTS		
60-77	$2^{-14} \rightarrow 2^{-29}$	$2^{-15} \rightarrow 2^{-30}$	$2^{-16} \rightarrow 2^{-31}$
50-57	$2^{-14} \rightarrow 2^{-28}$	$2^{-15} \rightarrow 2^{-29}$	$2^{-16} \rightarrow 2^{-30}$
44-47	$2^{-14} \rightarrow 2^{-27}$	$2^{-15} \rightarrow 2^{-28}$	$2^{-16} \rightarrow 2^{-29}$
40-43	$2^{-14} \rightarrow 2^{-26}$	$2^{-15} \rightarrow 2^{-27}$	$2^{-16} \rightarrow 2^{-28}$

THESE BIT POSITIONS ARE BIT POSITIONS OF THE RESULT WINDOW.

TABLE OF SQUARE ROOT INSERTION			
RANGE	BIT INSERTION POINTS		
70-77	$2^{-14} \rightarrow 2^{-27}$	$2^{-15} \rightarrow 2^{-28}$	$2^{-16} \rightarrow 2^{-29}$
50-67	$2^{-14} \rightarrow 2^{-26}$	$2^{-15} \rightarrow 2^{-27}$	$2^{-16} \rightarrow 2^{-28}$
40-47	$2^{-14} \rightarrow 2^{-25}$	$2^{-15} \rightarrow 2^{-26}$	$2^{-16} \rightarrow 2^{-27}$

C0034C0603