



Pushing Performance
Since 1945

har-flex HD-Card Edge 100 w/o hold PL1



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

Part number	15 04 100 2001 000
Specification	har-flex HD-Card Edge 100 w/o hold PL1
HARTING eCatalogue	https://b2b.harting.com/15041002001000

Identification

Category	Connectors
Series	har-flex®
Identification	HD-Card Edge
Element	Connector

Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	100
Pack contents	200 pieces on reel

Technical characteristics

Contact rows	2
Contact spacing (termination side)	0.8 mm
Contact spacing (mating side)	0.8 mm
Data rate	25 Gbit/s
Clearance distance	≥0.2 mm Backplane ≥0.53 mm Connector ≥0.1 mm Daughtercard
Creepage distance	≥0.2 mm Backplane ≥0.53 mm Connector ≥0.1 mm Daughtercard
Limiting temperature	-55 ... +125 °C
Insertion force	≤70 N



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Technical characteristics

Withdrawal force	≥20 N
Performance level	1
Mating cycles	≥200
Isolation group	IIIa ($175 \leq \text{CTI} < 400$)
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	≤0.13 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	0.001 kg
Country of origin	China
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)