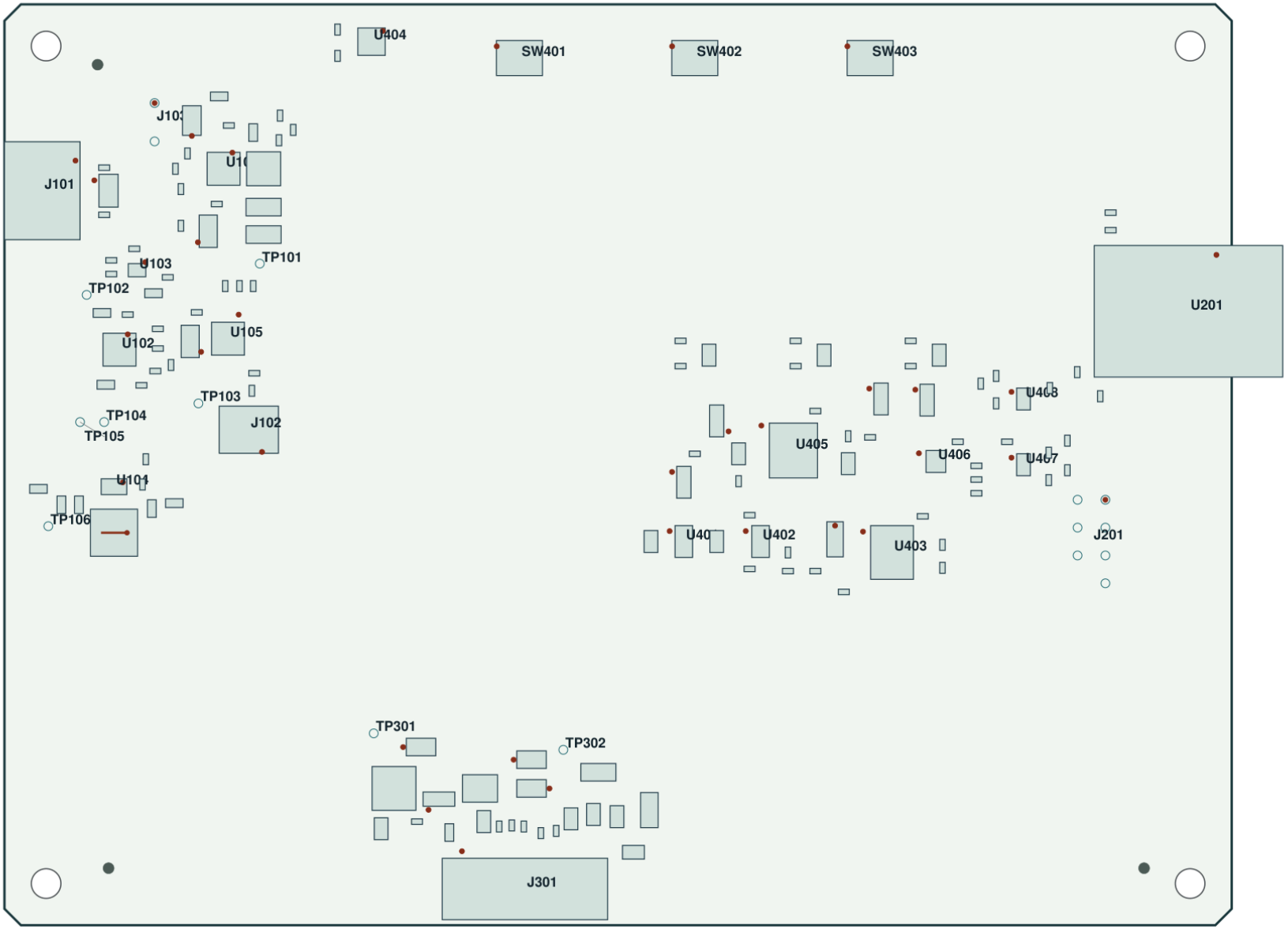
ASTRA / TOP ASSEMBLY

Full board | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

J101 B12
USB4135-GF-A

J102 1
BM03B-ACHSS-GAN-ETF(LF)(SN)

U104 A1
RT6160AWSC

L102 1 = short lead
XGL4015-471MEC

U201 1
E73-2G4M08S1F

J201 1
PCB pads only

J301 1
FH12-24S-0.5SH(55)

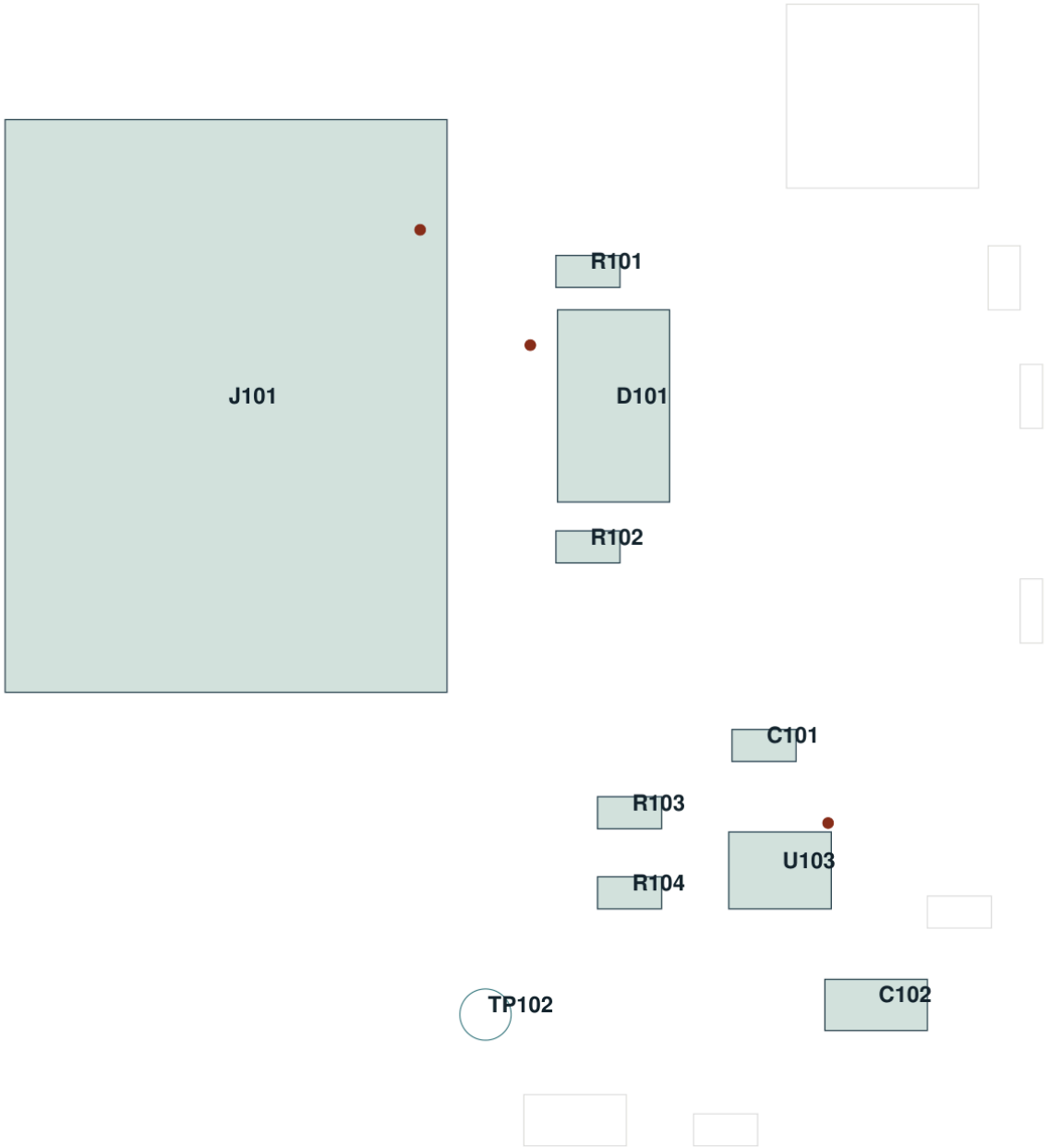
U403 1
PCF85063AT/AY

U404 1
BME280

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

USB-C and input selection | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

J101 B12
USB4135-GF-A

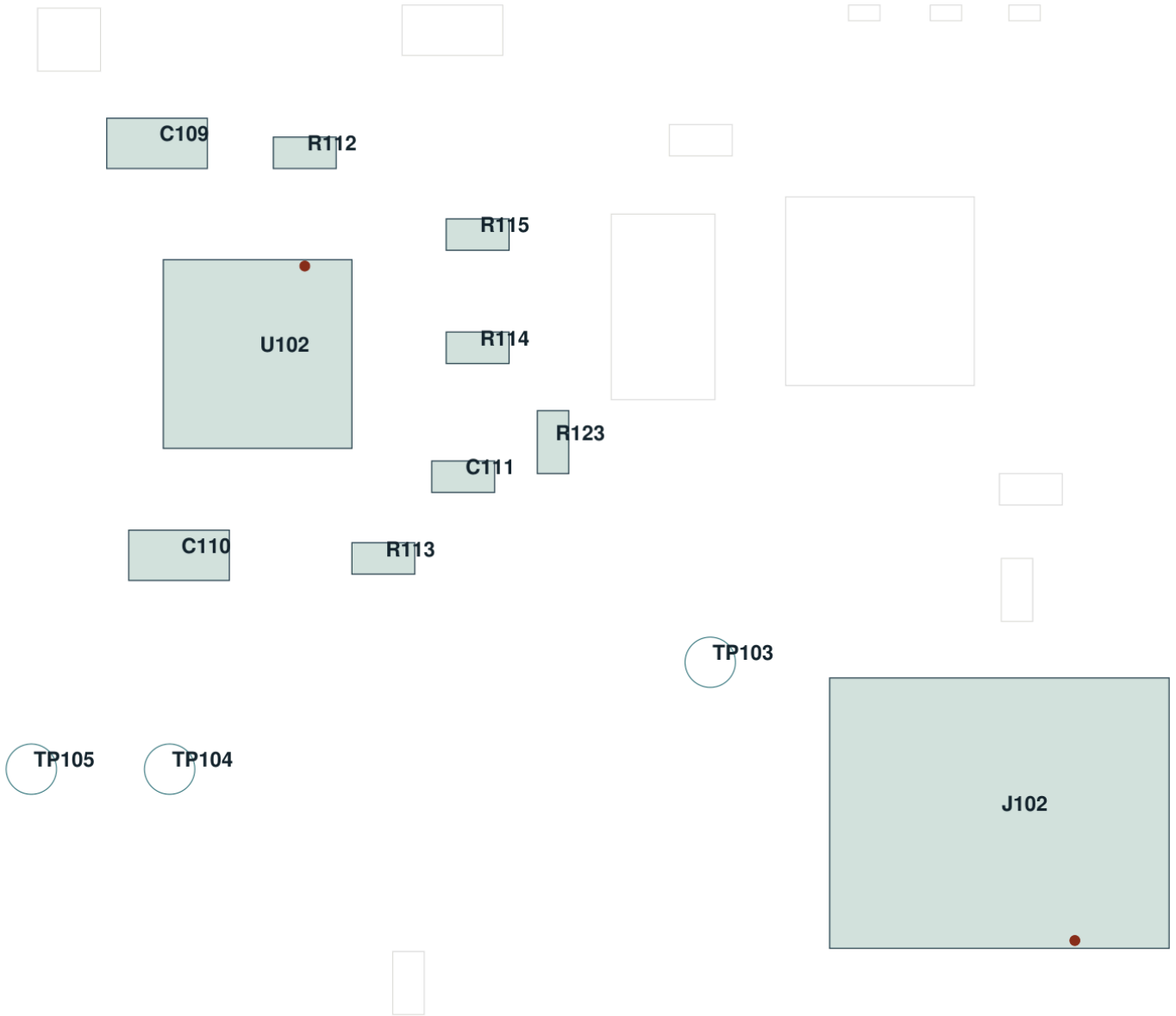
U103 1
TPS2116DRLR

D101 1
USBLC6-2SC6

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Protected cell charger | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

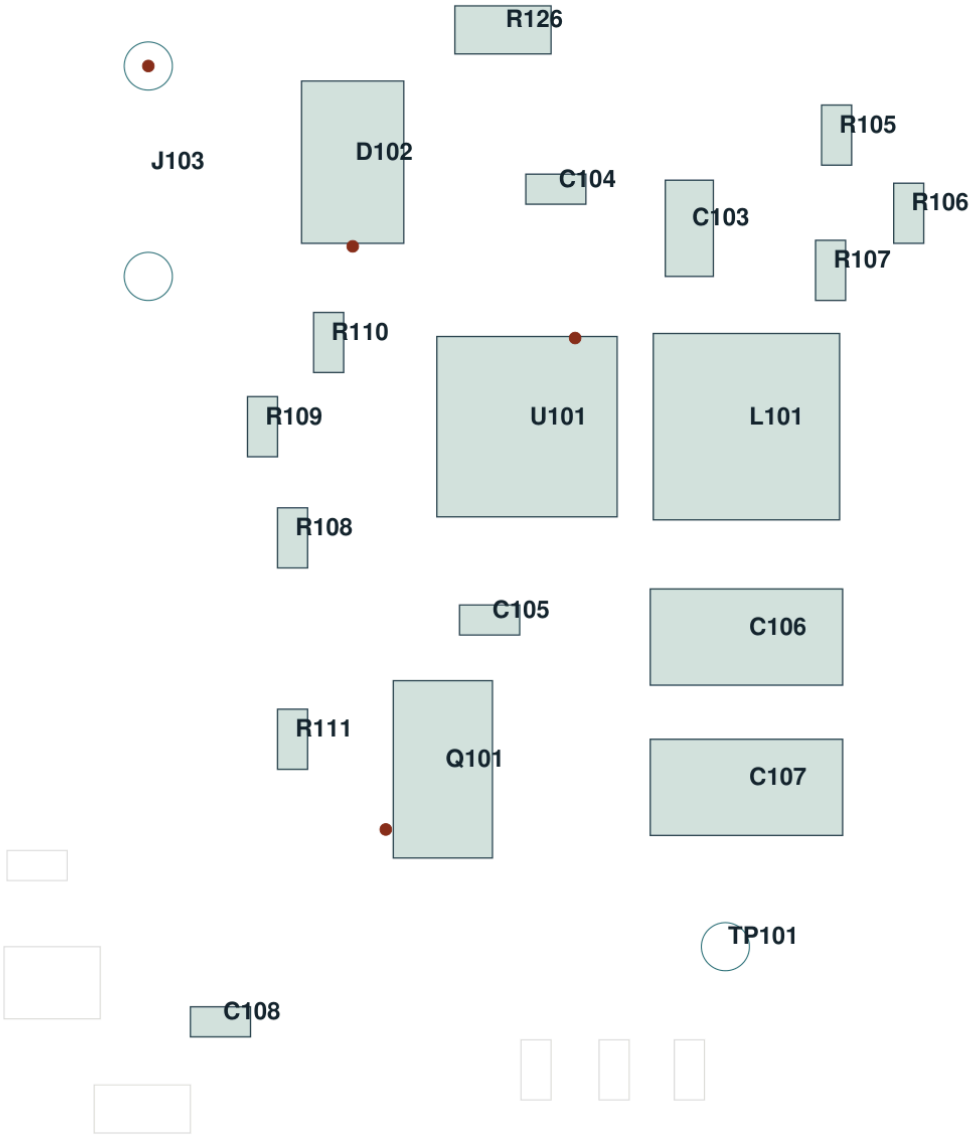
J102 1
BM03B-ACHSS-GAN-ETF(LF)(SN)

U102 1
BQ24074RGTR

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Solar MPPT | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

J103 1
PCB-FEATURE

U101 1
SPV1050TTR

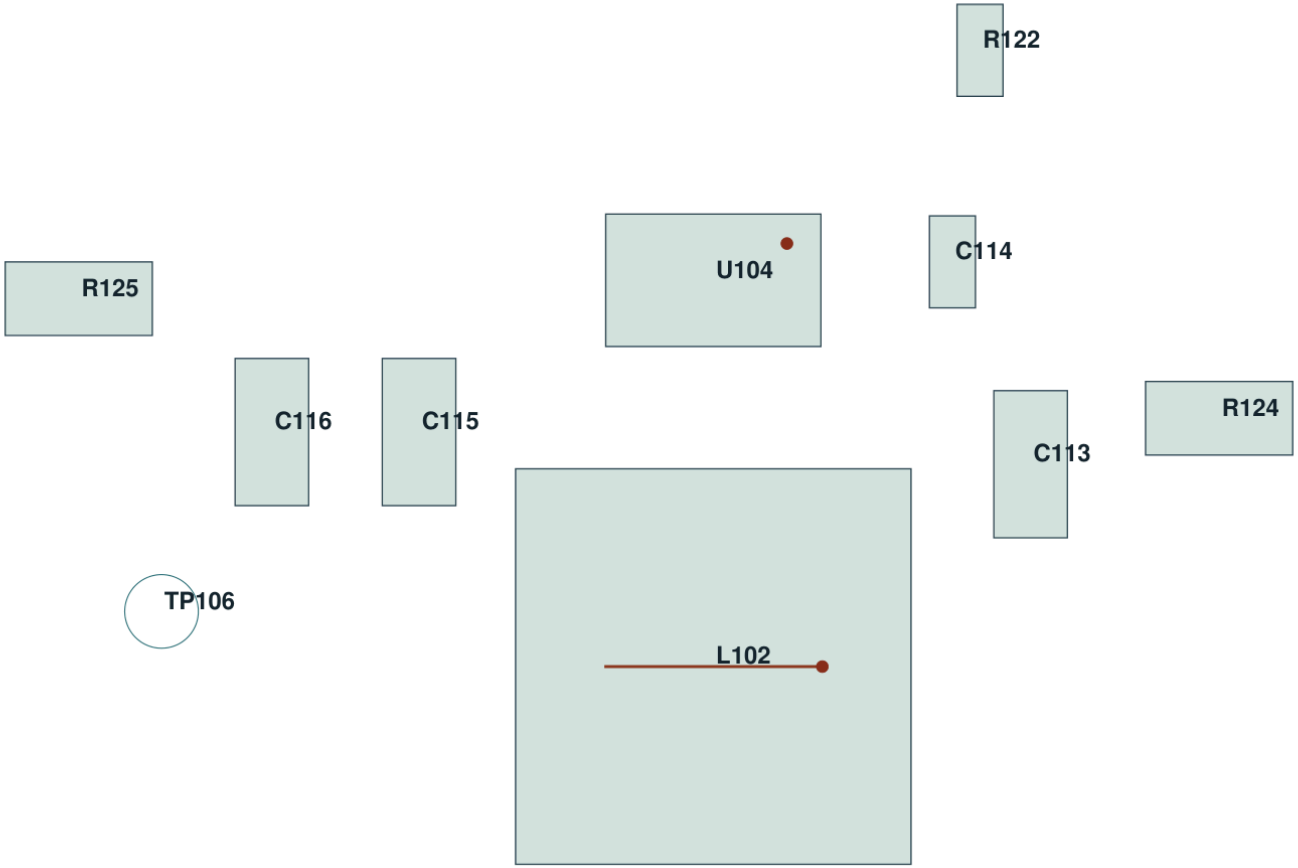
D102 1
PMEG2010ER,115

Q101 1
AO3401A

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Switched 3.3 V | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

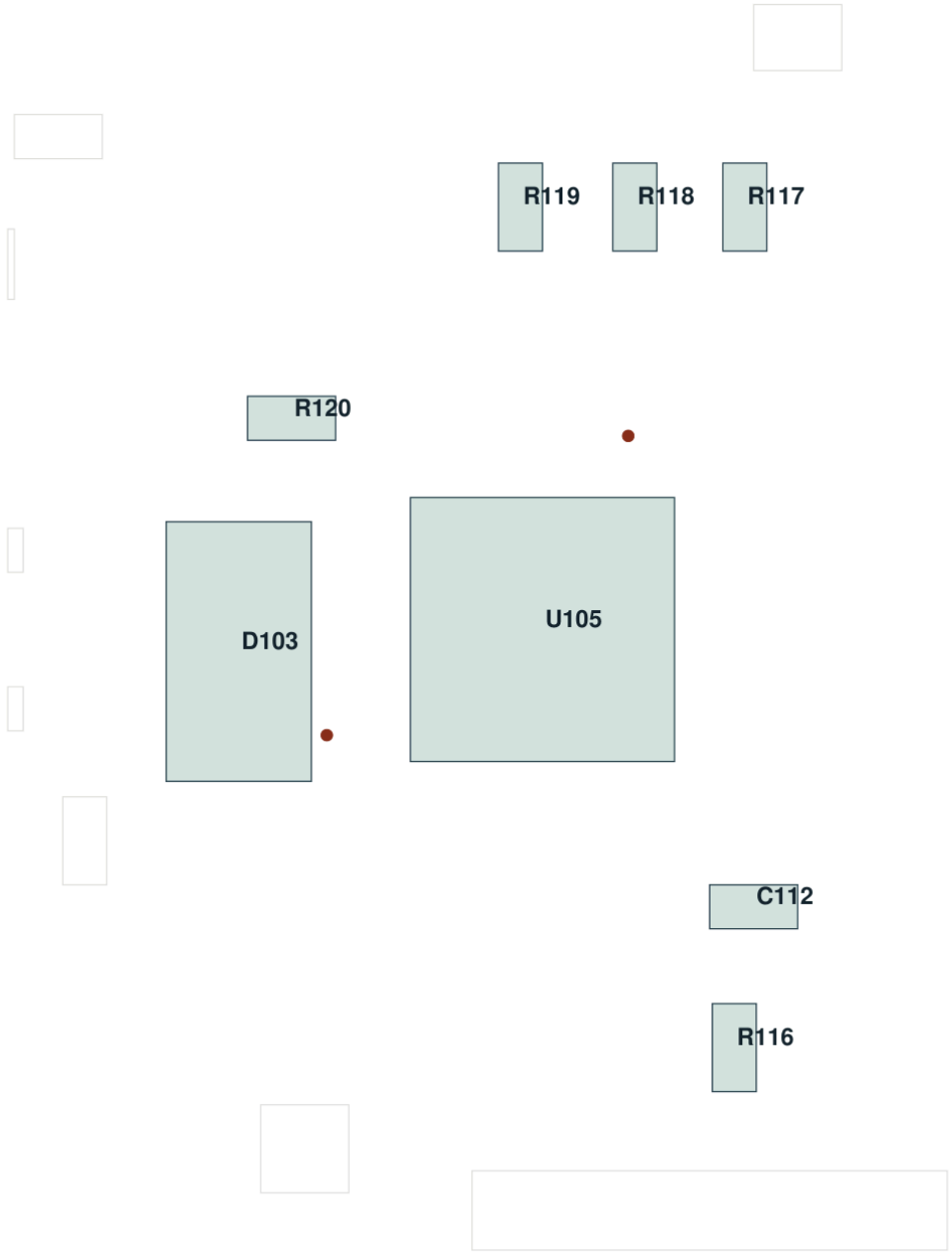
U104 A1
RT6160AWSC

L102 1 = short lead
XGL4015-471MEC

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Pack temperature window | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

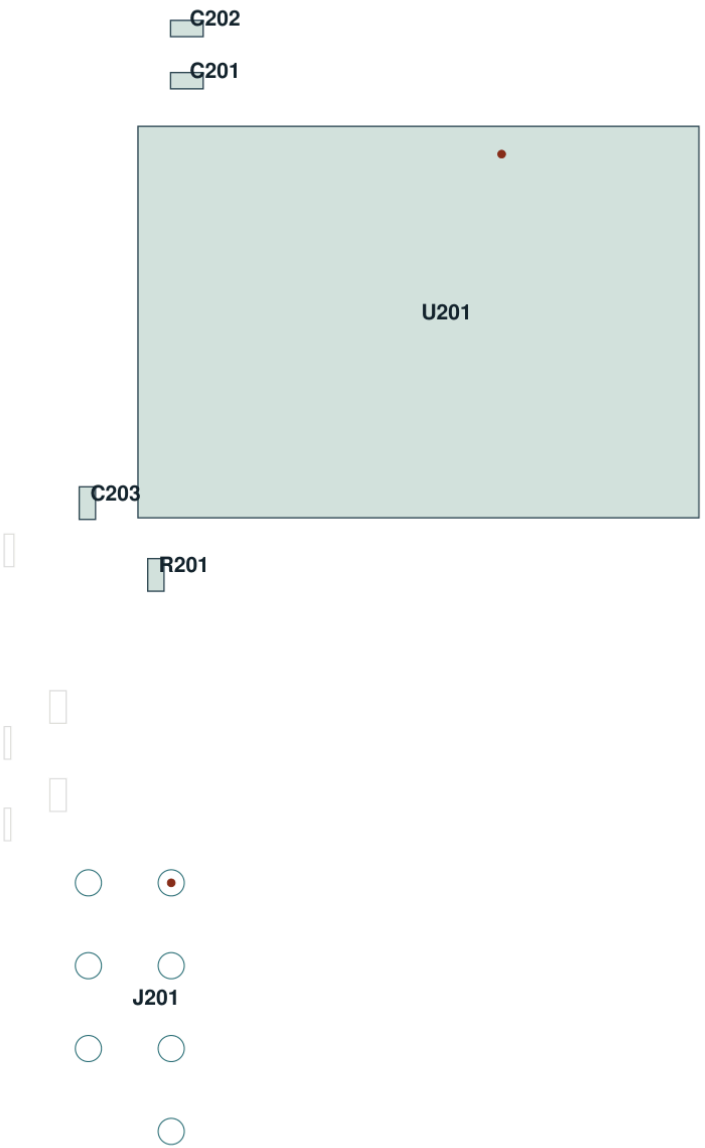
U105 1
MCP6542-I/MS

D103 1
BAT54C,215

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Radio circuit | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

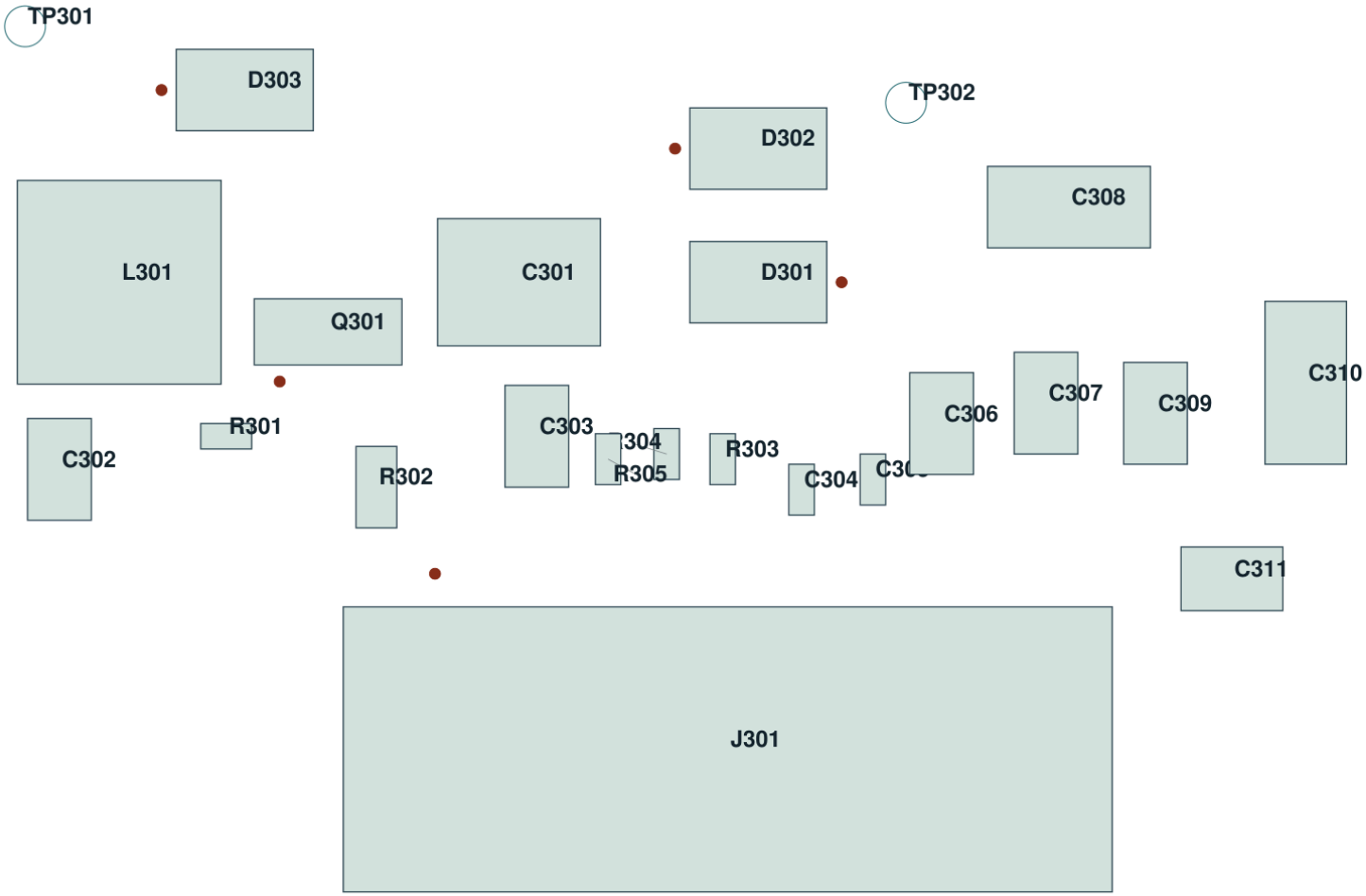
U201 1
E73-2G4M08S1F

J201 1
PCB pads only

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Display circuit | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

J301 1
FH12-24S-0.5SH(55)

Q301 1
BSS138LT1G

D301 1
MBR0530T1G

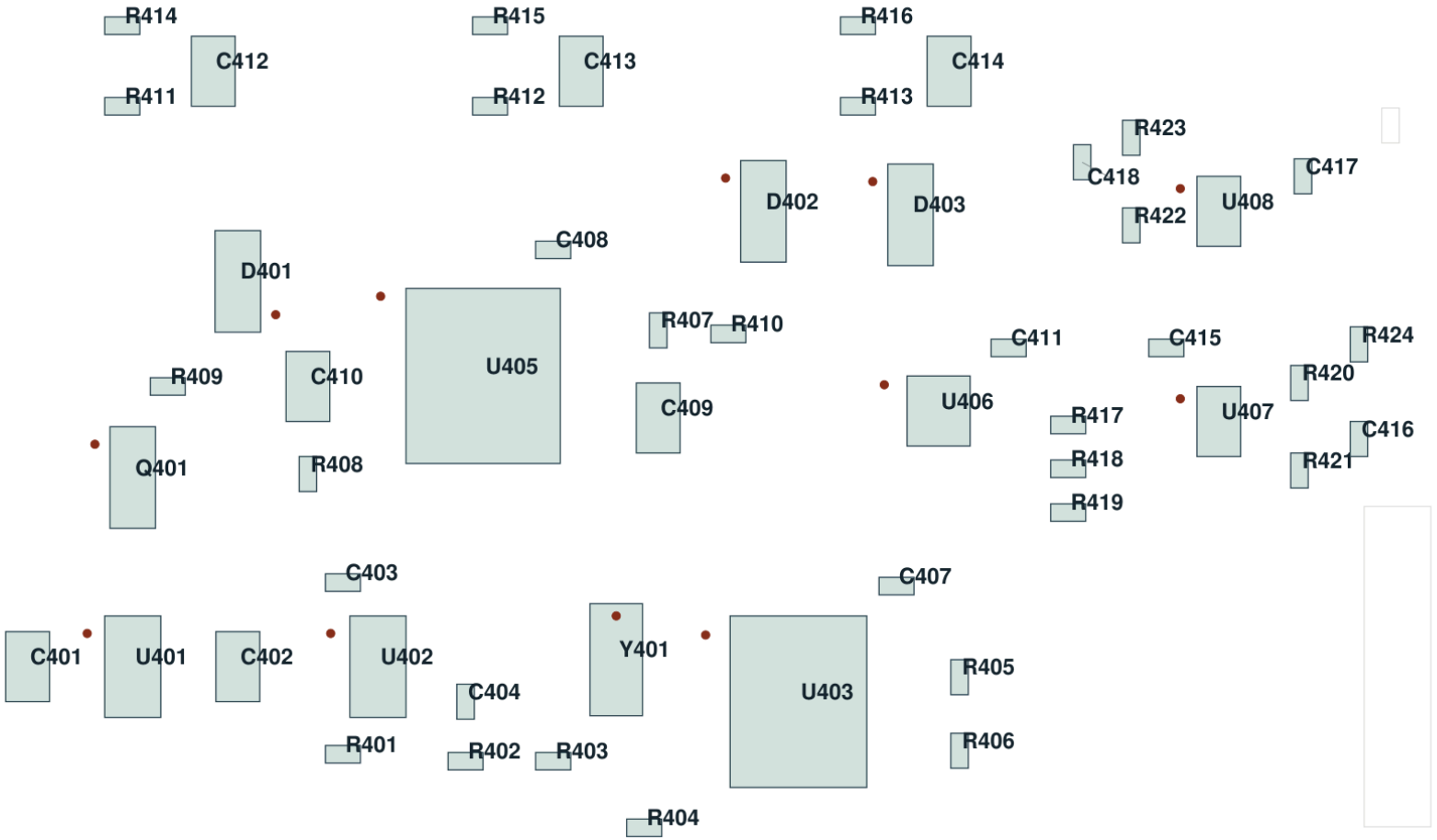
D302 1
MBR0530T1G

D303 1
MBR0530T1G

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Always-on logic and measurement | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

U401 1
TPS7A0228PDBVR

U402 1
TPL5111DDCR

U403 1
PCF85063AT/AY

Y401 1
ABS07-32.768KHZ-7-1-T

U405 1
74HC123PW,118

D401 1
BAT54A,215

Q401 1
AO3401A

U406 1
SN74AUP3G14DCUR

D402 1
BAT54A,215

D403 1
BAT54A,215

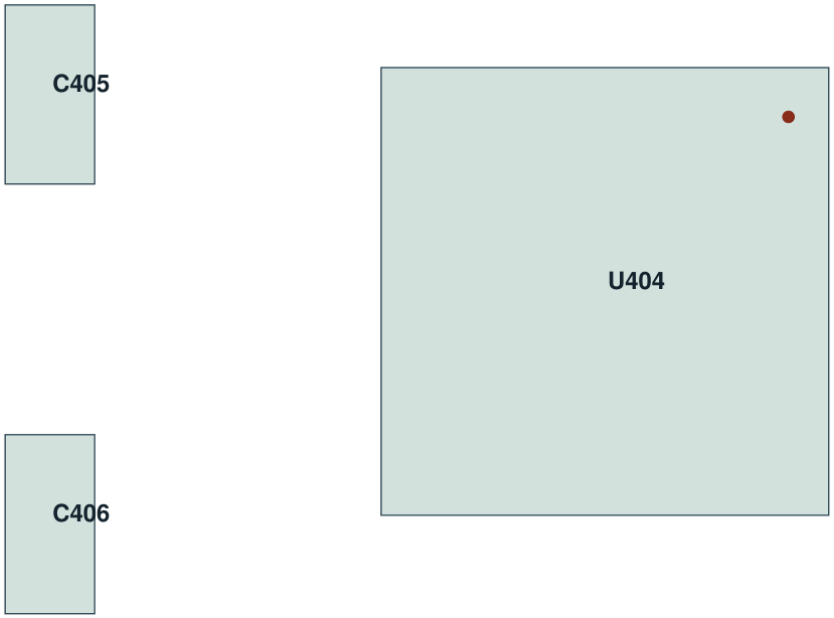
U407 1
TPS22919DCKR

U408 1
SN74AUP1G97DCKR

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

Environmental sensor | View from the populated side | Dimensions in mm



ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

U404 1
BME280

Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.

ASTRA / TOP ASSEMBLY

User buttons | View from the populated side | Dimensions in mm

ORIENTATION DATUMS

Dot = named pad. L102 line = terminal axis.

SW401 1
SKRPABE010

SW402 1
SKRPABE010

SW403 1
SKRPABE010



Board coordinate origin and numeric component centres are defined by the CPL. Consult the per-circuit pages for smaller components.