Pushing Performance
Since 1945

har-flex Hybrid M str 4+16 THR PL1 200pc

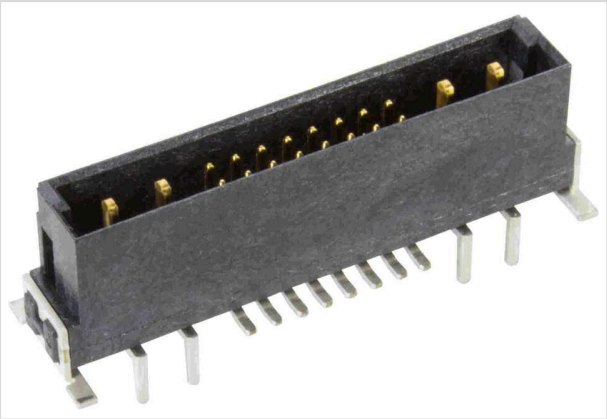


Image is for illustration purposes only. Please refer to product description.

Part number	15 72 416 2701 000
Specification	har-flex Hybrid M str 4+16 THR PL1 200pc
HARTING eCatalogue	https://harting.com/15724162701000

Identification

Category	Connectors
Series	har-flex®
Identification	Hybrid
Element	Male connector
Description of the contact	Straight
Features	Termination method of power contacts: THR

Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	20
Number of signal contacts	16
Number of power contacts	4
Pack contents	200 pieces on reel

Technical characteristics

Contact spacing (termination side)	1.27 mm 2.54 mm
Contact spacing (mating side)	1.27 mm 2.54 mm
Stacking height	3.25 mm
Rated current	21.5 A

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

Rated voltage	50 V AC 120 V DC
Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2
Clearance distance	≥0.4 mm Signal contacts ≥0.94 mm Power contacts ≥0.7 mm Signal to power contacts
Creepage distance	≥0.4 mm PCB: Signal contacts ≥0.94 mm PCB: Power contacts ≥0.7 mm PCB: Signal to power contacts ≥0.4 mm Connector: Signal contacts ≥1.89 mm Connector: Power contacts ≥1.94 mm Connector: Signal to power contacts
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Performance level	1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.5 kV Signal 0.84 kV Signal / Power 0.84 kV Power / Power
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	0.12 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

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Material properties

REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

Specifications and approvals

UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	1
Net weight	1,360 g
Country of origin	China
European customs tariff number	85366990
GTIN	5713140204973
eCl@ss	27460201 PCB connector (board connector)
ETIM	EC002637
UNSPSC 24.0	39121415

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