



# HC Signal Connector

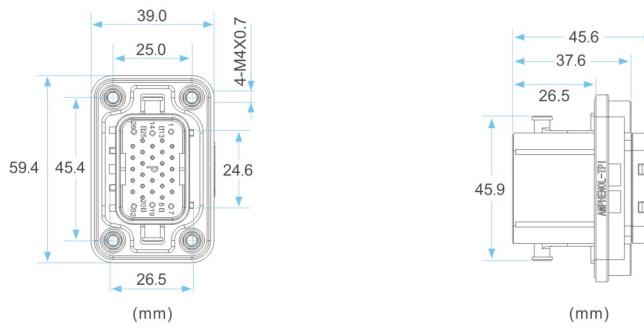
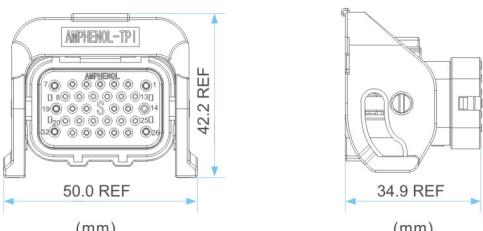
# HC Series Connectors

Amphenol HC Signal Series connectors are designed as a high-performance, cost-effective solution for the signal and power transmission for PDU in battery pack. The connector has integrated both signal and power transmission in one body.

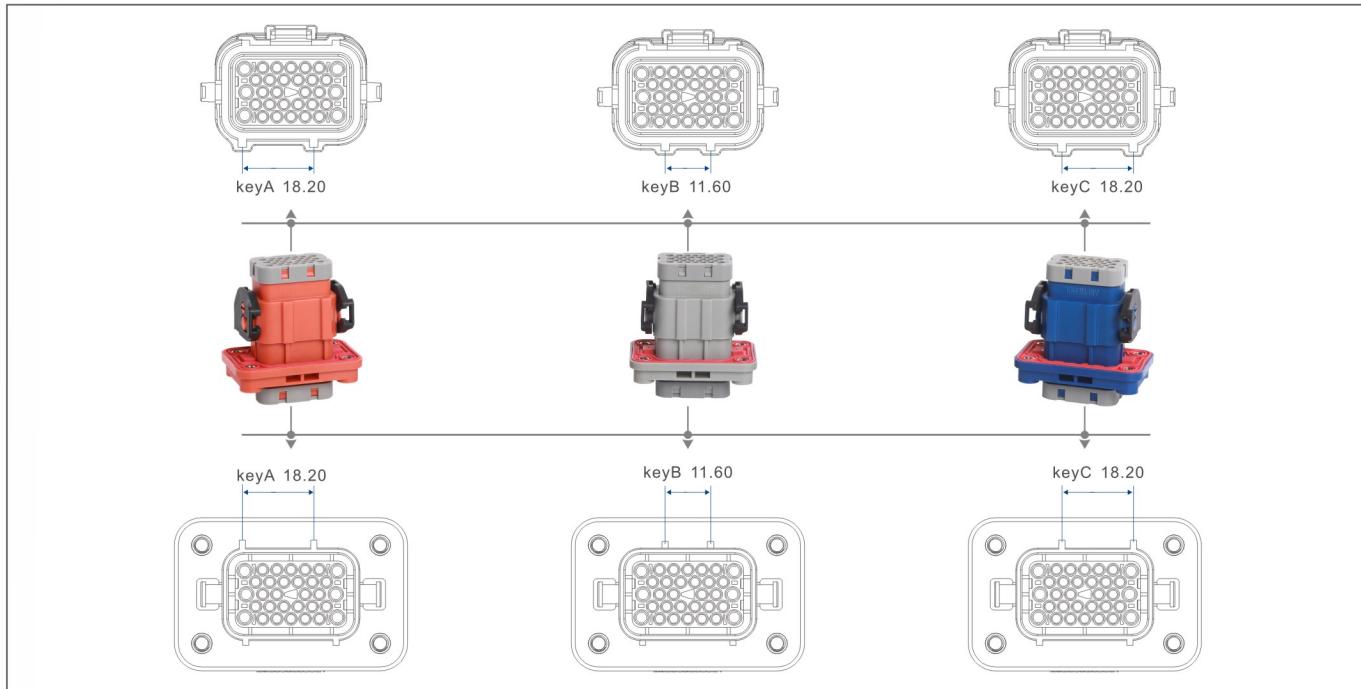
Key Features	Technical Data	Typical Applications
<ul style="list-style-type: none"> <li>Colored Body and Enhanced Rib for Blind Mating</li> <li>Up to IP68 Protection(mated)</li> <li>Scalable Pin Count Per Specific Requirement<sup>(1)</sup></li> <li>Available with Key A, B and C Option</li> <li>Available with CPA Option</li> </ul>	<ul style="list-style-type: none"> <li>Pin Count: 32pin</li> <li>Current Rating: Power: 13A MAX Signal: 5A MAX</li> <li>Cable Size: Power: 14~18 AWG Signal: 20~22AWG</li> <li>Dielectric Withstanding Voltage: 3000VDC</li> <li>Operating Temperature: -40°C - +125°C</li> <li>IP Rating: IP6K9K, IP68(mated, subersion in 1M depth water with 48 hours.)</li> <li>Mating Cycle: 100Min</li> <li>Air leakage: 60KPa</li> <li>Fire Classification: UL94-V0</li> </ul>	<ul style="list-style-type: none"> <li>Signal and Power Transmission for PDU</li> </ul>

(1) Offer pin plug for unused pin seal

## Dimensions

32POS Connector Receptacle	32POS Connector Plug
 	

## HC Signal Key Map



## Ordering Information

Product Type		Connector Type		Polarization	Series		Installation Type	
HC	HC Signal	08	Receptacle Connector	A B C	P32	32POS	R	Rear mounted

### Terminal & Cable & Seal Plug Options

Receptacle	Terminal Type	Terminal Part Number	Wire gauge	Wire OD range	Seal Type	Seal Part Number
HC08A-P32-R	16#(power)	HCTM215XX	16-18 AWG	2.24-3.00mm	16#(power)	AC-CP000383
HC08B-P32-R						
HC08C-P32-R	20#(signal)	HCTM121XX	20-22 AWG	1.35-2.50mm	20#(signal)	AC-CP000382

Product Type		Connector Type		Polarization	Series		CPA	
HC	HC Signal	18	Plug Connector	A B C	S32	32POS	Blank	Without CPA
							2	With CPA

### Terminal & Cable & Seal Plug Options

Plug	Terminal Type	Terminal Part Number	Wire gauge	Wire OD range	Seal Type	Seal Part Number
HC18A-S32	16#(power)	HCTF215XX	16-18 AWG	2.24-3.00mm	16#(power)	AC-CP000383
HC18B-S32						
HC18C-S32	20#(signal)	HCTF121XX	20-22 AWG	1.35-2.50mm	20#(signal)	AC-CP000382

(1)Terminal plating specification:  
 XX=01 gold flash plate overall  
 XX=04 Tin over nickel

**⚠ The information contained in this data sheet is for reference only**

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