



**POWER CONNECTORS**

**HCI® CONNECTOR SYSTEMS**

The HCI® connector system anticipates the continued trend toward increased system power demands that is driving the need for increased power density. The HCI® connector system is designed to address requirements that extend beyond the capability of FCI's proven PwrBlade® connector system, the industry standard for DC power supply interfaces and power distribution. The HCI® connector system likewise provides capability for both power and signal contacts in a single connector to enable power distribution and power control. Integrated HCI® power connector solutions, enabling DC power, AC power, and signal contacts in a single molded housing, also provide incredible flexibility to address requirements for custom configurations. The HCI® connectors employ stamped and formed power contacts, initially pioneered by FCI with its PwrBlade system, as an innovative and cost effective alternative to expensive screw-machined contacts for high-current applications.



The touch-proof HCI® housing is designed to optimize airflow. The housing permits airflow through the connector by providing vents above the signal field as well as vents above the power contacts that permit airflow away from the mated interfaces and along the entire length of the contacts.

Available HCI® options support standard coplanar (right-angle header to right-angle receptacle) and backplane (right-angle header to vertical receptacle) form factors.



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**RECHARGEABLE MICRO BATTERIES**



VARTA Microbattery combines entrepreneurial substance, strategic visions and technological competency for constantly improved products, application oriented designs and innovative product development. For more information please visit our internet page [www.varta-microbattery.com](http://www.varta-microbattery.com).

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Dimensions (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
<b>Rechargeable Ni-MH Battery Range</b>								
<b>Rechargeable Button Cells (Ni-MH)</b>								
V 15 H	55902	1.2	16	11.5	3.1			1.3
V 40 H	55904	1.2	43	11.5	5.35			1.7
V 80 H	55908	1.2	80	15.5	6.0			4.0
V 150 H	55915	1.2	150	15.5	14.1			25.8
V 200 H	55920	1.2	210	17.4	14.1			25.8
V 250 H	55925	1.2	250	25.1	6.7			10.0
CP 300 H	55930	1.2	300	25.1	7.55			11.0
V 350 H	55935	1.2	360	25.1	8.8			13.0
<b>V...HT robustHSC</b>								
V 65 HT	55707	1.2	70	15.5	6.0			4.0
V 110 HT*	55711	1.2	120	15.5	6.85			6.0
V 150 HT	55715	1.2	150	15.5	8.0			6.0
<b>V...NR powerful</b>								
V 6 HR	55996	1.2	6.2	6.8	2.15			0.20
V 20 HR	55902	1.2	21	11.5	2.25			0.9
V 60 HR*	55906	1.2	60	11.5	3.45			1.8
V 450 HR	55945	1.2	450	5.6	24.1	34.1	12.5	
V 600 HR	55960	1.2	600	6.8	24.1	34.1	14.5	
<b>V...HRT powerfulHSC</b>								
V 18 HRT	55902	1.2	19	11.5	2.3			0.9
V 500 HRT	55950	1.2	510	6.6	24.2	34.1	14.0	
V 500 HRT	55750	1.2	510	6.6	24.2	34.1	14.0	
V 600 HRT	55850	1.2	650	6.8	24.2	34.1	15.0	
<b>Rechargeable Cylindrical Cells (Ni-MH)</b>								
VH 700 AAA	55171	1.2	730	10.5	43.7			13.0
VH 1300 AA	55115	1.2	1340	14.4	49.2			25.0
VH 1600 AA	55119	1.2	1640	14.5	49.2			28.0
VH 1800 AA	55123	1.2	1850	14.5	49.2			27.0
VH 2100 4SA	55118	1.2	2150	17.0	43.0			35.0
VH 2700 A	55127	1.2	2700	16.7	48.8			40.0
VH 4000 4SA	55140	1.2	4000	17.5	67.5			55.0
VH 4300 43 FA	55143	1.2	4300	18.0	67.5			58.0
<b>Rechargeable Standard Batteries (Ni-MH)</b>								
V 718 H	05122	8.4	180	15.7	48.5	26.6	48.0	
V 618 H	05422	7.2	150	15.7	48.5	26.6	41.0	
V 718 H	05522	8.4	150	15.7	48.5	26.6	47.0	
V 718 H	05622	8.4	150	15.7	48.5	26.6	47.0	
V 618 H	05722	7.2	175	15.7	48.5	26.6	41.0	
CP 2010 H	55620	3.6	220	15.0	43.3	30.0	28.0	
CP 300 H NMS	55630	3.6	300	26.0	32.0		37.0	
CP 300 H NHT	55630	3.6	300	19.8	48.0	52.0	38.0	
<b>Rechargeable Lithium Battery Range</b>								
<b>Rechargeable Lithium-Polymer - VARTA PoLFlex® Series</b>								
PLF 223452 D	66210	3.7	360	2.3	52.2	34.0	8.0	
PLF 263441 D	66223	3.7	370	2.8	41.2	34.0	8.0	
PLF 323450 D	66221	3.7	590	3.4	49.4	34.0	10.0	
PLF 443441 D	66594	3.7	660	4.6	41.2	33.8	12.5	
PLF 383562 D	66355	3.7	980	4.0	61.4	35.0	17.0	
PLF 523450 D	66281	3.7	1000	5.4	49.4	34.0	16.0	
PLF 483759 D	66641	3.7	1170	4.8	58.7	37.0	21.0	
PLF 423566 C	66454	3.7	1060	4.4	66.2	35.0	22.0	
PLF 503759 D	66663	3.7	1300	5.2	58.7	37.0	22.5	
PLF 503562 D	66363	3.7	1320	5.2	62.2	36.0	24.0	
<b>Rechargeable Lithium-Polymer - EasyPack, 3.7 V</b>								
EPack 3.7V	66590	3.7	610	6.0	43.7	35.6	14.0	
EPack M-3.7V	66362	3.7	690	5.4	64.7	36.8	20.0	
EPack L-3.7V	66380	3.7	1110	6.6	64.7	36.8	25.0	
EPack XL-3.7V	66362	3.7	1520	6.6	64.7	36.8	25.0	
<b>Rechargeable Prismatic and Cylindrical Cells (Li-Ion)</b>								
<b>Li-Ion Can-Types</b>								
LIP 423048 AAL	56476	3.7	720	4.5	48.0	29.8	15.1	
LIP 423048 CC	56423	3.7	720	4.6	43.0	33.7	16.0	
LIP 463048 CC	56485	3.7	730	4.6	48.2	36.1	16.0	
LIP 533048 AL	56469	3.7	740	5.5	47.8	30.0	17.0	
LIP 223450 AAL	56428	3.7	880	4.6	50.0	34.2	18.0	
LIP 563450 UC	56427	3.7	1050	5.5	50.0	34.0	21.0	
LIP 523450 AAL	56425	3.7	1130	5.5	50.1	33.8	23.0	
LIP 663450 UC	56491	3.7	1230	6.6	50.0	34.0	25.5	
LIP 103450 RC	56420	3.7	1950	10.5	48.7	33.9	40.0	
<b>Li-Ion Pouch-Types</b>								
LPP 402025 CE	56416	3.7	150	4.3	25.0	20.9	3.7	
LPP 402934 CE	56417	3.7	310	4.0	34.2	29.2	3.7	
LPP 422339 PL	56477	3.7	380	4.1	39.5	23.5	7.5	
LPP 503048 6TH	56495	3.7	950	5.5	48.0	30.0	18.0	
LPP 473350 6TH	56479	3.7	970	4.7	50.0	33.0	17.1	
LPP 423450 DL	56493	3.7	1000	5.4	36.5	34.5	17.0	
LPP 503562 DL	56422	3.7	1300	5.2	42.5	35.5	21.0	
LPP 503759 DL	56478	3.7	1300	5.2	59.5	37.5	23.0	
LPP 503759 8TH	56427	3.7	1400	5.0	59.0	37.0	23.6	
LIP 454281 6TH	56428	3.7	1590	4.8	61.0	42.0	27.3	
<b>Li-Ion Round-Types</b>								
LIC 18650 22C	56920	3.7	2200	18.25	65.0		46.0	
LIC 18650 22L	56922	3.7	2200	18.4	65.1		46.0	
LIC 18650 24AC	56624	3.7	2400	18.4	65.0		46.0	
LIC 18650 26CC	56626	3.7	2600	18.4	65.0		47.0	
<b>Rechargeable Lithium Button Cells (Li-Ion)</b>								
MC 614	66514	3.0	1.5	6.8	1.4			0.18
MC 621	66521	3.0	3.0	6.8	2.15			0.24
ML 1229	66013	3.0	16.0	12.5	2.0			1.0

**Product Overview:  
11 different  
electro-chemical Systems**

**L' UNIONE FA LA FORZA!**

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**ae austriamicrosystems**

**AS1322, AS1329**

**DC-DC step-up 200mA @ 3.3Vout, 0.65Vin**  
**Alta efficienza a bassi carichi**

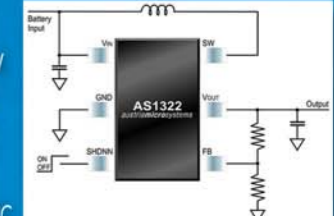
Due nuovi convertitori con tensioni di ingresso bassissime, modalità per la riduzione del consumo a bassi carichi e riduzione delle emissioni (EMI), efficienza 95%, corrente in Shutdown di solo 1µA, collegamento tra ingresso e uscita durante lo Shutdown per l'alimentazione di memorie o altri carichi in tampone



**Low Voltage DC-DC Step-Up Converter**

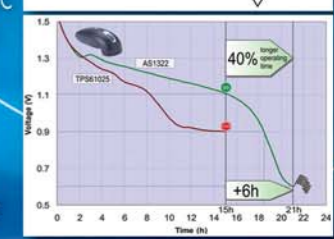
**CARATTERISTICHE:**

- Tensione di ingresso da 0,65V (AS1329) fino a 5V
- Elevata Efficienza fino a 95% (anche con piccoli carichi)
- Corrente in uscita >200mA@3.3V da una batteria AA singola (AS1329)
- Power save Mode per mantenere elevata efficienza anche a bassi carichi
- Continuous Switching Mode per ridurre le emissioni (EMI)
- Tensione di uscita regolabile tra 2.5V e 5.0V
- Collegamento tra ingresso e uscita durante lo Shutdown per alimentare memorie o altri carichi in tampone (AS1329)
- Corrente in Shutdown < 1µA
- Campo Temper. Industriale da -40°C a +85°C
- Package estremamente ridotto (TSOT 6 pin)
- AS1322 e AS1329 hanno stessa pinout



**APPLICAZIONI:**

- Sistemi portatili alimentati a batteria
- Sistemi che richiedono alta efficienza anche a bassi carichi



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