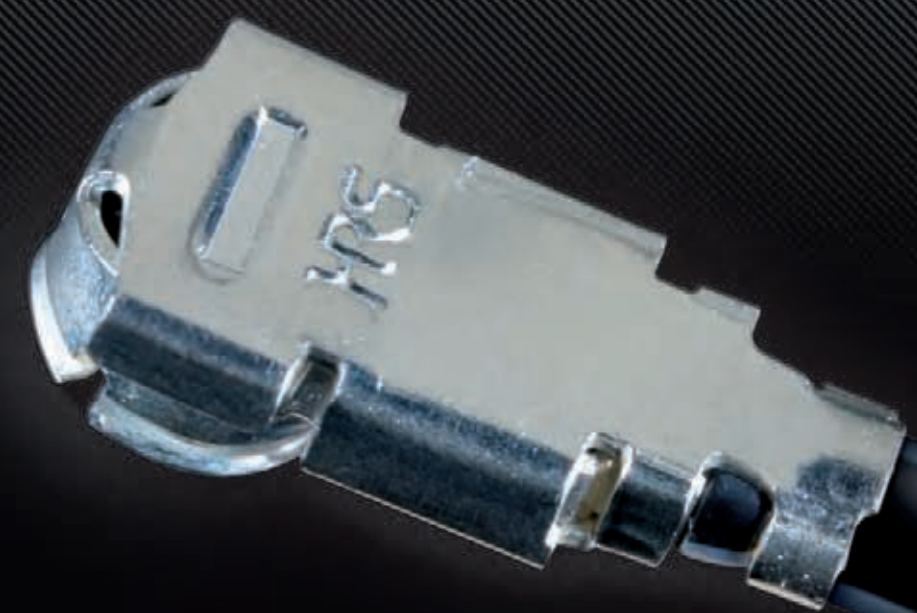


details



Get connected



Antenna  
adapters  
overview

For more information  
please visit our website:  
[www.sectron.eu](http://www.sectron.eu)

Or send your inquiries to  
[sales@sectron.cz](mailto:sales@sectron.cz)

**SECTRON s.r.o.**

Výstavní 2510/10  
709 00 Ostrava - Mariánské Hory  
Czech Republic

Phone: +420 596 639 953  
Fax: +420 597 579 333

Email: [sales@sectron.cz](mailto:sales@sectron.cz)  
[www.sectron.eu](http://www.sectron.eu)

Specifications are subject  
to change without notice.  
Copyright © 2010 SECTRON  
s.r.o. All rights reserved.

Other brands and product  
names are trademarks or  
registered trademarks of their  
respective holders.

**HRS** U.FL partner

**SECTRON**  
WIRELESS TECHNOLOGIES

## Company profile

SECTRON s.r.o. is a distribution and production company for M2M wireless industrial technologies GSM/GPRS/EDGE, UMTS/HSDPA, GPS, Bluetooth, WLAN, ZigBee, 868 MHz and for complete hardware accessories.

SECTRON is an authorized distributor of active electronic components of reputable brands such as Cinterion, Leadtek, Laird Technologies and offers a wide portfolio of passive electronic components including its own production of RF accessories (cable assemblies and antennas).

RF accessories for wireless modules are designed by our technical specialists. Cable assemblies are produced in the Czech Republic and antennas in Taiwan in cooperation with a company Chinmore. Antenna adaptors are assembled using cable types H155, RG58, LMR 195, RG174, RG178, RF 100A and Hirose and Murata ultra miniature coaxial cables of diameter starting at 0.81 mm.

Our customers are mainly system integrators, electronic components distributors and production companies with their own Research and Development.

SECTRON s.r.o. is a company with 100% Czech capital established in 1995.

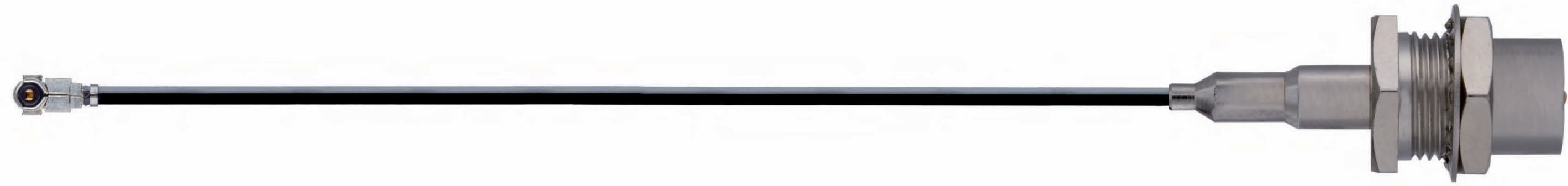
- 1995 Company establishment.
- 1996 Wholesale and retail of mobile phones and telecommunication. GSM dealer of Radiomobil (present T-Mobile) with the "Dealer of the year" award.
- 1999 Transfer of mobile phones wholesale and retail to our daughter company named SECTRON MOBILE. Establishment of Wireless Technologies Division and Mobile Phone Service Division in SECTRON. In the first year the Wireless Technologies Division had 4 employees and reached a 0.6 mil. EUR turnover.
- 2000 SECTRON became an Authorized Distributor of Siemens Wireless Modules.
- 2001 In the beginning of 2001 cable assembly production was launched and the first ultra miniaturized antenna adaptor designed by SECTRON was produced. The connector connection of antenna adaptor is protected by utility model. The first 16 000 antenna adaptors were produced. At the end of 2001 SECTRON became an authorized distributor for GPS modules of a Taiwan company Leadtek for Central Europe (Czech Republic, Poland and Slovakia).
- 2002 SECTRON produced 35 000 antenna adaptors, the company reached 1,9 mil. EUR turnover and had 7 employees.
- 2003 In the beginning of 2003 a partnership with Taiwan company Chinmore was concluded and the production of custom-made antennas was launched.
- 2004 ISO 9001:2000 for Quality management was introduced in SECTRON. The company produced 184 000 antenna adaptors; the company reached 4,7 mil. EUR turnover and had 21 employees.
- 2005 The portfolio of active components was extended by Ezurio brand (nowaday Laird Technologies with Bluetooth and WLAN technologies. SECTRON invested 145 000 EUR to modern antenna adaptors production.
- 2006 One of the long-term goals was reached; the company successfully enters further world markets. Our customers are settled in more than 26 countries of Europe, Asia, Africa, America and Australia.
- 2007 SECTRON was granted a certificate of HIROSE U.FL Partner by Hirose Japan. Company produced 253 000 antenna adaptors and reached 5,6 mil. EUR turnover.
- 2008 The company is focused on improving customer service. Working team has grown to 35 employees.
- 2009 SECTRON entered into another strategic partnership with Taoglas - the manufacturer of internal and external antennas.



**ISO 9001**  
REGISTERED QUALITY SYSTEM

**HRS** U.FL partner

# Antenna adaptors cross relation



# PCB connectors

Coaxial Cable				BNC	FAKRA				FME				GSC	MC CARD	MCX				MCX-RP	MMCX				
Type	Diameter	Insertion loss		Picture	Male	Male		Female	Male		Female	Female	Male	Male		Female		Female	Male		Female			
		1 GHz*	2 GHz**		Cable straight	Cable straight	Panel	Cable straight	Panel	Panel Rear	Cable straight	Cable straight	Cable R/A	Cable R/A	Cable straight	Cable R/A	Panel	Antenna Switch	Cable straight	Cable reverse	Cable straight	Cable R/A	Panel	Cable straight
Murata 0.4 D	0.83 mm	2,89 dB	4,28 dB																					
Hirose 040	0.81 mm	3,07 dB	4,38 dB																					
Hirose 068	1.13 mm	2,00 dB	2,90 dB																					
Hirose 066	1.32 mm	2,08 dB	2,97 dB																					
Hirose 088	1.37 mm	1,71 dB	2,48 dB																					
RG178	1.80 mm	1,51 dB	-																					
RG316	2.49 mm	0,96 dB	-																					
RG174 / RF100A	2.80 mm	0,97 / 0,76 dB	- / 1,10 dB																					
RG58	4.95 mm	0,53 dB	-																					
LMR195 / MWC 4/50	4.95 mm	0,38 dB	0,56 dB																					
H155	5.40 mm	0,31 dB	0,46 dB																					

MCX							
Male				Female			
EDGE	THD	EDGE		SMD		THD	
Straight	Straight	Straight	Straight	R/A	Straight	R/A	Straight
MME - 01	MMT - 01	MFE - 01	MFE - 02	MFS - 01	MFS - 02	MFT - 01	MFT - 02
MMCX							
Male				Female			
EDGE		EDGE		SMD		THD	
Straight	Straight	Straight	Straight	Straight	Straight	Straight	R/A
CME - 01	CFE - 01	CFE - 02	CFE - 03	CFS - 01	CFT - 01	CFT - 02	CFT - 03
MMCX		SMA				SMA-RP	
Female		Female				Male	
THD		EDGE		THD		SMB	
Straight	R/A	Straight	Panel straight	Straight	Cable straight	Straight	R/A
CFT - 04	CFT - 05	SFE - 01	SFT - 01	SFT - 02	SFT - 03	SRPMS - 01	SRPMS - 02
SMA-RP				SMB			
Male				Male			
THD				SMD		THD	
Panel R/A	Panel straight	Straight	Straight	R/A	Straight	R/A	Straight
SRPMT - 01	SRPMT - 02	SRPMT - 03	SRPMT - 04	SRPMT - 05	BMS - 01	BMS - 02	BMT - 01
SMB							
Male				Female			
THD		SMD		THD		THD	
Panel straight	Panel R/A	R/A	Cable straight	Straight	R/A	R/A	Straight
BMT - 02	BMT - 03	BMT - 04	BMT - 05	BFS - 01	BFS - 02	BFT - 01	BFT - 02

Coaxial Cable				N			SMA				SMA-RP			SMB				SMP	TNC			U.FL		
Type	Diameter	Insertion loss		Picture	Male	Female		Male		Female		Male		Female		Female	Male		Female		Female	Male		Female
		1 GHz*	2 GHz**		Cable straight	Cable straight	Panel	Cable straight	Cable R/A	Panel	Cable straight	Panel reverse	Cable reverse	Cable reverse	Cable straight	Cable R/A	Panel	Cable straight	Cable R/A	Cable R/A	Cable straight	Cable straight	Panel	Cable R/A
Murata 0.4 D	0.83 mm	2,89 dB	4,28 dB																					
Hirose 040	0.81 mm	3,07 dB	4,38 dB																					
Hirose 068	1.13 mm	2,00 dB	2,90 dB																					
Hirose 066	1.32 mm	2,08 dB	2,97 dB																					
Hirose 088	1.37 mm	1,71 dB	2,48 dB																					
RG178	1.80 mm	1,51 dB	-																					
RG316	2.49 mm	0,96 dB	-																					
RG174 / RF100A	2.80 mm	0,97 / 0,76 dB	- / 1,10 dB																					
RG58	4.95 mm	0,53 dB	-																					
LMR195 / MWC 4/50	4.95 mm	0,38 dB	0,56 dB																					
H155	5.40 mm	0,31 dB	0,46 dB																					

\* cable insertion loss (typical) for frequency 1 GHz and length of measured sample 1 meter  
 \*\* cable insertion loss (typical) for frequency 2 GHz and length of measured sample 1 meter

R/A - Right Angle  
 RP - Reverse Polarity

RP Female - female central pin / male outer connecting mechanism  
 RP Male - male central pin / female outer connecting mechanism

EDGE - Edgecard Mount Device  
 RP Male - male central pin / female outer connecting mechanism

SMD - Surface Mount Device  
 THD - Through Hole Device