

## C47 Keyboard row 3

Key	Row	Column	Kind	Label	FullName	Extended description	Type	Catalog	Default
C47.31.11	3	1		STO	Store (register)	Store value in register or variable ; can be followed by +, -, x, ÷ for add into, subtract into, multiply into, divide into functions (TAM : STO __ TamSto menu ; TI : Rnn: (or <var>:))	Command	STO	
C47.31.12	3	1	f	x	Magnitude	Magnitude (absolute value) of complex number	Function (monadic)	x	
C47.31.13	3	1	g	∠	Argument (angle)	Argument (angle) of complex number	Function (monadic)	∠	
C47.31.31	3	1	alpha	G	G	Character G (Fontcode : 0047 <sub>16</sub> )	Character		
C47.31.32	3	1	alpha f	g	g lowercase	Character g (Fontcode : 0067 <sub>16</sub> )	Character		
C47.31.33	3	1	alpha g		Bar	Character   (Shortcut : alpha g [STO] ; Fontcode : 007C <sub>16</sub> )	Character		
C47.32.11	3	2		RCL	Recall (register)	Recall value from register or variable can be followed by +, -, x, ÷ for recall and add, recall and subtract, recall and multiply, recall and divide functions (TAM : RCL __ TamRcl menu ; TI : Rnn: (or <var>:))	Command	RCL	
C47.32.12	3	2	f	%	Percent	X Percent of Y, keeping Y on stack	Function (dyadic)	%	
C47.32.13	3	2	g	Δ%	Delta percent	Delta percentage from Y to X, keeping Y on stack (TI : Δ% :)	Function (dyadic)	Δ%	
C47.32.31	3	2	alpha	H	H	Character H (Fontcode : 0048 <sub>16</sub> )	Character		
C47.32.32	3	2	alpha f	h	h lowercase	Character h (Fontcode : 0068 <sub>16</sub> )	Character		
C47.32.33	3	2	alpha g	Δ	Delta	Character Δ (Shortcut : alpha g [RCL] ; Fontcode : 0394 <sub>16</sub> )	Character		
C47.33.11	3	3		R↓	Roll down	Roll down stack	Command	R↓	
C47.33.12	3	3	f	π	pi	Value of pi	Command		
C47.33.13	3	3	g	$\sqrt[x]{y}$	xth root	Xth root of Y	Function (dyadic)	$\sqrt[x]{y}$	
C47.33.31	3	3	alpha	I	I	Character I (Fontcode : 0049 <sub>16</sub> )	Character		
C47.33.32	3	3	alpha f	i	i lowercase	Character i (Fontcode : 0069 <sub>16</sub> )	Character		
C47.33.33	3	3	alpha g	π	pi lowercase	Character π (Shortcut : alpha g [R↓] ; Fontcode : 03C0 <sub>16</sub> )	Character		
C47.34.11	3	4		SIN	Sine	Sine	Function (monadic)	SIN	
C47.34.12	3	4	f	ASIN	Arc sine	Inverse sine	Function (monadic)	ASIN	
C47.34.13	3	4	g	i	Complex number (rectangular)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in a + b i (Info : In NIM, works like CC with RECT set ; displayed according to flag CPX <i>j</i> when in RECT mode)	Command	op_ <i>i</i>	
C47.34.31	3	4	alpha	J	J	Character J (Fontcode : 004A <sub>16</sub> )	Character		
C47.34.32	3	4	alpha f	j	j lowercase	Character j (Fontcode : 006A <sub>16</sub> )	Character		
C47.34.33	3	4	alpha g	SIN	Sine (string)	Characters SIN (Shortcut : alpha g [SIN] ("SIN"))	Character		
C47.35.11	3	5		COS	Cosine	Cosine	Function (monadic)	COS	
C47.35.12	3	5	f	ACOS	Arc cosine	Inverse cosine	Function (monadic)	ACOS	
C47.35.13	3	5	g	→R	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RP <sub>HP</sub> SET or CLEAR) ; transform complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x = Re = ; y = Im = (RECT) ; Info : in Program Entry Mode, flag RP <sub>HP</sub> determines whether →RECT <sub>HP</sub> or →RECT <sub>CX</sub> is stored)	Function (monadic ; dyadic)	→RECT	
C47.35.31	3	5	alpha	K	K	Character K (Fontcode : 004B <sub>16</sub> )	Character		
C47.35.32	3	5	alpha f	k	k lowercase	Character k (Fontcode : 006B <sub>16</sub> )	Character		
C47.35.33	3	5	alpha g	COS	Cosine (string)	Characters COS (Shortcut : alpha g [COS] ("COS"))	Character		
C47.36.11	3	6		TAN	Tangent	Tangent	Function (monadic)	TAN	
C47.36.12	3	6	f	ATAN	Arc tangent	Inverse tangent	Function (monadic)	ATAN	
C47.36.13	3	6	g	→P	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RP <sub>HP</sub> SET or CLEAR) ; transform complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RP <sub>HP</sub> determines whether →POL <sub>HP</sub> or →POL <sub>CX</sub> is stored ; 2D polar vectors indicated by superscript p : [r θ <sub>i</sub> ] <sup>p</sup> ; for a 3D vector in X, function →P (g [TAN]) cycles through →SPH, then →CYL)	Function (monadic ; dyadic)	→POLAR	
C47.36.31	3	6	alpha	L	L	Character L (Fontcode : 004C <sub>16</sub> )	Character		
C47.36.32	3	6	alpha f	l	l lowercase	Character l (Fontcode : 006C <sub>16</sub> )	Character		
C47.36.33	3	6	alpha g	TAN	Tangent (string)	Characters TAN (Shortcut : alpha g [TAN] ("TAN"))	Character		