

# ASIC 3507-06

Article-No:  
3507-06



RoHS compliant  
WEEE-Reg-No:  
DE 90465365

## Description

The WibuKey ASIC is the heart of the WibuKey protection hardware for connection to the USB interface of PCs, Apple Macintosh and others. Encryption works with WibuKey algorithm 1, 2 or 4 depending on up to 10 nonvolatile stored Standard Entries or Master Entries. The first 5 entries may have an additional entry – data, expiration date or limit counter – which then occupies one entry. The WibuKey ASIC 3507-06 has an additional 16 kbyte memory.

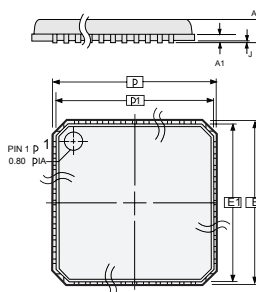
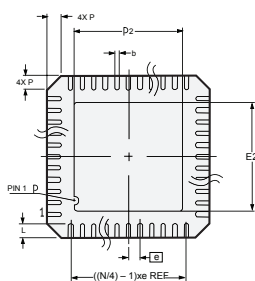
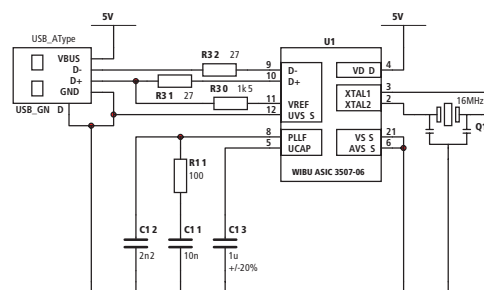
The communication is according to USB specifications. All data communication is realized by endpoint 0 control transfers with full speed (12 MBit). The USB interface guarantees trouble free communication even if many different devices are connected and easy implementation to any system.

WibuKey driver software supports Windows 98/ME/2000, Server2003 32/64 bit, XP 32/64 bit, Vista 32/64 bit, Mac OS 8/9/X and all Linux distributions supporting USB. The WibuBox/U(+) needs WibuKey Runtime 4.10 or higher.

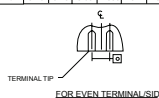
Other communication interfaces like asynchronous serial or 3wire synchronous communication are available on request.

## Technical Specifications

- Interface: USB 1.1, USB V2.0 compliant and certified, other interfaces on request
- Power supply: 2,7 V - 5,5 V (USB 4,4 V - 5,5 V)
- Power Consumption: 25 mA max. (typical 17 mA / 250  $\mu$ A configured / suspended)
- Temperature: -40...+85 degree C, non-condensing
- Package: 32-Lead QFN, Industrial & Green, compliant MO-220 JEDEC
- Weight: 0,13 g



	MM			INCH		
	MIN	NOM	MAX	MIN	NOM	MAX
A	-	0.85	0.90	-	.033	.035
J	0.00	0.01	0.05	.000	.000	.002
A1		0.20	ref		.008	ref
D/E		7.00	BSC		.276	BSC
D1/E1		6.75	BSC		.266	BSC
D2/E2	4.95	5.10	5.25	.195	.201	.207
N		32				
P	0.24	0.42	0.60	.009	.016	.024
e		0.65	BSC		.026	BSC
L	0.50	0.60	0.75	.020	.024	.030
b	0.23	0.28	0.35	.009	.011	.014



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