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har-flex Power M str 12P THR PL1 Sample

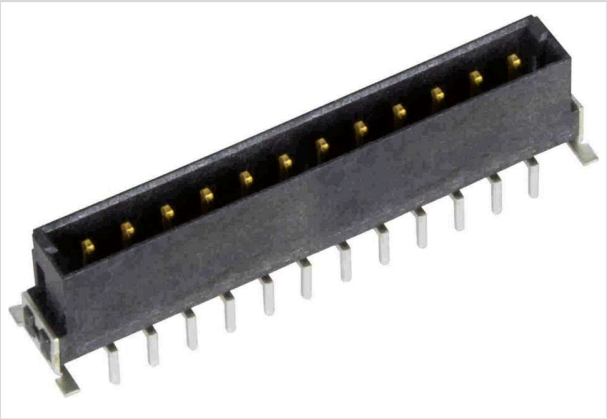


Image is for illustration purposes only. Please refer to product description.

Part number	15 52 012 2701 333
Specification	har-flex Power M str 12P THR PL1 Sample
HARTING eCatalogue	https://harting.com/15520122701333

Identification

Category	Connectors
Series	har-flex®
Identification	Power
Element	Male connector
Description of the contact	Straight
Features	Termination method of hold downs: SMT The sample packaging is not suitable for automated assembly.

Version

Termination method	Reflow soldering termination (THR)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	12
Details	According to IEC 61984, it is an unencapsulated connector. Protection against electric shock must be ensured by the type of installation by the user.
Pack contents	Sample

Technical characteristics

Contact spacing (termination side)	2.54 mm
Contact spacing (mating side)	2.54 mm
Stacking height	3.25 mm
Rated current	19 A
Rated voltage	180 V
Rated voltage	acc. to IEC 60664-1

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Technical characteristics

Rated impulse voltage	1.5 kV
Pollution degree	2
Clearance distance	≥0.94 mm
Creepage distance	≥0.94 mm PCB ≥1.89 mm Connector
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Performance level	1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.84 kV
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	0.1 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

Specifications and approvals

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

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Commercial data

Packaging size	1
Net weight	2 g
Country of origin	China
European customs tariff number	85366990
GTIN	5713140204096
eCl@ss	27460201 PCB connector (board connector)
ETIM	EC002637
UNSPSC 24.0	39121415

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