

Flow Chart for Non-Blocking Driver for Keypad

[\(Ahmed Maged\)](#)

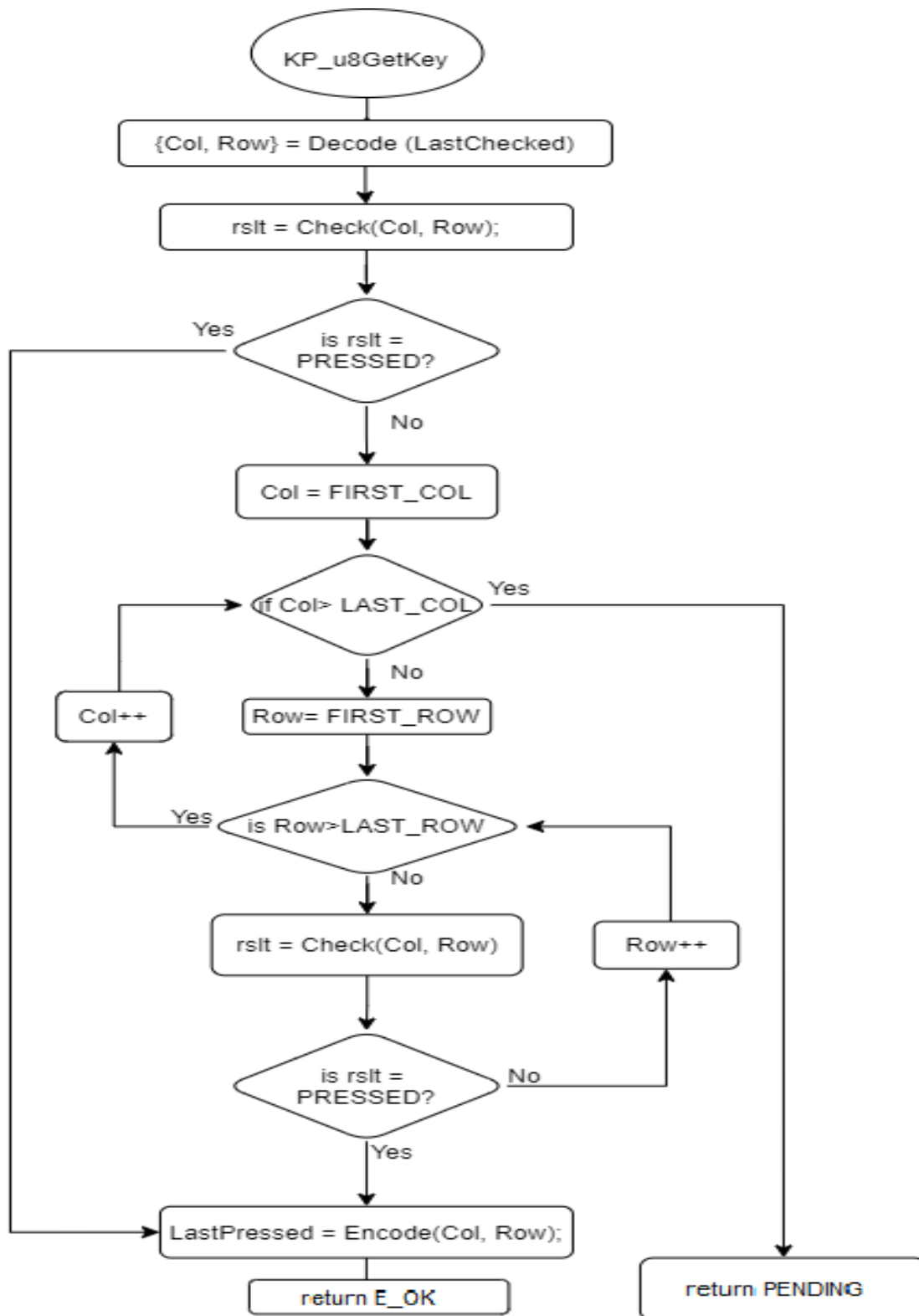
KP_eGetKey API

Function Name	KP_eKey(u8* u8KeyID)		
Arguments	inputs	N/A	
		description:	
	outputs	u8KeyID	u8*
		description: enum {0,...,15}	
	input/output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
	PENDING	2	
Description	used to get the pressed key		

Name	u8KeyID
Type	u8*
Range	{ 0:15}
Description	from 0 to 15 are Keys IDs u8 is defined in common/STD_TYPES.h

Name	RETURN
Type	ERROR_t
Range	{ 0:2}
Description	PENDING for no pressed Key, E_OK indicate a key pressed ERROR_t is defined in common/STD_TYPES.h

KP_u8GetKey API flow chart



Private function Check(Col, Row)

Function Name	Check(Col, Row)		
Arguments	inputs	Col	const u8
		description: the column number	
		Row	const u8
		description: the row number	
	outputs	N/A	
		description:	
	input/output	N/A	
		description:	
Return	E_OK	0	
	E_NOK	1	
Description	used to get the pressed key		

Name	Col
Type	u8
Range	{ 0, ..., 3}
Description	the Column pins

Name	Row
Type	u8
Range	{ 4, ..., 7}
Description	the Column pins

