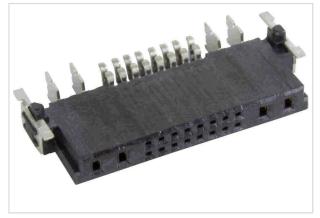


har-flex Hybrid F ang 4+16 SMT PL1 400pc



Part number	15 85 416 2601 000
Specification	har-flex Hybrid F ang 4+16 SMT PL1 400pc
HARTING eCatalogue	https://b2b.harting.com/15854162601000

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

Identification

Category	Connectors
Series	har-flex [®]
Identification	Hybrid
Element	Female connector
Description of the contact	Angled

Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Extender card
Number of contacts	20
Number of signal contacts	16
Number of power contacts	4
Pack contents	400 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
Rated current	22.5 A
Rated voltage	50 V AC 120 V DC
Rated voltage	acc. to IEC 60664-1

Page 1 / 3 | Creation date 2023-01-27 | 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 Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Technical characteristics

Rated impulse voltage	1.5 kV
Pollution degree	2
Clearance distance	≥0.4 mm Signal contacts ≥1.74 mm Power contacts ≥1.11 mm Signal to power contacts
Creepage distance	 ≥0.4 mm PCB: Signal contacts ≥1.74 mm PCB: Power contacts ≥1.11 mm PCB: Signal to power contacts ≥0.4 mm Connector: Signal contacts ≥1.89 mm Connector: Power contacts ≥2.09 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 1.39 kV Signal / Power 1.39 kV Power / Power
Isolation group	Illa (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
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained

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Material properties

California Proposition 65 substances	Not contained
Commercial data	
Packaging size	1
Country of origin	China
European customs tariff number	85366990
GTIN	5713140205215
eCl@ss	27460201 PCB connector (board connector)

Page 3 / 3 | Creation date 2023-01-27 | 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 Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com