

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1600280001](#)  
**Status:** **Active**  
**Overview:** [stAK50h Connection System](#)  
**Description:** [stAK50h Hybrid Receptacle, 32 Circuits, Key 1, Rib Option A, Black, Bag](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-160014-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-31302-266-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary 1600140000-TS-000 (PDF)</a>
<a href="#">Product Specification 1600140001-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-160014-9001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 1600140001-AS-CH-000 (PDF)</a>	

**Application tooling part link**

Application Tooling Part Link [200222-0100](#)

**General**

Product Family	Crimp Housings
Series	<a href="#">160028</a>
Application	Automotive, Power, Signal, Wire-to-Board
Overview	<a href="#">stAK50h Connection System</a>
Product Name	stAK50h
UPC	887191924540

**Physical**

Circuits (maximum)	32
Color - Resin	Black
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	SPS
Net Weight	5.360/g
Number of Rows	5
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm, 4.00mm
Pitch - Termination Interface	2.00mm, 4.00mm
Polarized to Mating Part	Yes
Ports	1
Stackable	No
Temperature Range - Operating	-40° to +85°C

**Material Info**

**Reference - Drawing Numbers**

Application Specification	1600140001-AS-CH-000, AS-160014-001-001
Packaging Specification	PK-31302-266-001
Product Specification	1600140001-000, PS-160014-9001
Sales Drawing	SD-160028-0001-000, SD-160028-002-001
Test Summary	1600140000-TS-000



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[160028](#) Series

**Mates With**

stAK50h Hybrid Header [2005010321](#) ,  
[2005020321](#)

**Use With**

TAK50 0.50mm Terminal [200096](#) or TE  
NanoMQS 0.50mm Terminal <br>Delphi  
OCS 1.20mm Terminal or JST MSA 1.20mm  
Terminal

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

Extraction Tool for stAK50h Connector System	<a href="#">2002220100</a>
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