Product data sheet
15 65 012 2701 000
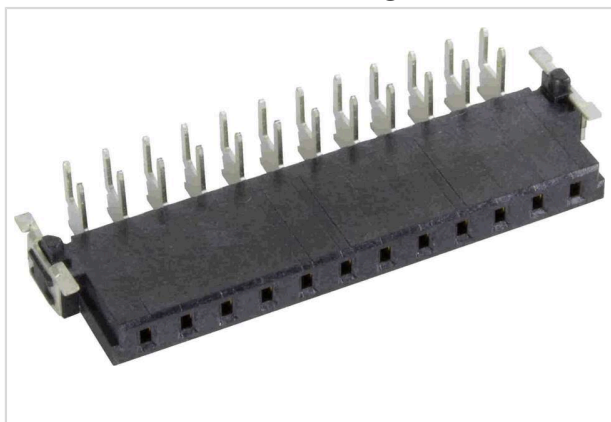har-flex Power F ang 12P THR PL1 400pcs

HARTING ®

Pushing Performance
Since 1945

har-flex Power F ang 12P THR PL1 400pcs

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

Part number	15 65 012 2701 000
Specification	har-flex Power F ang 12P THR PL1 400pcs
HARTING eCatalogue	https://b2b.harting.com/15650122701000

Identification

Category	Connectors
Series	har-flex®
Identification	Power
Element	Female connector
Description of the contact	Angled
Features	Termination method of hold downs: SMT

Version

Termination method	Reflow soldering termination (THR)
Connection type	Motherboard to daughtercard Extender card
Number of contacts	12
Details	According to IEC 61984, it is an unencapsulated connector. Protection against electric shock must be ensured by the type of installation by the user.
Pack contents	400 pieces on reel

Technical characteristics

Contact spacing (termination side)	2.54 mm
Contact spacing (mating side)	2.54 mm
Rated current	19 A
Rated voltage	180 V
Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2

Page 1 / 3 | Creation date 2023-08-18 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
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Technical characteristics

Clearance distance	≥0.94 mm
Creepage distance	≥0.94 mm PCB ≥1.89 mm Connector
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Performance level	1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.84 kV
Isolation group	IIIa (175 ≤ CTI < 400)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D
Coplanarity of contacts	0.1 mm

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Sn over Ni Termination side
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

Commercial data

Packaging size	1
Net weight	2,000 g
Country of origin	China
European customs tariff number	85366990

Page 2 / 3 | Creation date 2023-08-18 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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Commercial data

GTIN	5713140204751
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

Page 3 / 3 | Creation date 2023-08-18 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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