



HC Signal Connector

HC Series Connectors

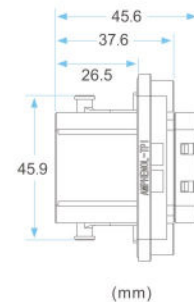
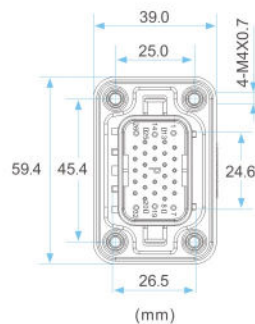
Amphenol HC Signal Series connectors are designed as a high-performance, cost-effective solution for the signal and power transmission for PDU in battery pack. The connector has integrated both signal and power transmission in one body.

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

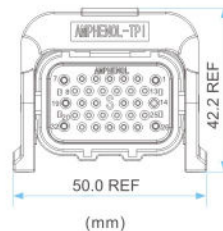
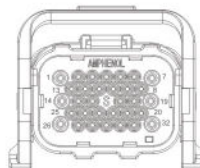
(1) Offer pin plug for unused pin seal

► Dimensions

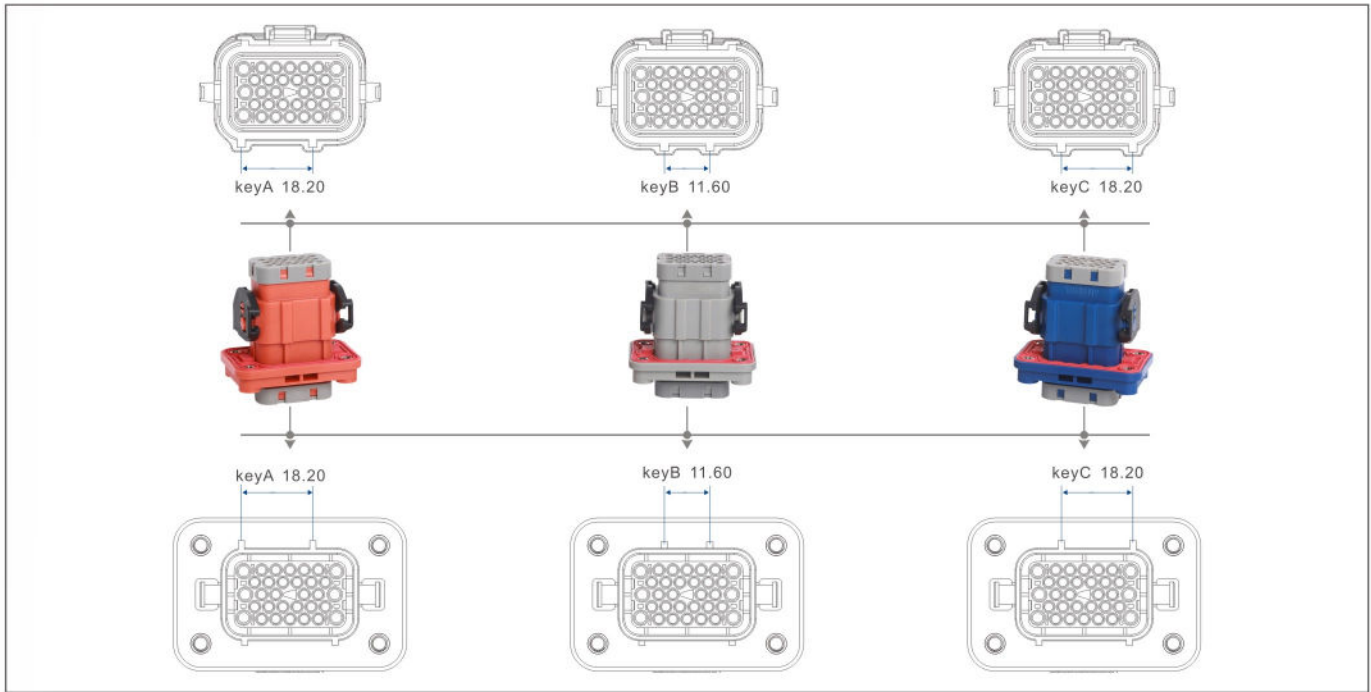
32POS Connector Receptacle



32POS Connector Plug



HC Signal Key Map



Ordering Information

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

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	20#(signal)	HCTM121XX	20-22 AWG	1.35-2.50mm	20#(signal)	AC-CP000382
HC08C-P32-R						

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

Terminal & Cable & Seal Plug Options

Plug	Terminal Type	Terminal Part Number	Wire gauge	Wire OD range	Seal Type	Seal Part Number	
HC18A-S32	HC18A-S32-2	16#(power)	HCTF215XX	16-18 AWG	2.24-3.00mm	16#(power)	AC-CP000383
HC18B-S32	HC18B-S32-2	20#(signal)	HCTF121XX	20-22 AWG	1.35-2.50mm	20#(signal)	AC-CP000382
HC18C-S32	HC18C-S32-2						

(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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