

Electronic housing - UCS 145-125-F-GD-RPI 7035 - 1019749

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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

Why buy this product

- ✓ 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
- ✓

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 506982
GTIN	4055626506982

Technical data

Item properties

Type	UCS 145-125-F-GD-RPI 7035
Order No.	1019749
Type	flat
Housing type	Universal housings

Measurements

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

Material specifications

Housing material	PC
Color (RAL)	light gray (7035)

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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

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
Supported form factors	Raspberry Pi

Power dissipation, single housing at 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	11 W

Power dissipation, single housing at 30 °C

Ambient temperature	30 °C
Reduction factor	0.85
Mounting position	vertical
Power dissipation	9.4 W

Power dissipation, single housing at 40 °C

Ambient temperature	40 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	7.7 W

Power dissipation, single housing at 50 °C

Ambient temperature	40 °C
Reduction factor	0.55
Mounting position	vertical
Power dissipation	6 W

Power dissipation, single housing at 60 °C

Ambient temperature	40 °C
Reduction factor	0.4
Mounting position	vertical
Power dissipation	4.4 W

Mechanical strength/tumbling barrel

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

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Mechanical strength/tumbling barrel

Number of drop cycles	50
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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: +18°C ... +30°C / Closing pressure force: 60 N / Closing pressure time: 3 s

Note on mounting

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Note on mounting

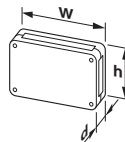
Drive form screw head	Screw connection between housing halves: Slotted Torx® (T10)
	Mounting the PCB: Slotted Torx® (T7)

Packaging information

Pieces per package	1
Denomination packing units	Pcs.

Drawings

Dimensional drawing



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