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Pushing Performance
Since 1945

SEK mezz Fe 50P THR 2.9mm PL3



Image is for illustration purposes only. Please refer to product description.

Part number	09 19 550 7824 741
Specification	SEK mezz Fe 50P THR 2.9mm PL3

Identification

Category	Connectors
Series	SEK Mezzanine
Element	Female connector
Description of the contact	Straight

Version

Termination method	Reflow soldering termination (THR)
Connection type	PCB to PCB Motherboard to daughtercard
Number of contacts	50
Termination length	2.9 mm
Pack contents	Tape & reel

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	$>10^9$ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 ... +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion force	≤150 N
Withdrawal force	≤150 N
Performance level	3

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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Technical characteristics

Mating cycles	≥50
Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Sn over Ni Termination side Au over Pd/Ni Mating side
Material flammability class acc. to UL 94	V-0

Specifications and approvals

Specifications	IEC 60603-13
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	1
Net weight	12.65 g
Country of origin	China
GTIN	5713140916180
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

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