

# har-flex Hybrid F ang 8+36 SMT PL1 400pc



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Part number	15 85 836 2601 000
Specification	har-flex Hybrid F ang 8+36 SMT PL1 400pc
HARTING eCatalogue	https://b2b.harting.com/15858362601000

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	44
Number of signal contacts	36
Number of power contacts	8
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

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## **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	<ul> <li>≥0.4 mm PCB: Signal contacts</li> <li>≥1.74 mm PCB: Power contacts</li> <li>≥1.11 mm PCB: Signal to power contacts</li> <li>≥0.4 mm Connector: Signal contacts</li> <li>≥1.89 mm Connector: Power contacts</li> <li>≥2.09 mm Connector: Signal to power contacts</li> </ul>
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 +125 °C
Performance level	1
Mating cycles	≥500
Test voltage U <sub>r.m.s.</sub>	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 1 Packaging size Net weight 2,638 g Country of origin China European customs tariff number 85366990 GTIN 5713140205239 eCl@ss 27460201 PCB connector (board connector)

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