13145 Series – Board to FPC Connector -

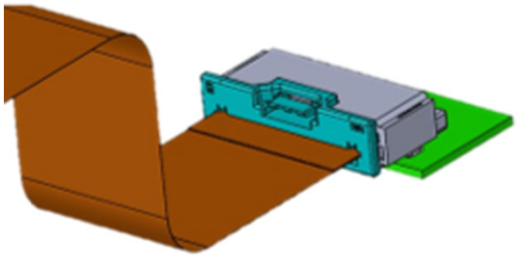


13145 Series is a 2.0mm pitch board-to-FPC connector for automotive device interfaces.
High reliability based on board-to-board design experience allows FPC to be used in applications where FPC connections are not normally used. Designed for high temperature environments, with an upper limit of 125°C.
The board side header is 13054B Series, and in addition to the FPC type, wire type or wire type with CPA lock are also available.
Compatible with LV214 and USCAR2.

【Target Application】
Vehicle battery monitoring systems, on-board chargers, inverters

Lightweight and more flexible design

Replacing conventional wiring connections with FPCs contributes to reducing the weight of the entire set. In addition, the use of FPCs increases design freedom and enables mounting on the edge of the board.

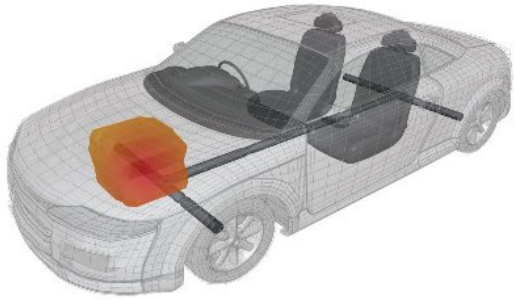


Three types of keying prevent mis-mating

Three types of polarizing keys are available to prevent incorrect mating.

Improved environmental resistance

The 13145S Series is compliant with USCAR2 and LV214. It has vibration resistance and high temperature resistance (125℃) equivalent to level 4 and was developed for internal connection applications in automotive powertrain devices in harsh environmental conditions.



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13145 Series - Board to FPC Connector -

IMSA-13145S-XXY9XX

Product Spec

Item	Unit	Specification
Pitch	mm	2.0
Available Cable	-	FPC/FFC
Pin Counts	ckt	16,20,24,28,36
Operating Temperature Range	℃	-40～+125
Rated Current	A	1
Rated Voltage	V	32
Contact Resistance	mΩ	Max 10 (Initial)
Withstand Voltage	V	510
Durability (Insertion/Withdrawal)	times	20

Plug

Parts	Material	Plating
Housing	-	-
Retainer	-	-
Contact	-	-
Metal Flange	-	-

Socket

Component	Material	Plating
Housing	LCP	-
Contact	Corson alloy	Gold
Metal Flange	Stainless Steel	Tin

＊For packaging info, please refer to our packaging drawing.
＊Contents are subject to change without prior notice, due to our quest for improving product performance. Dimensions and specifications described herein are limited to major items. For more details on how to use this connector, please request a drawing and specification sheet. *Specifications may be subject to changes without prior notice, due to our quest for improving product performance.

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