



HC Signal Connector

HC Series Connectors

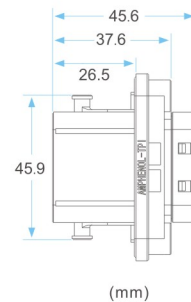
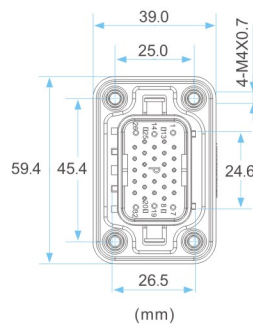
Amphenol HC Signal Series connectors are designed as a high-performance, cost-effective solution for the signal and power transmission for PDU in battery pack. The connector has integrated both signal and power transmission in one body.

Key Features	Technical Data	Typical Applications
- 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	- 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	Signal and Power Transmission for PDU

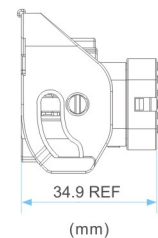
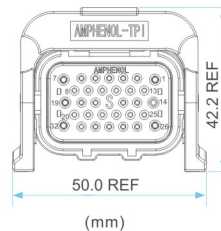
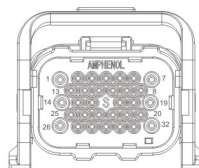
(1) Offer pin plug for unused pin seal

Dimensions

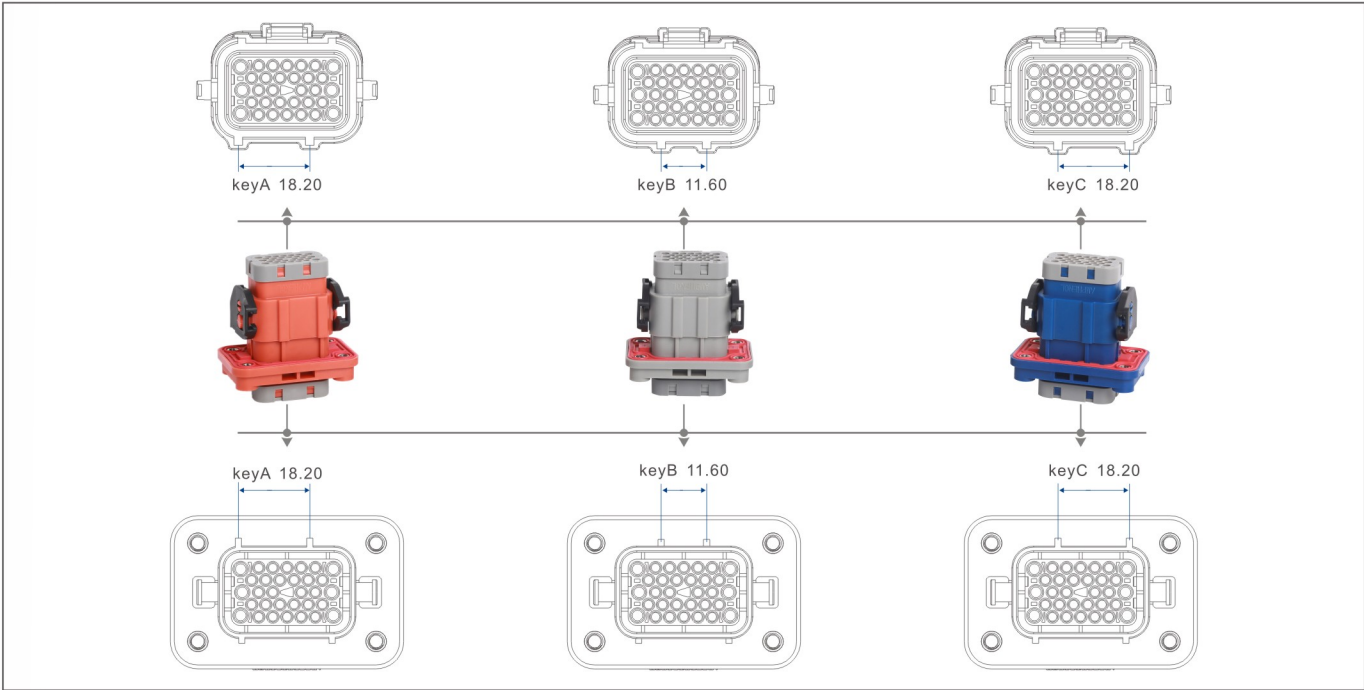
32POS Connector Receptacle



32POS Connector Plug



HC Signal Key Map



Ordering Information

Product Type		Connector Type		Polarization		Series		Installation Type	
HC	HC Signal	08	Receptacle Connector	A	B	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	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	A	B	S32	32POS	Blank	Without CPA
				C				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	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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Asia Pacific

ChangZhou, China

Tel +86 519-8981 9713

Add No.11 Fengxiang Road, New District,
Changzhou, Jiangsu, China

P.C 213001

GuangZhou, China

Tel +86 20-3210-6099

Add 9th Floor, No.10, the 4th Street, Kehui
Jingu, Huangpu District, Guangzhou, China

P.C 510663

North America

Winnipeg, Canada

Tel +1 204 697 2222

Add 2110 Notre Dame Avenue

Nogales, Mexico

Tel +52(55) 5258 9984

Add 482 Mariposa Road Building A, 85621

Sales Manager(North America): Alexander Rothmeier

Tel (USA) +1(1) 516-655-2787

Email arothmeier@tpil.com

Sales Manager: Sherlock Wan

Tel +86 15950460386

Email sherlock.wan@amphenol-gec.com

Product Manager: George Chen

Tel +86 13413169243

Email george.chen2@amphenol-gec.com

Email info@Amphenol-GEC.com