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Part Number: [0430452224](#)
Status: **Active**
Overview: [microfit_30](#)
Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Dual Row, Vertical, with Press-fit Metal Retention Clip, 22 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:

3D Model	Product Specification PS-43045 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	43045
Application	Wire-to-Board
Comments	High Temperature Square Pin Offset Through Hole Mounting Solder Type
Overview	microfit_30
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0™

Physical

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Mated Height (in)	0.680 In
Mated Height (mm)	17.27 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No

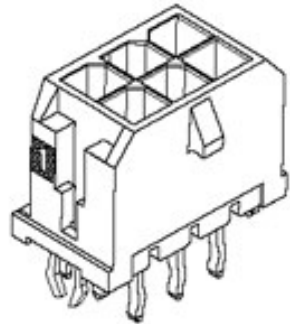


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[43045Series](#)

Mates With
[43025](#)

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Kinked Pin

Electrical

Current - Maximum per Contact	5A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

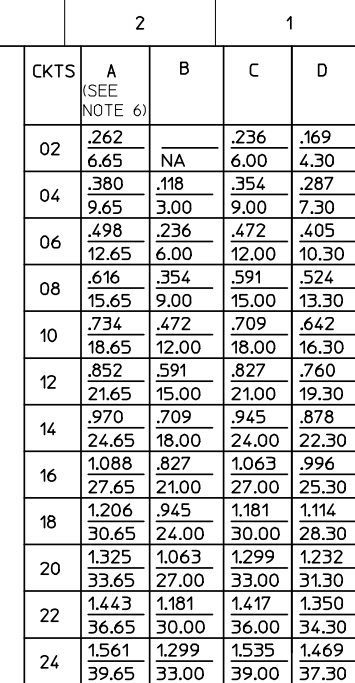
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0314
Product Specification	PS-43045, RPS-43045-003, RPS-43045-004
Sales Drawing	SD-43045-009
Test Summary	TS-43045-001

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A cross-sectional diagram of a press fit retention clip. The clip is shown in a hatched cross-section, indicating it is a solid part. It is designed to fit into a slot within a larger assembly. The clip has a central body with two angled, hook-like ends that extend downwards into the slot. A leader line points from the text 'PRESS FIT RETENTION CLIP' to the central body of the clip.

	FINISH A	FINISH B	FINISH C
CKTS	MATERIAL NO:	MATERIAL NO:	MATERIAL NO:
02	43045-0224	43045-0225	43045-0226
04	43045-0424	43045-0425	43045-0426
06	43045-0624	43045-0625	43045-0626
08	43045-0824	43045-0825	43045-0826
10	43045-1024	43045-1025	43045-1026
12	43045-1224	43045-1225	43045-1226
14	43045-1424	43045-1425	43045-1426
16	43045-1624	43045-1625	43045-1626
18	43045-1824	43045-1825	43045-1826
20	43045-2024	43045-2025	43045-2026
22	43045-2224	43045-2225	43045-2226
24	43045-2424	43045-2425	43045-2426

tb_frame_C_P_ME_T
Rev. E 2006/04/15