

### **HYBRID & ELECTRIC VEHICLES**

Components for Infrastructure, Connectivity and On-Board Systems



#### **High-Voltage Connectors and Components for EV OEMs**

TTI stocks the premier electrical components that hybrid and electric vehicle manufacturers and suppliers need to keep production lines running. From plug-in hybrids, to medium duty trucks, charging stations, and motor controllers, TTI Transportation Specialists have a full range of interconnect, passive and electromechanical components in stock and available to sell. Contact your local branch today at 1.800.CALL.TTI or visit us online at ttiinc.com/hev-ev-vehicle.



































































Reach your local sales team at 1.800.CALL.TTI

## Plug-in Vehicle Overview

Capacitors

**IGBT** 

MOSFET

Rectifier

Inductors

Optocoupler

Resistors

Heatsink Relays

**PCB Relays** 

Sensors

Current

Infrared

Pressure

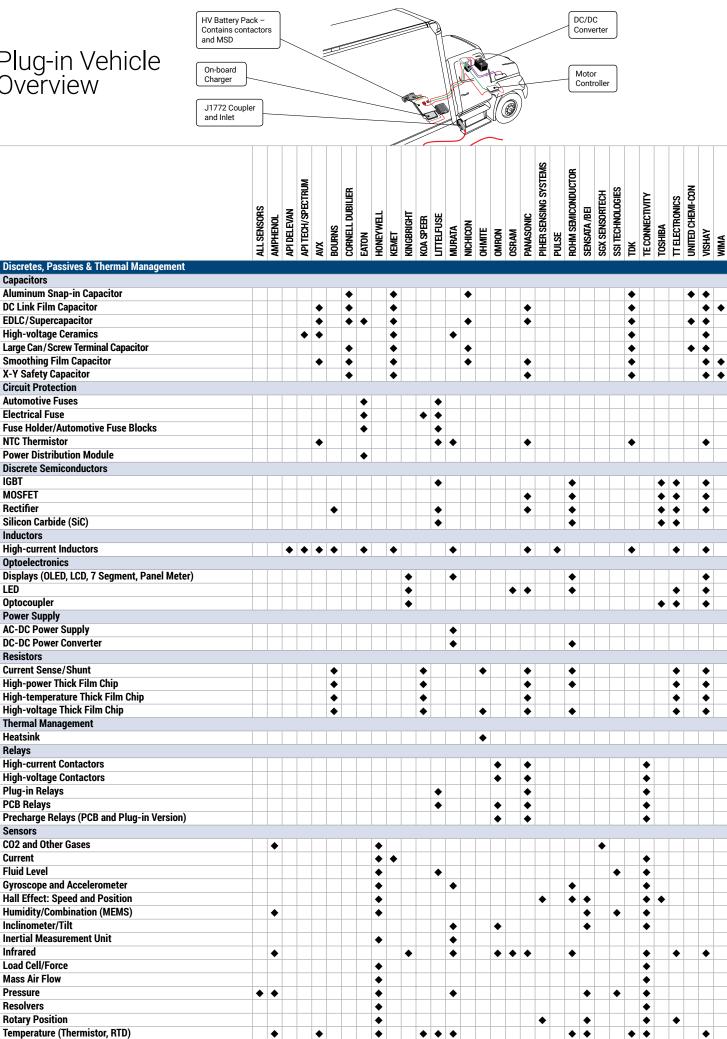
Resolvers

**Mass Air Flow** 

Fluid Level

**Power Supply** 

LED



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EV Suppliers by Product										
J1772 Coupler		4	• •	•					•	<b>*</b>
J1772 Inlet			•	•					•	
J1772 CCS			•	•					•	
Contactors				<u> </u>			•	•	-	•
MSD		4					•	Ť		•
HV 0-100A Connectors				•						•
HV 200A Connectors				+	•	•				•
HV 300A Connectors			•		_	•				•
HV 400A+ Connectors						_				Ť
Pass-through Systems						_				
EVSE Board Products				•		_		_	_	<b>*</b>
				INFRASTRUCTURE	VEHICLE OEM	BATTERY PACK 0EM	ELECTRIC MOTOR OEM	MOTOR CONTROLLER DEM	ON-BOARD CHARGER OEM	DC/DC CONVERTER
EV Market Segment by Product										
J1772 Coupler				•						
J1772 Inlet					•					
J1772 CCS				•						
Contactors				•	•	•				
MSD					•	•	L.			
HV 0-100A Connectors					•		•	•	•	•
HV 200A Connectors				-	•	•	•	•	•	•
HV 300A Connectors					•	•	•	•	•	•
HV 400A+ Connectors					•	•	•	•		H
Pass-through Systems EVSE Board Products				<b>*</b>	•		•	•		
Connection System	Term Type		Curre	ent	Voltage		ge	Shield		

Connection System	Term Type	Current	Voltage	Shield	
Amphenol APT/HVPT	Ring		1000	Internal	
Amphenol ePower	8mm-11mm Pin/Soc	200-400	1000	Internal	
Amphenol ePower-Lite	3.6mm Pin/Soc	70	1000	Internal	
Amphenol Powerlok	4.0mm-14mm Pin/Soc	40-500	1000	Internal	
Amphe-Power	2.4mm - 9.1mm Pin/Soc	63 - 300	1000	External*	
Amphe-Push-Pull	5.7mm - 14.0mm Pin/Soc	120 - 500	1000	External*	
Amphenol Radlok	3.6mm - 12.0mm Pin/Soc	70 - 400	1000	None	
Amphenol Rhino 38999	4.8mm - 23.1 Pin/Soc	85 - 1000	630	Internal	
Amphenol Surlok	3.6mm - 14.0mm Pin/Soc	70 - 500	1000	None	
Amphenol UPC	9.1mm - 12mm Pin/Soc	250 - 400	1000	Internal	
Aptiv/Delphi HV150	1.5mm Box/Blade	16	600	None	
Aptiv/Delphi APEX HV280	2.8mm Box/Blade	35	750	External	
Aptiv/Delphi HV280	2.8mm Box/Blade	40	600	Internal	
Aptiv/Delphi APEX HV950	9.5mm Box/Blade	70	750	None	
Aptiv/Delphi HV1000	10mm Box/Blade	145	600	Internal	
Aptiv/Delphi HV2000	20mm Box/Blade	250	600	Internal	
Aptiv/Delphi RCS800 & 890	8mm Pin/Soc	230	1000	External	
Aptiv/Delphi Pass-through	Ring	n/a	600	Internal	
ITT APD	2.4mm Pin/Soc	29	500	None	
ITT Ring Tongue	Ring	n/a	900	Internal	
KOSTAL PLK 14.5	14.5mm Box/Blade	235	600	Internal	
Molex Imperium	8mm-14mm Pin/Soc	230-400	1000	Internal	
Molex Maxloc Plus	8mm-14mm Pin/Soc	230-400	1000	Internal	
Molex Maxloc (pass-thru)	Ring	n/a	1000	Internal	
TE Connectivity EV600	Screw Terminal	600	28-1000	Internal	
TE Connectivity HVA280	2.8mm Box/Blade	30	600-750	Internal	
TE Connectivity HVA630	6.3mm Box/Blade	70	600	Internal	
TE Connectivity HVA950	9.5mm Box/Blade	90	600	Internal	
TE Connectivity HVP800	8mm Pin/Soc	200-250	850	Internal	
TE Connectivity HVP1100	11mm Pin/Soc	320	750	Internal	
TE Connectivity IPT	Ring	n/a	800	Internal	





# Why Buy from the Specialist in **Electronic Component Distribution?**

Founded in 1971, TTI has steadily grown to become the world's leading interconnect, passive, electromechanical and discrete component distributor in the industry. The company was founded on the premise that passive component purchasing could be made more efficient by offering product specialization, customer-driven service, and proprietary supply chain solutions.



### **Knowledgeable Product Experts**

Specialization allows TTI product managers to provide much better product insight to support your manufacturing from design through production. TTI Specialists' commitment to our customers is key to our continued success.



## **Broader and Deeper Inventories**

TTI maintains extensive component inventories, stocking more than 500,000 part numbers in North America and over 850,000 globally – that's more interconnect, passive, electromechanical and discrete inventory available than from any other source.



#### AIM - Advanced Inventory Management Platform

TTI's proprietary supply chain system is specifically designed for managing IP&E products and partnerships with premier manufacturers. This allows us to provide the BOM coverage necessary to deploy comprehensive solutions that reduce total cost of ownership and mitigate line down risk.

#### Quality and Reliability

TTI is the first distributor to have all global warehouse locations ISO registered and currently are certified to ISO 9001 with AS9100C and ISO 14001 in North America, ISO 9001, EN 9100, ISO 14001 and EN 9120 in TTI Europe and ISO 9001 in TTI Asia.

Year after year, customers rate our inventory availability, on-time delivery and accuracy among the very best in the industry – call your local TTI Specialists at 1.800.CALL.TTI and discover why.











