

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

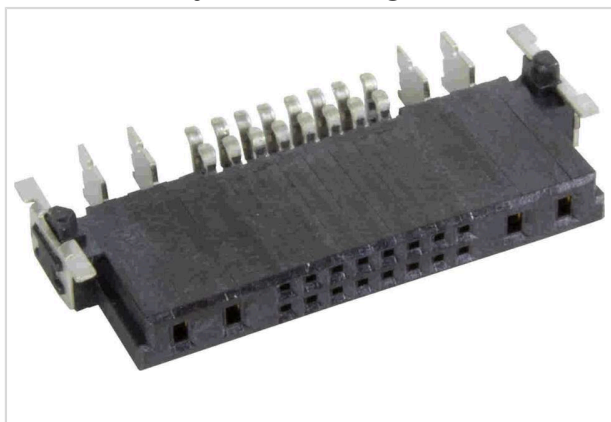


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| 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 |

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 |



Pushing Performance
 Since 1945

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 m Ω |
| 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 | IIIa ($175 \leq CTI < 400$) |
| 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 |



Pushing Performance
Since 1945

Material properties

California Proposition 65 substances Not contained

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 1 |
| Net weight | 2.7 g |
| Country of origin | China |
| European customs tariff number | 85366990 |
| GTIN | 5713140205215 |
| ETIM | EC002637 |
| eCl@ss | 27460201 PCB connector (board connector) |