

Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

Last update

24-Aug-2021

Prepared by

Irad Stavi

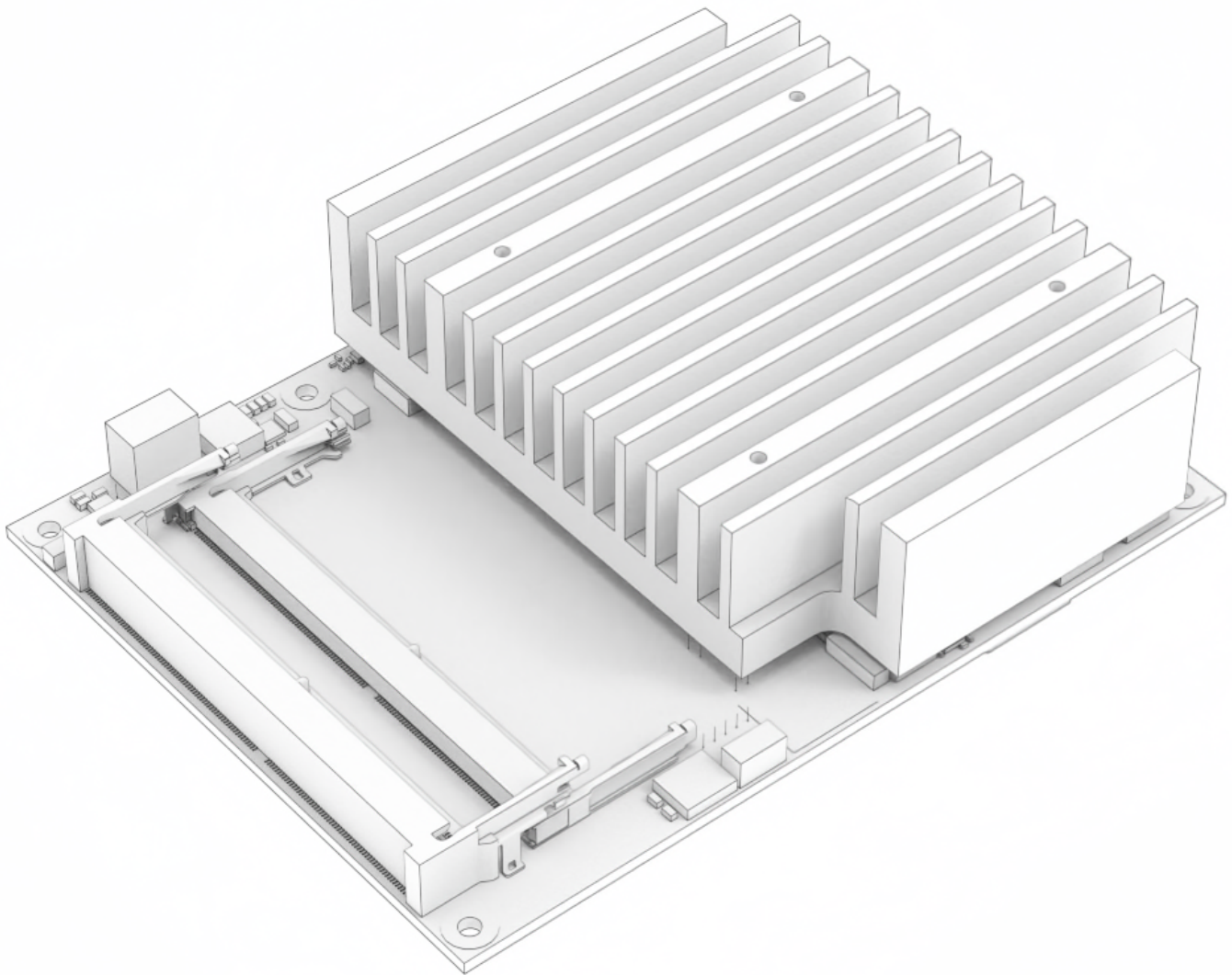
Approved by**Revision**

B

Page

Page 1 of 7

LayerScape LX2160A heat-sink datasheet



Revision notes

| Rev | Date | Notes |
|-----|-------------|--|
| A | 24-Aug-2021 | Initial release |
| B | 24-Aug-2021 | Replaced screws to DIN 7048 Added nylon washers |

Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

Last update

24-Aug-2021

Prepared by

Irad Stavi

Approved by

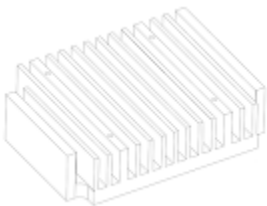

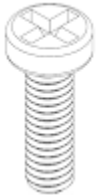
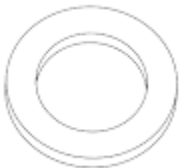
Revision

B

Page

Page 2 of 7

Parts list

| Picture | Description | SolidRun PN | QTY |
|---|--|-------------|-------|
|  | Heat sink | MCH00245 | 1 |
|  | Thermal paste ARCTIC MX-4 or similar | - | 0.2 g |
|  | Screw ISO 7048 Phillips pan head Threading: M2.5 length = 8 mm head diameter <= 4.5 mm | TBD | 2 |
|  | Nylon Washer Essentra 17W01785 (or similar) Internal diameter 2.8mm Outer diameter 4.3mm Thickness 0.5mm | TBD | 2 |

Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

| Last update | Prepared by | Approved by | Revision | Page |
|-------------|-------------|-------------|----------|-------------|
| 24-Aug-2021 | Irad Stavi | | B | Page 3 of 7 |

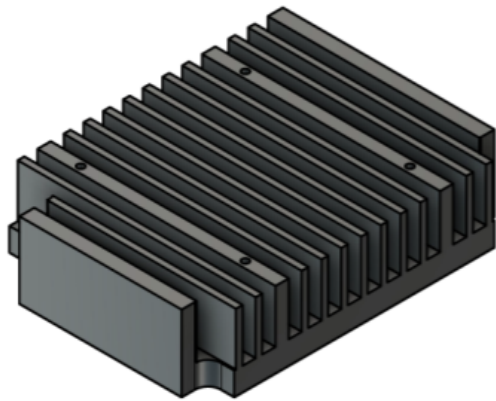
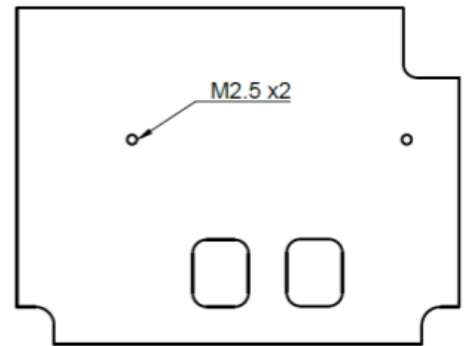
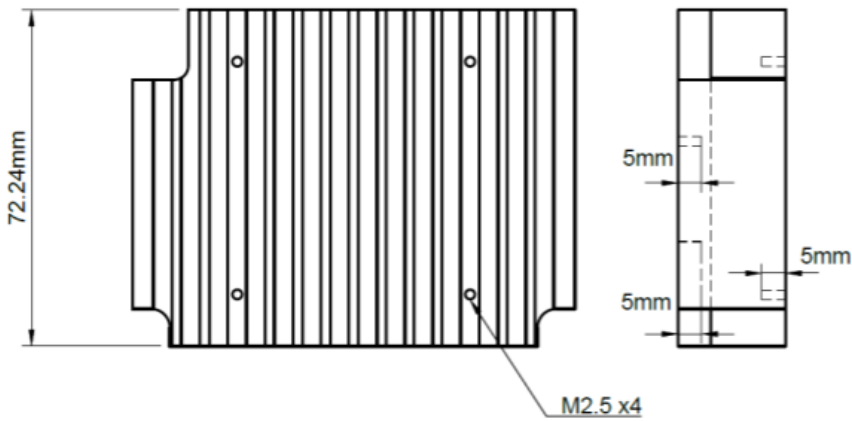
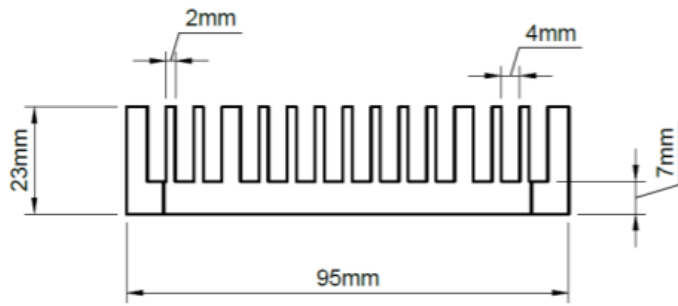
| | | | |
|---|---|------------|----------|
|  | <p>Rubber pad Shore A 50 Single side adhesive Thickness: 3.5mm 10mm x 5mm</p> | <p>TBD</p> | <p>2</p> |
|---|---|------------|----------|

Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

| Last update | Prepared by | Approved by | Revision | Page |
|-------------|-------------|-------------|----------|-------------|
| 24-Aug-2021 | Irad Stavi | | B | Page 4 of 7 |

Heat-sink drawing



Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

Last update

24-Aug-2021

Prepared by

Irad Stavi

Approved by**Revision**

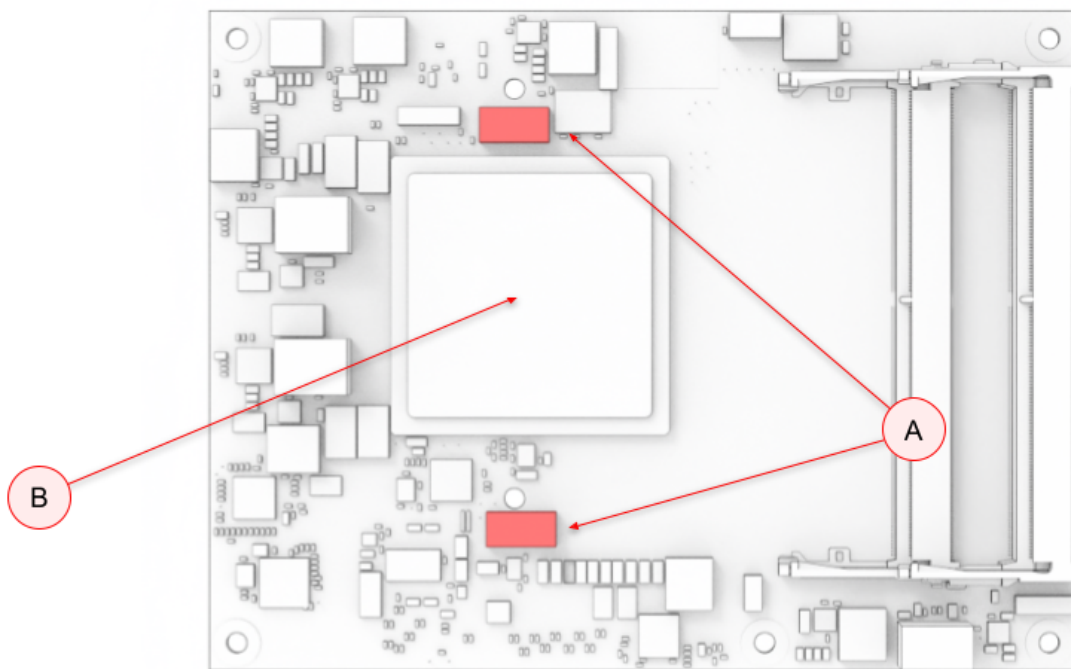
B

Page

Page 5 of 7

Assembly instructions

Preparation of CoM for heat-sink



1. Bond rubber pads (A) next to the heat-sink mounting holes as depicted
2. Clean CPU (B) and apply thermal paste

Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

Last update

24-Aug-2021

Prepared by

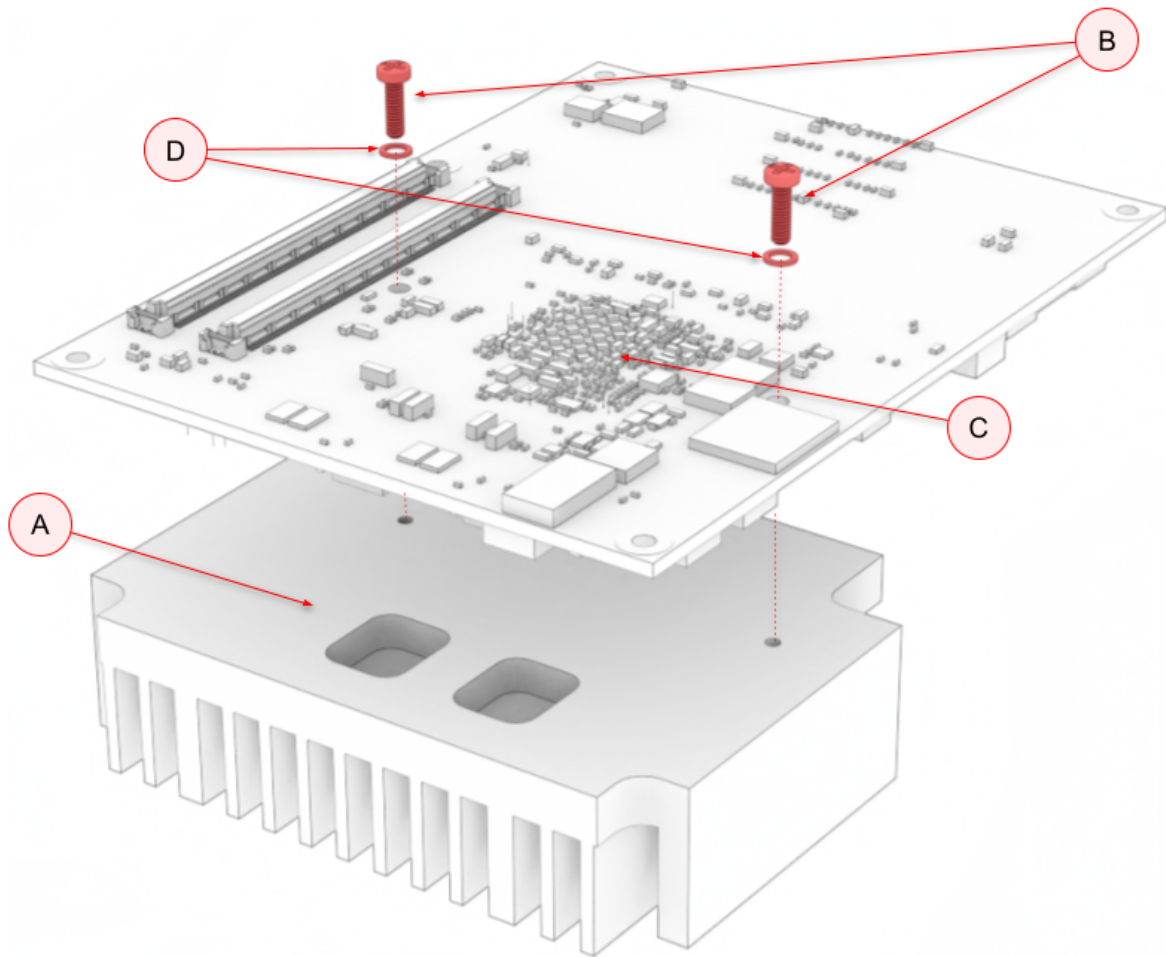
Irad Stavi

Approved by**Revision**

B

Page

Page 6 of 7

Assembling heat-sink

1. Place heat upside down and clean its surface (A)
2. Place CoM on heat-sink so CPU is in contact with heat-sink. Note orientation
3. Place washers (D) on screws (B)
4. Using a Phillips screwdriver, screw the two screws (B) loosely, without tightening
5. Press with your thumb above CPU (C) to ensure coplanarity of CPU and heat-sink and tighten the screws half a turn at a time for each screw

Description

SolidSense N8 IoT Compact Extended LTE assembly instructions

Last update

24-Aug-2021

Prepared by

Irad Stavi

Approved by

Revision

B

Page

Page 7 of 7

Heat-sink assembled

