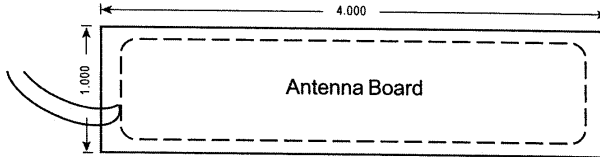
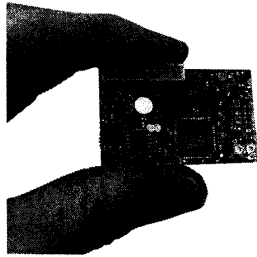
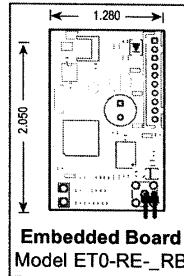


e*TAG® -QUASAR SPECIFICATIONS

All dimensions in drawings are indicated in inches.



PHYSICAL	Type	Embedded Board-Only Reader
Model	ET0-RE_RB	
Depth	0.500" (0.127 cm)	
Width	1.280" (3.25 cm)	
Height	2.050" (5.21 cm)	
Weight	0.40 oz (11.34 gm)	
Material	NA	
Color	NA	



E*Tag® Quasar boards for embedded applications are available with a tethered antenna board, or for use with a customer-supplied antenna. Compliant with ISO 15693 and 14443A standards, Quasar reader/writers are available with RS-232, RS-485 or TTL communications.

POWER REQUIREMENTS 5 VDC, 250 mA maximum

ENVIRONMENT	Temperature	-31° to +158 °F (-35° to +70°C)
	Humidity	0 to 95%, non-condensing
OPERATIONAL	Operating Frequency	13.56 MHz (ISO 15693 Compliant)
	Card/Tag Operation	Passive
	Communication	RS-232 (RS-485 and TTL also available)

This product complies with UL 294 Standards, with Part 15, Class B FCC Rules and CE European Standards.



WARRANTY (U.S. and Canadian)

"This product is warranted against defects in materials and workmanship for a period of 2 years from the date of purchase. Secura Key shall, at its option, either replace or repair this product, if returned to us freight prepaid within the warranty period. This warranty does not include freight, taxes, duties, or installation expenses. THE WARRANTY SET FORTH ABOVE IS EXCLUSIVE AND NO OTHER WARRANTY, WHETHER WRITTEN OR ORAL, IS EXPRESSED OR IMPLIED. SECURAKY SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The remedies provided herein are the buyers' sole and exclusive remedies. In no event shall Secura Key be liable for direct, indirect, special, incidental or consequential damages (including loss of profits), whether based on contract, tort or any other legal theory." Contact Secura Key for Card/Tag and Export Warranty Policies.

DISTRIBUTED BY:

Secura Key
A DIVISION OF STANBURY INC.

20447 Nordhoff Street, Chatsworth, CA 91311
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TOLL-FREE (800) 891-0020
Website: www.securakey.com
E-mail: mail@securakey.com

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READER CONNECTIONS:

TERM. #	WIRE COLOR	DESCRIPTION
1	BLACK	GROUND (-)
2	RED	5 VDC
7	GRAY	RS232-TXD
8	VIOLET	RS232-RXD

FCC ID: NNHETAG4-LPA1

Warning: This device complies with Part 15 of the Class B FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by Secura Key will void the user's authority to operate the equipment.



Declaration of Conformity

Manufacturer's Name: Secura Key, Division of Soundcraft Inc.
Manufacturer's Address: 20447 Nordhoff St, Chatsworth, CA 91311
Type of Equipment: Intentional Radiators, Low Power Unlicensed
Transmitter & Receiver
Model: e*Tag Quasar Reader
ETO-RE-AOB

The above mentioned unit is in compliance with the following product specifications:

FCC 47 CFR Part 15: Subpart B, Class B:
FCC 47 CFR Part 15: Subclause 15.225
FCC 47 CFR Part 15: Subclause 15.209
FCC 47 CFR Part 15: Subclause 15.207

We, the undersigned, hereby declare that the equipment specified
Above conforms to the above Rules and Standard(s).

Signature


Randy W. Watkins

Position: Dir Research & Development
Date: April 19, 2004
