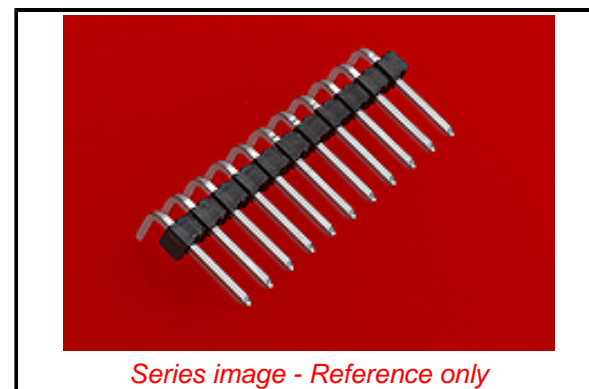


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022288180](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 18 Circuits, Tin (Sn) Plating, Mating Pin Length 6.20mm

Documents:

3D Model	Packaging Specification PK-40873-0041-001 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-22-28-8181-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-10-07-001 (PDF)	



Series image - Reference only

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

Application Tooling Part Link	11-20-1230
-------------------------------	------------

General

Product Family	PCB Headers
Series	42377
Application	Board-to-Board, Signal, Wire-to-Board
Overview	KK® Interconnect System - Molex
Product Name	KK 254
UPC	800754240109

Physical

Breakaway	Yes
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.260/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	See Product Specification

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[42377 Series](#)

Mates With

KK Crimp Housing [2695](#) , [6471](#) , [7880](#) , KK
PC Board Connector [4455](#)

Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 4.0A
Voltage - Maximum 500V

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
Lead-freeProcess Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 235

Material Info

Engineering Number 42377-0018

Reference - Drawing Numbers

Packaging Specification PK-40873-0041-001
Product Specification PS-10-07-001
Sales Drawing SD-42377-001-000, SD-42377-001-002
Symbol/Footprint Data SYM-22-28-8181-001

This document was generated on 09/13/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Headers & Wire Housings](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)
[609-3404](#) [61062-3](#) [61082-181009](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-](#)
[010LF](#) [65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-](#)
[5020](#) [707-5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-](#)
[360C032-B](#) [FCN-367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#)
[801-43-006-10-002000](#)