



Part Number : 2005020283

Series Number : 200502

Product Category : PCB Headers and Receptacles

Product Description : stAK50h Right-Angle Hybrid Header, 28 Circuits, Key 3, Gray, Tube

Status : Active

Documents & Resources


Drawings
Drawing 2005020283_sd.pdf
Packaging Design Drawing 2005028100-000.pdf

3D Models and Design Files
3D Model 2005020283_stp.zip

Specifications
Application Specification 2005060000-AS-000.pdf
Application Specification 2005060000-AS-CH-000.pdf
Product Specification 2005060001-PS-000.pdf
Product Specification 2005060001-PS-CH-000.pdf
Test Summary 2005000280-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	200502
Description	stAK50h Right-Angle Hybrid Header, 28 Circuits, Key 3, Gray, Tube
Application	Automotive, Power, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	stAK50h Connection System
Product Name	stAK50h
UPC	889056679756

Electrical

Current - Maximum per Contact	12.0A, 5.0A
Voltage - Maximum	14V DC

Physical

Breakaway	No
Circuits (Loaded)	28
Circuits (maximum)	28
Color - Resin	Gray
Durability (mating cycles max)	10
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes

Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	SPS
Number of Rows	5
Orientation	Right Angle
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.00mm, 4.00mm
Pitch - Termination Interface	2.00mm, 4.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	Yes
Temperature Range - Operating	-40° to +105°C LV-214, -40° to +85°C GMW3191 June2012
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
stAK50h Hybrid Receptacle, 28 Circuits, Key 3, Light Gray, Bag	<u>1600140013</u>