

Electronic housing - UCS 125-87-F-GD-RPI 7035 - 1019724

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Complete housing for printed-circuit boards. Includes housing half shells, side panels with openings for all relevant connections, adhesive pads for affixing the Raspberry Pi model B2 and B3 computers, screws for housing and PCB attachment; light gray housing with turquoise-blue corner inlays

Your advantages

- ✔ High degree of application flexibility, thanks to the modular housing design
- ✔ Flexible PCB attachment, adapts to virtually all form factors
- ✔ Practical customization options
- ✔ Reduced logistics outlay, thanks to components which are compatible with one another
- ✔ Delivery as a complete housing with ready-machined side panels

Key commercial data

package_quantity	1
GTIN	4055626507538

Technical data

Item properties

Type	UCS 125-87-F-GD-RPI 7035
Order No.	1019724
Housing type	Universal housings
Type	flat

Measurements

Dimensional drawing	
Width [w]	125 mm
Height [h]	87 mm
Depth [d]	47 mm

Material specifications

Color (RAL)	light gray (7035)
Flammability rating according to UL 94	V0

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Material specifications

Housing material	PC
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Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (depending on power dissipation)
Relative humidity (storage/transport)	80 %

PCB data

Number of PCB holders	1
Note on PCB holders	This product is prepared for a printed-circuit board. Additional printed-circuit boards can be mounted using adhesive pads (accessories).
PCB thickness	0.8 mm ... 3 mm
Type of PCB mount	Bolt mounting

Power dissipation, single housing at 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	9.7 W

Power dissipation, single housing at 30 °C

Ambient temperature	30 °C
Reduction factor	0.85
Mounting position	vertical
Power dissipation	8.3 W

Power dissipation, single housing at 40 °C

Ambient temperature	40 °C
Reduction factor	0.68
Mounting position	vertical
Power dissipation	6.5 W

Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.55
Mounting position	vertical
Power dissipation	5.4 W

Power dissipation, single housing at 60 °C

Ambient temperature	60 °C
Reduction factor	0.4
Mounting position	vertical
Power dissipation	3.9 W

Mechanical strength/tumbling barrel

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Mechanical strength/tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Number of drop cycles	50

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 - 58.1 Hz)
Acceleration	2g (58.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Shock

Specification	IEC 60068-2-27:2008-02
Pulse shape	Half-sine
Acceleration	15g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Thermostability (ball thrust test)

Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N

Test for assessing the risk of fire (glow wire)

Specification	DIN EN 60695-2-11 (VDE 0471-2-11):2014-11
Temperature	850 °C
Time of exposure	30 s

Test for substances that would hinder coating with paint or varnish

Result	Test passed
Specification	VW PV 3.10.7:2005-02

Degrees of protection provided by enclosures (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Result, degree of protection, IP code	IP00

General information

Note	The housing can be opened a maximum of 10 times.
	Attach the adhesive pads: Make sure that the surface of the housing is clean, dry, and free of grease. Temperature range:

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General information

	+18°C ... +30°C / Closing pressure force: 60 N / Closing pressure time: 3 s
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Note on mounting

Tightening torque / rotational speed	Screw connection between housing halves: 1.2 Nm-1.4 Nm / 500 rpm-1000 rpm
	Mounting of PCB on corner feeder: 0.4 Nm-0.5 Nm / 500 rpm-1000 rpm
Drive form screw head	Screw connection between housing halves: Slotted Torx®(T10)
	Mounting the PCB: Slotted Torx®(T7)

Packaging information

Pieces per package	1
Denomination packing units	Pcs.

Standards and regulations

Flammability rating according to UL 94	V0
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Classifications

eCl@ss

eCl@ss 5.1	27180506
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

Accessories

Screwdriver tools

SF-TXH 10X80 - 1200149



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Accessories

SF-BIT-TX 10-50 - 1212573



Torque tool

SF-ASD 21 - 1212532

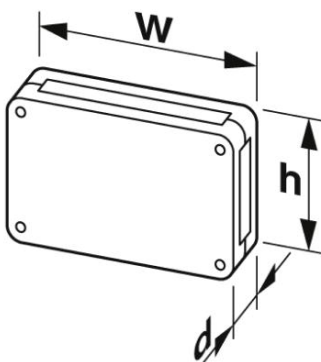


TSD-M 1,2NM - 1212224



Drawings

Dimensional drawing



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