LAYOUT ERRORS RESULTS: ERRORS

```
#####  ####  ####  ###  ####  ###
#   #  ##  ##  ##  ##
####  ####  ####  #  #  ####  ###
#   #  #  #  #  #  ##  #    #
#####  #  ##  #  ###  #  #  ####
```

==========

Library name:
/evprj182/projects/TEAM_Chipathon2025/DRC/synopsys_custom/trackA.icv.drc/trackA.custom_compiler.gds
Structure name: trackA
Generated by: IC Validator RHEL64 X-2025.06.11869009 2025/05/28
Runset name:
/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs
User name: trng6tusr263
Time started: 2025/09/23 04:19:38PM
Time ended: 2025/09/23 04:20:45PM

Called as: icv -f gdsii -i
/evprj182/projects/TEAM_Chipathon2025/DRC/synopsys_custom/trackA.icv.drc/trackA.custom_compiler.gds -c trackA -I
/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/ -oa_dm6 -vue
/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs

ERROR SUMMARY

CO.10 Contact on Poly2 gate over COMP is forbidden
  and ..... 78 violations found.

CO.1: Min/max contact size : 0.22
  not_length_edge ..... 102 violations found.
      Error limit exceeded. Details only available for first 100.
      Check was stopped early because error limit was reached.

CO.3 Poly2 overlap of contact : 0.07
  enclose ..... 16 violations found.

CO.4 COMP overlap of contact : 0.07

```
  enclose ..................................... 4 violations found.

CO.7 Space from COMP contact to Poly2 on COMP : 0.15
  external2 ................................... 18 violations found.

CO.9 Contact on NCOMP to PCOMP butting edge is
forbidden
  and_edge .................................... 4 violations found.

COHVNESD.7_COHVPESD.7 : Recommended/max. salicided
block edge to at least one or nearest contact (CA)
<= 0.22
  not_interacting ............................. 6 violations found.

CUP.3_Metal2 : Min space of Metal2 line used for
bond pads = 1.0
  external1 ................................... 28 violations found.

CUP.3_Metal3 : Min space of Metal3 line used for
bond pads = 1.0
  external1 ................................... 28 violations found.

CUP.3_Metal4 : Min space of Metal4 line used for
bond pads = 1.0
  external1 ................................... 28 violations found.

CUP.5 : Top via (Via4) not allowed directly under
pad opening
  and ......................................... 101 violations found.
      Error limit exceeded.  Details only available for first 100.
      Check was stopped early because error limit was reached.

CUP.7_Via2 : CUP.7c  Vias shall be in the form of
cluster or arrays (<=3x3). Sea of via (> 3x3 array)
is not allowed.
CUP.7d  Min Via2 space in via arrays = 0.3
CUP.7e  Min space between via arrays = 0.36
  not_rectangle_spacing1 ..................... 280 violations found.
      Error limit exceeded.  Details only available for first 100.

CUP.7_Via3 : CUP.7c  Vias shall be in the form of
cluster or arrays (<=3x3). Sea of via (> 3x3 array)
is not allowed.
CUP.7d  Min Via3 space in via arrays = 0.3
```

CUP.7e Min space between via arrays = 0.36
  not_rectangle_spacing1 ..... 168 violations found.
     Error limit exceeded. Details only available for first 100.

CUP.7_Via4 : CUP.7c Vias shall be in the form of
cluster or arrays (<=3x3). Sea of via (> 3x3 array)
is not allowed.
CUP.7d Min Via4 space in via arrays = 0.3
CUP.7e Min space between via arrays = 0.36
  not_rectangle_spacing1 ..... 168 violations found.
     Error limit exceeded. Details only available for first 100.

CUP.8 : Top_Via-1 directly underneath the Pad mask
is not Allowed
  and ..... 101 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

CUP.9 : 1LM, 2LM and 3LM process not allowed to have
CUP for wire bond case
CUP.1a CUP is not allowed for Wedge-type Wire bond
case
  and ..... 58 violations found.
  and ..... 213 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

CUP.9_Wedge_4LM : 9.3 Wedge type wire-bond not
allowed to have CUP
  and ..... 31 violations found.
  and ..... 101 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

CUP.9_Wedge_5LM : 9.3 Wedge type wire-bond not
allowed to have CUP
  and ..... 3 violations found.
  and ..... 101 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

DCF.1a : All area between active polygons (COMP)
(with spacing greater than equal to this rule) >=
20.0

must be filled with 'Dummy COMP' except area marked
by NDMY, RES_MK, Pad and IND_MK
as well as the region define by DCF.6a, 6b, 6c, 6d,
6e, 6f, 6g.
  or ..... 102 violations found.
      Error limit exceeded. Details only available for first 100.

DCF.1b_DCF.1d : Minimum global density for active
layers (COMP+ Dummy COMP) = 25.0%
Maximum global density for active layers (COMP+ Dummy
COMP) = 70.0%
  density ..... 1 violation found.

DF.11 : Min. Length of butting COMP edge : 0.30
  length_edge ..... 102 violations found.
      Error limit exceeded. Details only available for first 100.
      Check was stopped early because error limit was reached.

DF.12 : Max distance of Nwell tap (NCOMP inside
Nwell) from (PCOMP inside Nwell) : 20
  and ..... 110 violations found.
      Error limit exceeded. Details only available for first 100.
      Check was stopped early because error limit was reached.

DF.13 : Max distance of substrate tap (PCOMP outside
Nwell) from (NCOMP outside Nwell) : 20
  and ..... 102 violations found.
      Error limit exceeded. Details only available for first 100.
      Check was stopped early because error limit was reached.

DF.18_LV : Min DNWELL space to (PCOMP outside Nwell
and DNWELL) = 2.5
  external2 ..... 24 violations found.

DF.1a : Min. COMP Width : 0.22
  internal1 ..... 4 violations found.

DF.3a_LV : Minimum COMP space. P-substrate tap (PCOMP
outside DNWELL and NWELL) can be butted for different
voltage device like Low voltage, Medium voltage and
High voltage as the potential is same
  outside ..... 2 violations found.

DF.3a_MV : Minimum COMP space. P-substrate tap (PCOMP

outside DNWELL and NWELL) can be butted for different
voltage device like Low voltage, Medium voltage and
High voltage as the potential is same
  external1 ..... 9 violations found.

DF.3b : Min/Max space from NCOMP to PCOMP in the
same well for butted COMP = 0.0
  and ..... 51 violations found.

DN.2 : Min. DNWELL Space : 5.42
  external1 ..... 4 violations found.

DN.3 : Each DNWELL shall be directly surrounded by
PCOMP guard ring tied to the P-substrate potential
  and ..... 84 violations found.
  and ..... 102 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.
  and ..... 3 violations found.
  not_outside ..... 11 violations found.

DV.1 : Min. Dualgate enclose DNWELL = 0.5
  enclose ..... 24 violations found.

HRES.10 : Minimum/Maximum Pplus overlap of SAB = 0.1
  interacting ..... 100 violations found.

HRES.12 : P type Poly2 resistor (high sheet rho)
shall be covered by RES_MK marking.
RES_MK length shall be coincide with resistor length
(Defined by Pplus space)
and width covering the width of Poly2.
If the size of single RES_MK mark layer is greater
than 15000 um2 and both sides (X and Y) are greater
than 80 um, then the minimum spacing to adjacent
RES_MK layer >= 20
Checked in PRES.9
  xor ..... 26 violations found.

HRES.2 : Min width of Poly2 resistor = 1.0
  internal1 ..... 72 violations found.

HRES.4 : Minimum RESISTOR overlap of Poly2 resistor
= 0.4

enclose ..... 36 violations found.

HRES.7 : Minimum Pplus overlap of contact on Poly2 resistor = 0.2
enclose ..... 48 violations found.

HVNESD.13(b) : Max. at least one or nearest source contact to gate edge space (SCGS) <= 1
not_interacting ..... 2 violations found.

HVNESD.8(c) : Max. at least one or nearest drain contact to gate edge space (DCGS) <= 4
not_interacting ..... 5 violations found.

HVPESD.11 : Source COMP must enclose by LVS_Source not ..... 1 violation found.

IO.0 : Guidelines : To flag I/O latch-up related violation:
(a) Non well tap COMP directly connected to PAD is recommended to be marked by 'Latchup_MK' layer
(b) Min/max Latchup_MK layer overlap of COMP (directly connected to Pad) = 0.0
xor ..... 28 violations found.

IO.1_a2 : For LV and MV
It should also be directly surrounded by an Nwell guard ring
(Non broken NCOMP ring inside Nwelll).
Nwell guard ring shall be connected to the most positive supply.
Max space of Nwell guard ring to the NCOMP in Psub directly
connected to I/O pad = 15
edge_size ..... 16 violations found.

IO.1_b : Within 15um from the edge of the NCOMP connected to I/O pad (marked by Latchup_MK):
Max Nwell tap distance to PCOMP inside Nwell <= 2
(irrespective of its direct connection to Pad)
wide ..... 25 violations found.

IO.3_a2 : For LV and MV
It should also be directly surrounded by PCOMP guard

ring outside Nwell.
PCOMP guardring shall be connected to the lowest
potential.
Max space of guard ring PCOMP to the PCOMP in Nwell
directly connected to the I/O pad = 15
  edge_size ..... 12 violations found.

IO.3_b : For LV and MV
Within 10um from the edge of the PCOMP connected
to I/O Pad (marked by Latchup_MK):
Max P substrate tap distance to NCOMP outside Nwell
<= 5.0 (irrespective of its direct connection to Pad)
  wide ..... 14 violations found.

LPW.12 : LVPWELL cannot overlap with Nwell
  and ..... 2 violations found.

LU.3a_MV_LU.3b_MV_LU.3c_MV : Max. Psub tap outside
(DNWELL and YMTP_MK) space to any point in the
boundary of Ncomp outside Nwell/DNWELL = 15 (MV)
  coincident_edge ..... 48 violations found.

LU.4a_LV : Max. Nwell tap outside DNWELL space to
any point in the boundary of Pcomp inside Nwell =
50 (LV)
For Nwell to Ncomp space outside DNWELL >= 2.0um
  coincident_edge ..... 48 violations found.

LU.4a_MV_LU.4b_MV_LU.4c_MV : Max. Nwell tap outside
DNWELL space to any point in the boundary of Pcomp
inside Nwell = 15 (MV)
  coincident_edge ..... 80 violations found.

M1.1 : Metal1 minimum width : 0.23
  internal1 ..... 128 violations found.
      Error limit exceeded. Details only available for first 100.

M1.2a : Metal1 minimum space : 0.23
  external1 ..... 301 violations found.
      Error limit exceeded. Details only available for first 100.
      Check was stopped early because error limit was reached.

M2.1 : Metal2 minimum width : 0.28
  internal1 ..... 12 violations found.

M2.2a : Metal2 minimum space : 0.28
  external1 ..... 301 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

MIMTM.10 : (a) There cannot be any Via3 touching
MIM bottom plate Metal4
(b) MIM bottom plate Metal4 can only be connected
through the higher Via (Via4)
  and ..... 40 violations found.

MSLOT.1_Metal1 : Maximum Metal1 width without
slotting = 30.0
  or ..... 3 violations found.

MSLOT.1_Metal2 : Maximum Metal2 width without
slotting = 30.0
  or ..... 2 violations found.

MSLOT.1_Metal3 : Maximum Metal3 width without
slotting = 30.0
  or ..... 2 violations found.

Mn.4_Metal1 : Metal1 coverage over the entire die
shall be > 30%
  density ..... 1 violation found.

Mn.4_Metal2 : Metal2 coverage over the entire die
shall be > 30%
  density ..... 1 violation found.

NP.11 : Butting Nplus and PCOMP is forbidden within
0.43 of well (Nwell and LVPWELL) edge (for inside
DNWELL case)
  and ..... 5 violations found.

NP.3a : Nplus space to PCOMP (1) inside Nwell (2)
outside LVPWELL but inside DNWELL : 0.16
  external2 ..... 12 violations found.

NP.4a : Nplus space to related P-channel gate at
a butting edge parallel to gate : 0.32
  external2 ..... 24 violations found.

NP.5a : Nplus overlap of N-channel gate : 0.23
  enclose ..... 24 violations found.

NP.5d(i) : Nplus extension beyond COMP inside DNWELL
for Nwell overlap of Nplus < 0.43 : 0.16
  enclose ..... 302 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

NP.6 : Nplus overlap with NCOMP butted to PCOMP :
0.22
  internal1 ..... 19 violations found.

NW.2 : Min. Nwell Space : 1.4
  external1 ..... 5 violations found.

NW.3 : Min. Nwell to DNWELL space : 3.1
  external2 ..... 32 violations found.

PAD.16 : Max pad opening space to nearest S/L guard
ring (Inner edge of GUARD_RING_MK marking) = 200.0
  not_interacting ..... 1 violation found.

PAD.17 : Pad opening space to active circuit COMP
= 15.0
  external2 ..... 301 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

PAD.18 : Pad opening space to active circuit Poly2
= 15.0
  external2 ..... 301 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

PAD.19a_M1 : Pad opening to non-pad circuit Metal1,
2, 3, 4,5 up to Top Metal-1 = 6.0
  external2 ..... 16 violations found.

PAD.19a_M2 : Pad opening to non-pad circuit Metal1,
2, 3, 4,5 up to Top Metal-1 = 6.0
  external2 ..... 227 violations found.
     Error limit exceeded. Details only available for first 100.

PL.12 : V5_Xtor enclose 5V COMP
  not ..... 34 violations found.

PL.3 : Min. Poly2 Spacing : 0.24
  external1 ..... 3 violations found.

PL.3b_MV : Min Poly2 space on COMP for low active sheet resistivity (guideline)
  outside ..... 3 violations found.

PL.4 : Min. Poly2 Extension beyond COMP to form end cap : 0.22
  internal1 ..... 24 violations found.

PL.6 : (Poly2 gate not touching YMTP_MK) with 90 degree bends are not allowed.
  external1_error ..... 8 violations found.
  internal1_error ..... 16 violations found.

PL.8 : Poly2 coverage over the entire die shall be >= 14%
  density ..... 1 violation found.

PP.11 : Butting Pplus and NCOMP is forbidden within 0.43um of Nwell edge (for outside DNWELL) and of LVPWELL edge (for inside DNWELL case)
  and ..... 5 violations found.

PP.12 : Pplus overlap with N-channel Poly2 gate extension is forbidden within 0.32um of N-channel gate
  and ..... 42 violations found.

PP.2 : Min. Pplus Space : 0.4
  external1 ..... 132 violations found.
    Error limit exceeded. Details only available for first 100.

PP.3c(ii) : Pplus space to NCOMP outside DNWELL for NCOMP space to Nwell < 0.43 : 0.16
  external2 ..... 108 violations found.
    Error limit exceeded. Details only available for first 100.

PP.4a : Pplus space to related N-channel gate at

a butting edge parallel to gate : 0.32
  external2 ..... 12 violations found.

PP.5a : Pplus overlap of P-channel gate : 0.23
  enclose ..... 30 violations found.

PP.5b : Pplus extension beyond COMP for the COMP
(1) inside NWELL (2) outside LVPWELL but inside
DNWELL : 0.16
  enclose ..... 12 violations found.

PP.5c(ii) : Pplus extension beyond COMP inside DNWELL
for LVPWELL overlap of Pplus < 0.43 : 0.16
  enclose ..... 16 violations found.

PP.5d(ii) : Pplus extension beyond COMP outside
DNWELL for Pplus space to Nwell < 0.43 : 0.16
  enclose ..... 176 violations found.
     Error limit exceeded. Details only available for first 100.

PP.6 : Pplus overlap with PCOMP butted to NCOMP :
0.22
  internal1 ..... 16 violations found.

V1.1: Min/max Via1 size : 0.26
  not_length_edge ..... 102 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

V2.1: Min/max Via2 size : 0.26
  not_length_edge ..... 102 violations found.
     Error limit exceeded. Details only available for first 100.
     Check was stopped early because error limit was reached.

ERROR DETAILS

CO.10 Contact on Poly2 gate over COMP is forbidden

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2751:and

- -

Structure (lower left x, y) (upper right x, y)

- -

trackA (1349.3300, 2367.1500) (1349.5500, 2367.3700)
trackA (1356.7300, 2367.1600) (1356.9500, 2367.3800)
trackA (1358.4100, 2367.1850) (1358.6300, 2367.4050)
trackA (1367.7200, 2367.1850) (1367.9400, 2367.4050)
trackA (1377.0300, 2367.1850) (1377.2500, 2367.4050)
trackA (1386.3400, 2367.1850) (1386.5600, 2367.4050)
trackA (1349.3300, 2372.9750) (1349.5500, 2372.9800)
trackA (1349.3300, 2373.2700) (1349.5500, 2373.4750)
trackA (1356.7300, 2372.9750) (1356.9500, 2372.9900)
trackA (1356.7300, 2373.2800) (1356.9500, 2373.4750)
trackA (1349.3300, 2378.8800) (1349.5500, 2379.1000)
trackA (1356.7300, 2378.8900) (1356.9500, 2379.1100)
trackA (1349.3300, 2384.6750) (1349.5500, 2384.7100)
trackA (1349.3300, 2385.0000) (1349.5500, 2385.1750)
trackA (1356.7300, 2384.6750) (1356.9500, 2384.7200)
trackA (1356.7300, 2385.0100) (1356.9500, 2385.1750)
trackA (1349.3300, 2390.6100) (1349.5500, 2390.8300)
trackA (1356.7300, 2390.6200) (1356.9500, 2390.8400)
trackA (1359.1000, 2390.4650) (1359.3200, 2390.6850)
trackA (1368.4100, 2390.4650) (1368.6300, 2390.6850)
trackA (1377.7200, 2390.4650) (1377.9400, 2390.6850)
trackA (1387.0300, 2390.4650) (1387.2500, 2390.6850)
trackA (1454.8300, 2418.5650) (1455.0500, 2418.7050)
trackA (1454.8300, 2418.9950) (1455.0500, 2419.0650)
trackA (1462.9250, 2418.5850) (1463.1450, 2418.8050)
trackA (1468.0700, 2418.7050) (1468.2900, 2418.9250)
trackA (1487.7500, 2418.7050) (1487.9700, 2418.9250)
trackA (1477.9100, 2418.7050) (1478.1300, 2418.9250)
trackA (1454.8300, 2410.9550) (1455.0500, 2411.0550)
trackA (1454.8300, 2411.3450) (1455.0500, 2411.4550)
trackA (1462.9250, 2410.9550) (1463.1450, 2411.1550)
trackA (1462.9250, 2411.4450) (1463.1450, 2411.4550)
trackA (1496.6100, 2411.3700) (1496.8300, 2411.4550)
trackA (1468.0700, 2411.0950) (1468.2900, 2411.3150)
trackA (1477.9100, 2411.0950) (1478.1300, 2411.3150)
trackA (1487.7500, 2411.0950) (1487.9700, 2411.3150)
trackA (1454.8300, 2403.3450) (1455.0500, 2403.4050)
trackA (1454.8300, 2403.6950) (1455.0500, 2403.8450)
trackA (1462.9250, 2403.3450) (1463.1450, 2403.5050)

trackA (1462.9250, 2403.7950) (1463.1450, 2403.8450)
trackA (1496.6100, 2403.3700) (1496.8300, 2403.5900)
trackA (1468.0700, 2403.4850) (1468.2900, 2403.7050)
trackA (1477.9100, 2403.4850) (1478.1300, 2403.7050)
trackA (1487.7500, 2403.4850) (1487.9700, 2403.7050)
trackA (1454.8300, 2395.7350) (1455.0500, 2395.7550)
trackA (1454.8300, 2396.0450) (1455.0500, 2396.2350)
trackA (1462.9250, 2395.7350) (1463.1450, 2395.8550)
trackA (1462.9250, 2396.1450) (1463.1450, 2396.2350)
trackA (1496.6100, 2396.1700) (1496.8300, 2396.2350)
trackA (1468.0700, 2395.8750) (1468.2900, 2396.0950)
trackA (1477.9100, 2395.8750) (1478.1300, 2396.0950)
trackA (1487.7500, 2395.8750) (1487.9700, 2396.0950)
trackA (1454.8300, 2388.3950) (1455.0500, 2388.6150)
trackA (1462.9250, 2388.1250) (1463.1450, 2388.2050)
trackA (1462.9250, 2388.4950) (1463.1450, 2388.6250)
trackA (1496.6100, 2388.1700) (1496.8300, 2388.3900)
trackA (1468.0700, 2388.2650) (1468.2900, 2388.4850)
trackA (1477.9100, 2388.2650) (1478.1300, 2388.4850)
trackA (1487.7500, 2388.2650) (1487.9700, 2388.4850)
trackA (1454.8300, 2380.7450) (1455.0500, 2380.9650)
trackA (1462.9250, 2380.5150) (1463.1450, 2380.5550)
trackA (1462.9250, 2380.8450) (1463.1450, 2381.0150)
trackA (1496.6100, 2380.9700) (1496.8300, 2381.0150)
trackA (1468.0700, 2380.6550) (1468.2900, 2380.8750)
trackA (1477.9100, 2380.6550) (1478.1300, 2380.8750)
trackA (1487.7500, 2380.6550) (1487.9700, 2380.8750)
trackA (1454.8300, 2373.0950) (1455.0500, 2373.3150)
trackA (1462.9250, 2373.1950) (1463.1450, 2373.4050)
trackA (1496.6100, 2372.9700) (1496.8300, 2373.1900)
trackA (1468.0700, 2373.0450) (1468.2900, 2373.2650)
trackA (1477.9100, 2373.0450) (1478.1300, 2373.2650)
trackA (1487.7500, 2373.0450) (1487.9700, 2373.2650)
trackA (1454.8300, 2365.4450) (1455.0500, 2365.6650)
trackA (1462.9250, 2365.5450) (1463.1450, 2365.7650)
trackA (1496.6100, 2365.7700) (1496.8300, 2365.7950)
trackA (1468.0700, 2365.4350) (1468.2900, 2365.6550)
trackA (1477.9100, 2365.4350) (1478.1300, 2365.6550)
trackA (1487.7500, 2365.4350) (1487.9700, 2365.6550)

CO.1: Min/max contact size : 0.22

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2661:not_length_edge

WARNING: The error count of 102 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

Unnamed_02d9ae27 (-10.5300, 10.8950) (-10.5300, 11.1200) 0.2250
Unnamed_02d9ae27 (-10.3100, 10.8950) (-10.3100, 11.1200) 0.2250
Unnamed_02d9ae27 (-10.5300, 11.3950) (-10.5300, 11.6200) 0.2250
Unnamed_02d9ae27 (-10.3100, 11.3950) (-10.3100, 11.6200) 0.2250
Unnamed_02d9ae27 (-10.5300, 11.8950) (-10.5300, 12.1200) 0.2250
Unnamed_02d9ae27 (-10.3100, 11.8950) (-10.3100, 12.1200) 0.2250
Unnamed_02d9ae27 (-10.5300, 12.3950) (-10.5300, 12.6200) 0.2250
Unnamed_02d9ae27 (-10.3100, 12.3950) (-10.3100, 12.6200) 0.2250
Unnamed_02d9ae27 (10.3100, 10.8950) (10.3100, 11.1200) 0.2250
Unnamed_02d9ae27 (10.5300, 10.8950) (10.5300, 11.1200) 0.2250
Unnamed_02d9ae27 (10.3100, 11.3950) (10.3100, 11.6200) 0.2250
Unnamed_02d9ae27 (10.5300, 11.3950) (10.5300, 11.6200) 0.2250
Unnamed_02d9ae27 (10.3100, 11.8950) (10.3100, 12.1200) 0.2250
Unnamed_02d9ae27 (10.5300, 11.8950) (10.5300, 12.1200) 0.2250
Unnamed_02d9ae27 (10.3100, 12.3950) (10.3100, 12.6200) 0.2250
Unnamed_02d9ae27 (10.5300, 12.3950) (10.5300, 12.6200) 0.2250
Unnamed_02d9ae27 (-10.5300, 12.8950) (-10.5300, 13.1200) 0.2250
Unnamed_02d9ae27 (-10.3100, 12.8950) (-10.3100, 13.1200) 0.2250
Unnamed_02d9ae27 (-10.5300, 13.3950) (-10.5300, 13.6200) 0.2250
Unnamed_02d9ae27 (-10.3100, 13.3950) (-10.3100, 13.6200) 0.2250
Unnamed_02d9ae27 (-9.3100, 14.1450) (-9.3100, 14.3700) 0.2250
Unnamed_02d9ae27 (-9.0900, 14.1450) (-9.0900, 14.3700) 0.2250
Unnamed_02d9ae27 (-8.5100, 14.1450) (-8.5100, 14.3700) 0.2250
Unnamed_02d9ae27 (-8.2900, 14.1450) (-8.2900, 14.3700) 0.2250
Unnamed_02d9ae27 (-7.7100, 14.1450) (-7.7100, 14.3700) 0.2250
Unnamed_02d9ae27 (-7.4900, 14.1450) (-7.4900, 14.3700) 0.2250
Unnamed_02d9ae27 (-6.9100, 14.1450) (-6.9100, 14.3700) 0.2250
Unnamed_02d9ae27 (-6.6900, 14.1450) (-6.6900, 14.3700) 0.2250
Unnamed_02d9ae27 (-6.1100, 14.1450) (-6.1100, 14.3700) 0.2250
Unnamed_02d9ae27 (-5.8900, 14.1450) (-5.8900, 14.3700) 0.2250
Unnamed_02d9ae27 (-5.3100, 14.1450) (-5.3100, 14.3700) 0.2250
Unnamed_02d9ae27 (-5.0900, 14.1450) (-5.0900, 14.3700) 0.2250
Unnamed_02d9ae27 (-4.5100, 14.1450) (-4.5100, 14.3700) 0.2250

Unnamed_02d9ae27 (-4.2900, 14.1450) (-4.2900, 14.3700) 0.2250
Unnamed_02d9ae27 (-3.7100, 14.1450) (-3.7100, 14.3700) 0.2250
Unnamed_02d9ae27 (-3.4900, 14.1450) (-3.4900, 14.3700) 0.2250
Unnamed_02d9ae27 (-2.9100, 14.1450) (-2.9100, 14.3700) 0.2250
Unnamed_02d9ae27 (-2.6900, 14.1450) (-2.6900, 14.3700) 0.2250
Unnamed_02d9ae27 (-2.1100, 14.1450) (-2.1100, 14.3700) 0.2250
Unnamed_02d9ae27 (-1.8900, 14.1450) (-1.8900, 14.3700) 0.2250
Unnamed_02d9ae27 (-1.3100, 14.1450) (-1.3100, 14.3700) 0.2250
Unnamed_02d9ae27 (-1.0900, 14.1450) (-1.0900, 14.3700) 0.2250
Unnamed_02d9ae27 (-0.5100, 14.1450) (-0.5100, 14.3700) 0.2250
Unnamed_02d9ae27 (-0.2900, 14.1450) (-0.2900, 14.3700) 0.2250
Unnamed_02d9ae27 (0.2900, 14.1450) (0.2900, 14.3700) 0.2250
Unnamed_02d9ae27 (0.5100, 14.1450) (0.5100, 14.3700) 0.2250
Unnamed_02d9ae27 (1.0900, 14.1450) (1.0900, 14.3700) 0.2250
Unnamed_02d9ae27 (1.3100, 14.1450) (1.3100, 14.3700) 0.2250
Unnamed_02d9ae27 (1.8900, 14.1450) (1.8900, 14.3700) 0.2250
Unnamed_02d9ae27 (2.1100, 14.1450) (2.1100, 14.3700) 0.2250
Unnamed_02d9ae27 (2.6900, 14.1450) (2.6900, 14.3700) 0.2250
Unnamed_02d9ae27 (2.9100, 14.1450) (2.9100, 14.3700) 0.2250
Unnamed_02d9ae27 (3.4900, 14.1450) (3.4900, 14.3700) 0.2250
Unnamed_02d9ae27 (3.7100, 14.1450) (3.7100, 14.3700) 0.2250
Unnamed_02d9ae27 (4.2900, 14.1450) (4.2900, 14.3700) 0.2250
Unnamed_02d9ae27 (4.5100, 14.1450) (4.5100, 14.3700) 0.2250
Unnamed_02d9ae27 (5.0900, 14.1450) (5.0900, 14.3700) 0.2250
Unnamed_02d9ae27 (5.3100, 14.1450) (5.3100, 14.3700) 0.2250
Unnamed_02d9ae27 (5.8900, 14.1450) (5.8900, 14.3700) 0.2250
Unnamed_02d9ae27 (6.1100, 14.1450) (6.1100, 14.3700) 0.2250
Unnamed_02d9ae27 (6.6900, 14.1450) (6.6900, 14.3700) 0.2250
Unnamed_02d9ae27 (6.9100, 14.1450) (6.9100, 14.3700) 0.2250
Unnamed_02d9ae27 (7.4900, 14.1450) (7.4900, 14.3700) 0.2250
Unnamed_02d9ae27 (7.7100, 14.1450) (7.7100, 14.3700) 0.2250
Unnamed_02d9ae27 (8.2900, 14.1450) (8.2900, 14.3700) 0.2250
Unnamed_02d9ae27 (8.5100, 14.1450) (8.5100, 14.3700) 0.2250
Unnamed_02d9ae27 (9.0900, 14.1450) (9.0900, 14.3700) 0.2250
Unnamed_02d9ae27 (9.3100, 14.1450) (9.3100, 14.3700) 0.2250
Unnamed_02d9ae27 (10.3100, 12.8950) (10.3100, 13.1200) 0.2250
Unnamed_02d9ae27 (10.5300, 12.8950) (10.5300, 13.1200) 0.2250
Unnamed_02d9ae27 (10.3100, 13.3950) (10.3100, 13.6200) 0.2250
Unnamed_02d9ae27 (10.5300, 13.3950) (10.5300, 13.6200) 0.2250
Unnamed_02d9ae27 (-9.3600, 19.0900) (-9.3600, 19.3150) 0.2250
Unnamed_02d9ae27 (-9.1400, 19.0900) (-9.1400, 19.3150) 0.2250
Unnamed_02d9ae27 (-8.2200, 19.0900) (-8.2200, 19.3150) 0.2250
Unnamed_02d9ae27 (-8.0000, 19.0900) (-8.0000, 19.3150) 0.2250
Unnamed_02d9ae27 (-6.7400, 19.0900) (-6.7400, 19.3150) 0.2250

Unnamed_02d9ae27 (-6.5200, 19.0900) (-6.5200, 19.3150) 0.2250
Unnamed_02d9ae27 (-5.6000, 19.0900) (-5.6000, 19.3150) 0.2250
Unnamed_02d9ae27 (-5.3800, 19.0900) (-5.3800, 19.3150) 0.2250
Unnamed_02d9ae27 (-4.4600, 19.0900) (-4.4600, 19.3150) 0.2250
Unnamed_02d9ae27 (-4.2400, 19.0900) (-4.2400, 19.3150) 0.2250
Unnamed_02d9ae27 (-3.0800, 19.0900) (-3.0800, 19.3150) 0.2250
Unnamed_02d9ae27 (-2.8600, 19.0900) (-2.8600, 19.3150) 0.2250
Unnamed_02d9ae27 (-1.9400, 19.0900) (-1.9400, 19.3150) 0.2250
Unnamed_02d9ae27 (-1.7200, 19.0900) (-1.7200, 19.3150) 0.2250
Unnamed_02d9ae27 (-0.8000, 19.0900) (-0.8000, 19.3150) 0.2250
Unnamed_02d9ae27 (-0.5800, 19.0900) (-0.5800, 19.3150) 0.2250
Unnamed_02d9ae27 (0.5800, 19.0900) (0.5800, 19.3150) 0.2250
Unnamed_02d9ae27 (0.8000, 19.0900) (0.8000, 19.3150) 0.2250
Unnamed_02d9ae27 (1.7200, 19.0900) (1.7200, 19.3150) 0.2250
Unnamed_02d9ae27 (1.9400, 19.0900) (1.9400, 19.3150) 0.2250
Unnamed_02d9ae27 (2.8600, 19.0900) (2.8600, 19.3150) 0.2250
Unnamed_02d9ae27 (3.0800, 19.0900) (3.0800, 19.3150) 0.2250
Unnamed_02d9ae27 (4.2400, 19.0900) (4.2400, 19.3150) 0.2250
Unnamed_02d9ae27 (4.4600, 19.0900) (4.4600, 19.3150) 0.2250
Unnamed_02d9ae27 (5.3800, 19.0900) (5.3800, 19.3150) 0.2250
Unnamed_02d9ae27 (5.6000, 19.0900) (5.6000, 19.3150) 0.2250
Unnamed_02d9ae27 (6.5200, 19.0900) (6.5200, 19.3150) 0.2250
Unnamed_02d9ae27 (6.7400, 19.0900) (6.7400, 19.3150) 0.2250

CO.3 Poly2 overlap of contact : 0.07

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2681:enclose
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1462.9250, 2365.7650) (1463.1450, 2365.7950) 0.0300
trackA (1349.3300, 2367.1250) (1349.5500, 2367.1500) 0.0250
trackA (1356.7300, 2367.1250) (1356.9500, 2367.1600) 0.0350
trackA (1358.4100, 2367.1250) (1358.6300, 2367.1850) 0.0600
trackA (1367.7200, 2367.1250) (1367.9400, 2367.1850) 0.0600
trackA (1377.0300, 2367.1250) (1377.2500, 2367.1850) 0.0600
trackA (1386.3400, 2367.1250) (1386.5600, 2367.1850) 0.0600
trackA (1349.3300, 2378.8250) (1349.5500, 2378.8800) 0.0550
trackA (1356.7300, 2378.8250) (1356.9500, 2378.8900) 0.0650
trackA (1454.8300, 2380.9650) (1455.0500, 2381.0150) 0.0500

trackA (1496.6100, 2372.9050) (1496.8300, 2372.9700) 0.0650
trackA (1376.6300, 2383.2950) (1376.6550, 2383.5150) 0.0250
trackA (1454.8300, 2388.6150) (1455.0500, 2388.6250) 0.0100
trackA (1496.6100, 2388.1250) (1496.8300, 2388.1700) 0.0450
trackA (1462.9250, 2418.5650) (1463.1450, 2418.5850) 0.0200
trackA (1496.6100, 2403.3450) (1496.8300, 2403.3700) 0.0250

CO.4 COMP overlap of contact : 0.07

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2686:enclose
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1359.1000, 2383.1750) (1359.3200, 2383.2150) 0.0400
trackA (1368.4100, 2383.1750) (1368.6300, 2383.2150) 0.0400
trackA (1377.7200, 2383.1750) (1377.9400, 2383.2150) 0.0400
trackA (1387.0300, 2383.1750) (1387.2500, 2383.2150) 0.0400

CO.7 Space from COMP contact to Poly2 on COMP : 0.15

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2733:external2
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1349.3300, 2367.6250) (1349.5500, 2367.6600) 0.0350
trackA (1356.7300, 2367.6250) (1356.9500, 2367.6700) 0.0450
trackA (1349.3300, 2379.3250) (1349.5500, 2379.3900) 0.0650
trackA (1356.7300, 2379.3250) (1356.9500, 2379.4000) 0.0750
trackA (1349.3300, 2391.0250) (1349.5500, 2391.1200) 0.0950
trackA (1356.7300, 2391.0250) (1356.9500, 2391.1300) 0.1050
trackA (1462.9250, 2419.0650) (1463.1450, 2419.0950) 0.0300
trackA (1496.6100, 2395.5900) (1496.8300, 2395.7350) 0.1450
trackA (1454.8300, 2388.1050) (1455.0500, 2388.1250) 0.0200
trackA (1454.8300, 2380.4550) (1455.0500, 2380.5150) 0.0600
trackA (1496.6100, 2380.3900) (1496.8300, 2380.5150) 0.1250
trackA (1454.8300, 2372.8050) (1455.0500, 2372.9050) 0.1000

trackA (1454.8300, 2365.1550) (1455.0500, 2365.2950) 0.1400
trackA (1462.9250, 2365.2550) (1463.1450, 2365.2950) 0.0400
trackA (1496.6100, 2365.1900) (1496.8300, 2365.2950) 0.1050
trackA (1358.0050, 2383.2950) (1358.0100, 2383.5150) 0.0050
trackA (1367.1850, 2383.2950) (1367.3200, 2383.5150) 0.1350
trackA (1387.3200, 2383.2950) (1387.3650, 2383.5150) 0.0450

CO.9 Contact on NCOMP to PCOMP butting edge is forbidden

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2745:and_edge
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1356.7300, 2366.3550) (1356.9500, 2366.3550)
trackA (1356.7300, 2378.0550) (1356.9500, 2378.0550)
trackA (1356.7300, 2389.7550) (1356.9500, 2389.7550)
trackA (1496.6100, 2402.5750) (1496.8300, 2402.5750)

COHVNESD.7_COHVPESD.7 : Recommended/max. salicided block edge to at least one or nearest contact (CA) <= 0.22

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:7062:not_interacting
- -
Structure (lower left x, y) (upper right x, y)
- -
comp018green_out_drv_nleg_4T$1 (6.6200, 40.8800) (11.8300, 41.1000)
comp018green_out_drv_nleg_4T$1 (6.6200, 2.2200) (11.8300, 2.4400)
comp018green_out_drv_nleg_4T$1 (0.7500, 40.8800) (5.9600, 41.1000)
comp018green_out_drv_nleg_4T$1 (0.7500, 2.2200) (5.9600, 2.4400)
pmos_6p0_esd_40$1 (1.1100, 40.8800) (4.8700, 41.1000)
pmos_6p0_esd_40$1 (1.1100, 0.2200) (4.8700, 0.4400)

CUP.3_Metal2 : Min space of Metal2 line used for bond pads = 1.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3001:external1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

Bondpad_5LM$1 (5.0400, 2.0000) (5.3400, 62.0000) 0.3000
Bondpad_5LM$1 (7.0400, 2.0000) (7.3400, 62.0000) 0.3000
Bondpad_5LM$1 (9.0400, 2.0000) (9.3400, 62.0000) 0.3000
Bondpad_5LM$1 (11.0400, 2.0000) (11.3400, 62.0000) 0.3000
Bondpad_5LM$1 (13.0400, 2.0000) (13.3400, 62.0000) 0.3000
Bondpad_5LM$1 (15.0400, 2.0000) (15.3400, 62.0000) 0.3000
Bondpad_5LM$1 (17.0400, 2.0000) (17.3400, 62.0000) 0.3000
Bondpad_5LM$1 (19.0400, 2.0000) (19.3400, 62.0000) 0.3000
Bondpad_5LM$1 (21.0400, 2.0000) (21.3400, 62.0000) 0.3000
Bondpad_5LM$1 (23.0400, 2.0000) (23.3400, 62.0000) 0.3000
Bondpad_5LM$1 (25.0400, 2.0000) (25.3400, 62.0000) 0.3000
Bondpad_5LM$1 (27.0400, 2.0000) (27.3400, 62.0000) 0.3000
Bondpad_5LM$1 (29.0400, 2.0000) (29.3400, 62.0000) 0.3000
Bondpad_5LM$1 (31.0400, 2.0000) (31.3400, 62.0000) 0.3000
Bondpad_5LM$1 (33.0400, 2.0000) (33.3400, 62.0000) 0.3000
Bondpad_5LM$1 (35.0400, 2.0000) (35.3400, 62.0000) 0.3000
Bondpad_5LM$1 (37.0400, 2.0000) (37.3400, 62.0000) 0.3000
Bondpad_5LM$1 (39.0400, 2.0000) (39.3400, 62.0000) 0.3000
Bondpad_5LM$1 (41.0400, 2.0000) (41.3400, 62.0000) 0.3000
Bondpad_5LM$1 (43.0400, 2.0000) (43.3400, 62.0000) 0.3000
Bondpad_5LM$1 (45.0400, 2.0000) (45.3400, 62.0000) 0.3000
Bondpad_5LM$1 (47.0400, 2.0000) (47.3400, 62.0000) 0.3000
Bondpad_5LM$1 (49.0400, 2.0000) (49.3400, 62.0000) 0.3000
Bondpad_5LM$1 (51.0400, 2.0000) (51.3400, 62.0000) 0.3000
Bondpad_5LM$1 (53.0400, 2.0000) (53.3400, 62.0000) 0.3000
Bondpad_5LM$1 (55.0400, 2.0000) (55.3400, 62.0000) 0.3000
Bondpad_5LM$1 (57.0400, 2.0000) (57.3400, 62.0000) 0.3000
Bondpad_5LM$1 (59.0400, 2.0000) (59.3400, 62.0000) 0.3000

CUP.3_Metal3 : Min space of Metal3 line used for bond pads = 1.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2998:external1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -
Bondpad_5LM$1 (5.0400, 2.2900) (5.3400, 61.6000) 0.3000
Bondpad_5LM$1 (7.0400, 2.2900) (7.3400, 61.6000) 0.3000
Bondpad_5LM$1 (9.0400, 2.2900) (9.3400, 61.6000) 0.3000
Bondpad_5LM$1 (11.0400, 2.2900) (11.3400, 61.6000) 0.3000
Bondpad_5LM$1 (13.0400, 2.2900) (13.3400, 61.6000) 0.3000
Bondpad_5LM$1 (15.0400, 2.2900) (15.3400, 61.6000) 0.3000
Bondpad_5LM$1 (17.0400, 2.2900) (17.3400, 61.6000) 0.3000
Bondpad_5LM$1 (19.0400, 2.2900) (19.3400, 61.6000) 0.3000
Bondpad_5LM$1 (21.0400, 2.2900) (21.3400, 61.6000) 0.3000
Bondpad_5LM$1 (23.0400, 2.2900) (23.3400, 61.6000) 0.3000
Bondpad_5LM$1 (25.0400, 2.2900) (25.3400, 61.6000) 0.3000
Bondpad_5LM$1 (27.0400, 2.2900) (27.3400, 61.6000) 0.3000
Bondpad_5LM$1 (29.0400, 2.2900) (29.3400, 61.6000) 0.3000
Bondpad_5LM$1 (31.0400, 2.2900) (31.3400, 61.6000) 0.3000
Bondpad_5LM$1 (33.0400, 2.2900) (33.3400, 61.6000) 0.3000
Bondpad_5LM$1 (35.0400, 2.2900) (35.3400, 61.6000) 0.3000
Bondpad_5LM$1 (37.0400, 2.2900) (37.3400, 61.6000) 0.3000
Bondpad_5LM$1 (39.0400, 2.2900) (39.3400, 61.6000) 0.3000
Bondpad_5LM$1 (41.0400, 2.2900) (41.3400, 61.6000) 0.3000
Bondpad_5LM$1 (43.0400, 2.2900) (43.3400, 61.6000) 0.3000
Bondpad_5LM$1 (45.0400, 2.2900) (45.3400, 61.6000) 0.3000
Bondpad_5LM$1 (47.0400, 2.2900) (47.3400, 61.6000) 0.3000
Bondpad_5LM$1 (49.0400, 2.2900) (49.3400, 61.6000) 0.3000
Bondpad_5LM$1 (51.0400, 2.2900) (51.3400, 61.6000) 0.3000
Bondpad_5LM$1 (53.0400, 2.2900) (53.3400, 61.6000) 0.3000
Bondpad_5LM$1 (55.0400, 2.2900) (55.3400, 61.6000) 0.3000
Bondpad_5LM$1 (57.0400, 2.2900) (57.3400, 61.6000) 0.3000
Bondpad_5LM$1 (59.0400, 2.2900) (59.3400, 61.6000) 0.3000

CUP.3_Metal4 : Min space of Metal4 line used for bond pads = 1.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2995:external1
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
Bondpad_5LM$1 (5.0400, 2.2900) (5.3400, 61.6000) 0.3000
Bondpad_5LM$1 (7.0400, 2.2900) (7.3400, 61.6000) 0.3000
Bondpad_5LM$1 (9.0400, 2.2900) (9.3400, 61.6000) 0.3000
Bondpad_5LM$1 (11.0400, 2.2900) (11.3400, 61.6000) 0.3000

Bondpad_5LM$1 (13.0400, 2.2900) (13.3400, 61.6000) 0.3000
Bondpad_5LM$1 (15.0400, 2.2900) (15.3400, 61.6000) 0.3000
Bondpad_5LM$1 (17.0400, 2.2900) (17.3400, 61.6000) 0.3000
Bondpad_5LM$1 (19.0400, 2.2900) (19.3400, 61.6000) 0.3000
Bondpad_5LM$1 (21.0400, 2.2900) (21.3400, 61.6000) 0.3000
Bondpad_5LM$1 (23.0400, 2.2900) (23.3400, 61.6000) 0.3000
Bondpad_5LM$1 (25.0400, 2.2900) (25.3400, 61.6000) 0.3000
Bondpad_5LM$1 (27.0400, 2.2900) (27.3400, 61.6000) 0.3000
Bondpad_5LM$1 (29.0400, 2.2900) (29.3400, 61.6000) 0.3000
Bondpad_5LM$1 (31.0400, 2.2900) (31.3400, 61.6000) 0.3000
Bondpad_5LM$1 (33.0400, 2.2900) (33.3400, 61.6000) 0.3000
Bondpad_5LM$1 (35.0400, 2.2900) (35.3400, 61.6000) 0.3000
Bondpad_5LM$1 (37.0400, 2.2900) (37.3400, 61.6000) 0.3000
Bondpad_5LM$1 (39.0400, 2.2900) (39.3400, 61.6000) 0.3000
Bondpad_5LM$1 (41.0400, 2.2900) (41.3400, 61.6000) 0.3000
Bondpad_5LM$1 (43.0400, 2.2900) (43.3400, 61.6000) 0.3000
Bondpad_5LM$1 (45.0400, 2.2900) (45.3400, 61.6000) 0.3000
Bondpad_5LM$1 (47.0400, 2.2900) (47.3400, 61.6000) 0.3000
Bondpad_5LM$1 (49.0400, 2.2900) (49.3400, 61.6000) 0.3000
Bondpad_5LM$1 (51.0400, 2.2900) (51.3400, 61.6000) 0.3000
Bondpad_5LM$1 (53.0400, 2.2900) (53.3400, 61.6000) 0.3000
Bondpad_5LM$1 (55.0400, 2.2900) (55.3400, 61.6000) 0.3000
Bondpad_5LM$1 (57.0400, 2.2900) (57.3400, 61.6000) 0.3000
Bondpad_5LM$1 (59.0400, 2.2900) (59.3400, 61.6000) 0.3000

CUP.5 : Top via (Via4) not allowed directly under pad opening
---

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3016:and

WARNING: The error count of 101 for this check exceeds the limit set in
    the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure   (lower left x, y) (upper right x, y)
- -
M5_M4_CDNS_40661953145556$1 (-29.5950, -0.4850) (-29.3350, -0.2250)
M5_M4_CDNS_40661953145556$1 (-29.5950, 0.2250) (-29.3350, 0.4850)
M5_M4_CDNS_40661953145556$1 (-28.8850, -0.4850) (-28.6250, -0.2250)
M5_M4_CDNS_40661953145556$1 (-28.8850, 0.2250) (-28.6250, 0.4850)

M5_M4_CDNS_406619531455 6$1 (-28.1750, -0.4850) (-27.9150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-28.1750, 0.2250) (-27.9150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-27.4650, -0.4850) (-27.2050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-27.4650, 0.2250) (-27.2050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-26.7550, -0.4850) (-26.4950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-26.7550, 0.2250) (-26.4950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-26.0450, -0.4850) (-25.7850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-26.0450, 0.2250) (-25.7850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-25.3350, -0.4850) (-25.0750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-25.3350, 0.2250) (-25.0750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-24.6250, -0.4850) (-24.3650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-24.6250, 0.2250) (-24.3650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-23.9150, -0.4850) (-23.6550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-23.9150, 0.2250) (-23.6550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-23.2050, -0.4850) (-22.9450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-23.2050, 0.2250) (-22.9450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-22.4950, -0.4850) (-22.2350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-22.4950, 0.2250) (-22.2350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-21.7850, -0.4850) (-21.5250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-21.7850, 0.2250) (-21.5250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-21.0750, -0.4850) (-20.8150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-21.0750, 0.2250) (-20.8150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-20.3650, -0.4850) (-20.1050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-20.3650, 0.2250) (-20.1050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-19.6550, -0.4850) (-19.3950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-19.6550, 0.2250) (-19.3950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-18.9450, -0.4850) (-18.6850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-18.9450, 0.2250) (-18.6850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-18.2350, -0.4850) (-17.9750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-18.2350, 0.2250) (-17.9750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-17.5250, -0.4850) (-17.2650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-17.5250, 0.2250) (-17.2650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-16.8150, -0.4850) (-16.5550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-16.8150, 0.2250) (-16.5550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-16.1050, -0.4850) (-15.8450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-16.1050, 0.2250) (-15.8450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-15.3950, -0.4850) (-15.1350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-15.3950, 0.2250) (-15.1350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-14.6850, -0.4850) (-14.4250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-14.6850, 0.2250) (-14.4250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-13.9750, -0.4850) (-13.7150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-13.9750, 0.2250) (-13.7150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-13.2650, -0.4850) (-13.0050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-13.2650, 0.2250) (-13.0050, 0.4850)

M5_M4_CDNS_406619531455 6$1 (-12.5550, -0.4850) (-12.2950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-12.5550, 0.2250) (-12.2950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-11.8450, -0.4850) (-11.5850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-11.8450, 0.2250) (-11.5850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-11.1350, -0.4850) (-10.8750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-11.1350, 0.2250) (-10.8750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-10.4250, -0.4850) (-10.1650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-10.4250, 0.2250) (-10.1650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-9.7150, -0.4850) (-9.4550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-9.7150, 0.2250) (-9.4550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-9.0050, -0.4850) (-8.7450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-9.0050, 0.2250) (-8.7450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-8.2950, -0.4850) (-8.0350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-8.2950, 0.2250) (-8.0350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-7.5850, -0.4850) (-7.3250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-7.5850, 0.2250) (-7.3250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-6.8750, -0.4850) (-6.6150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-6.8750, 0.2250) (-6.6150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-6.1650, -0.4850) (-5.9050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-6.1650, 0.2250) (-5.9050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-5.4550, -0.4850) (-5.1950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-5.4550, 0.2250) (-5.1950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-4.7450, -0.4850) (-4.4850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-4.7450, 0.2250) (-4.4850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-4.0350, -0.4850) (-3.7750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-4.0350, 0.2250) (-3.7750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-3.3250, -0.4850) (-3.0650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-3.3250, 0.2250) (-3.0650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-2.6150, -0.4850) (-2.3550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-2.6150, 0.2250) (-2.3550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-1.9050, -0.4850) (-1.6450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-1.9050, 0.2250) (-1.6450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-1.1950, -0.4850) (-0.9350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-1.1950, 0.2250) (-0.9350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-0.4850, -0.4850) (-0.2250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-0.4850, 0.2250) (-0.2250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (0.2250, -0.4850) (0.4850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (0.2250, 0.2250) (0.4850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (0.9350, -0.4850) (1.1950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (0.9350, 0.2250) (1.1950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (1.6450, -0.4850) (1.9050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (1.6450, 0.2250) (1.9050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (2.3550, -0.4850) (2.6150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (2.3550, 0.2250) (2.6150, 0.4850)

M5_M4_CDNS_406619531455 6$1 (3.0650, -0.4850) (3.3250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (3.0650, 0.2250) (3.3250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (3.7750, -0.4850) (4.0350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (3.7750, 0.2250) (4.0350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (4.4850, -0.4850) (4.7450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (4.4850, 0.2250) (4.7450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (5.1950, -0.4850) (5.4550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (5.1950, 0.2250) (5.4550, 0.4850)

CUP.7_Via2 : CUP.7c Vias shall be in the form of cluster or arrays
(<=3x3). Sea of via (> 3x3 array) is not allowed.
CUP.7d Min Via2 space in via arrays = 0.3
CUP.7e Min space between via arrays = 0.36

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:3095:not_rectangle_spacing1

WARNING: The error count of 280 for this check exceeds the limit set in
        the runset. Details only available for the first 100.
- -
Structure   (lower left x, y) (upper right x, y)
- -
Bondpad_5LM$1 (44.4050, 2.3500) (44.6650, 2.6100)
Bondpad_5LM$1 (8.4300, 2.3500) (8.6900, 2.6100)
Bondpad_5LM$1 (4.4250, 2.3500) (4.6850, 2.6100)
Bondpad_5LM$1 (6.4300, 2.3500) (6.6900, 2.6100)
Bondpad_5LM$1 (10.4150, 2.3500) (10.6750, 2.6100)
Bondpad_5LM$1 (12.4000, 2.3500) (12.6600, 2.6100)
Bondpad_5LM$1 (14.4200, 2.3500) (14.6800, 2.6100)
Bondpad_5LM$1 (24.4100, 2.3500) (24.6700, 2.6100)
Bondpad_5LM$1 (22.4100, 2.3500) (22.6700, 2.6100)
Bondpad_5LM$1 (20.3850, 2.3500) (20.6450, 2.6100)
Bondpad_5LM$1 (18.4000, 2.3500) (18.6600, 2.6100)
Bondpad_5LM$1 (26.4350, 2.3500) (26.6950, 2.6100)
Bondpad_5LM$1 (16.4000, 2.3500) (16.6600, 2.6100)
Bondpad_5LM$1 (60.4250, 2.3500) (60.6850, 2.6100)
Bondpad_5LM$1 (58.4000, 2.3500) (58.6600, 2.6100)
Bondpad_5LM$1 (56.4000, 2.3500) (56.6600, 2.6100)
Bondpad_5LM$1 (54.3750, 2.3500) (54.6350, 2.6100)
Bondpad_5LM$1 (52.3900, 2.3500) (52.6500, 2.6100)
Bondpad_5LM$1 (50.3900, 2.3500) (50.6500, 2.6100)

Bondpad_5LM$1 (48.4100, 2.3500) (48.6700, 2.6100)
Bondpad_5LM$1 (28.4200, 2.3500) (28.6800, 2.6100)
Bondpad_5LM$1 (42.4200, 2.3500) (42.6800, 2.6100)
Bondpad_5LM$1 (40.4200, 2.3500) (40.6800, 2.6100)
Bondpad_5LM$1 (38.4150, 2.3500) (38.6750, 2.6100)
Bondpad_5LM$1 (36.4450, 2.3500) (36.7050, 2.6100)
Bondpad_5LM$1 (34.4300, 2.3500) (34.6900, 2.6100)
Bondpad_5LM$1 (32.4200, 2.3500) (32.6800, 2.6100)
Bondpad_5LM$1 (30.4050, 2.3500) (30.6650, 2.6100)
Bondpad_5LM$1 (46.3900, 2.3500) (46.6500, 2.6100)
Bondpad_5LM$1 (43.6950, 2.3500) (43.9550, 2.6100)
Bondpad_5LM$1 (7.7200, 2.3500) (7.9800, 2.6100)
Bondpad_5LM$1 (3.7150, 2.3500) (3.9750, 2.6100)
Bondpad_5LM$1 (5.7200, 2.3500) (5.9800, 2.6100)
Bondpad_5LM$1 (9.7050, 2.3500) (9.9650, 2.6100)
Bondpad_5LM$1 (11.6900, 2.3500) (11.9500, 2.6100)
Bondpad_5LM$1 (13.7100, 2.3500) (13.9700, 2.6100)
Bondpad_5LM$1 (23.7000, 2.3500) (23.9600, 2.6100)
Bondpad_5LM$1 (21.7000, 2.3500) (21.9600, 2.6100)
Bondpad_5LM$1 (19.6750, 2.3500) (19.9350, 2.6100)
Bondpad_5LM$1 (17.6900, 2.3500) (17.9500, 2.6100)
Bondpad_5LM$1 (25.7250, 2.3500) (25.9850, 2.6100)
Bondpad_5LM$1 (15.6900, 2.3500) (15.9500, 2.6100)
Bondpad_5LM$1 (59.7150, 2.3500) (59.9750, 2.6100)
Bondpad_5LM$1 (57.6900, 2.3500) (57.9500, 2.6100)
Bondpad_5LM$1 (55.6900, 2.3500) (55.9500, 2.6100)
Bondpad_5LM$1 (53.6650, 2.3500) (53.9250, 2.6100)
Bondpad_5LM$1 (51.6800, 2.3500) (51.9400, 2.6100)
Bondpad_5LM$1 (49.6800, 2.3500) (49.9400, 2.6100)
Bondpad_5LM$1 (47.7000, 2.3500) (47.9600, 2.6100)
Bondpad_5LM$1 (27.7100, 2.3500) (27.9700, 2.6100)
Bondpad_5LM$1 (41.7100, 2.3500) (41.9700, 2.6100)
Bondpad_5LM$1 (39.7100, 2.3500) (39.9700, 2.6100)
Bondpad_5LM$1 (37.7050, 2.3500) (37.9650, 2.6100)
Bondpad_5LM$1 (35.7350, 2.3500) (35.9950, 2.6100)
Bondpad_5LM$1 (33.7200, 2.3500) (33.9800, 2.6100)
Bondpad_5LM$1 (31.7100, 2.3500) (31.9700, 2.6100)
Bondpad_5LM$1 (29.6950, 2.3500) (29.9550, 2.6100)
Bondpad_5LM$1 (45.6800, 2.3500) (45.9400, 2.6100)
Bondpad_5LM$1 (44.4050, 3.0600) (44.6650, 3.3200)
Bondpad_5LM$1 (8.4300, 3.0600) (8.6900, 3.3200)
Bondpad_5LM$1 (4.4250, 3.0600) (4.6850, 3.3200)
Bondpad_5LM$1 (6.4300, 3.0600) (6.6900, 3.3200)
Bondpad_5LM$1 (10.4150, 3.0600) (10.6750, 3.3200)

Bondpad_5LM$1 (12.4000, 3.0600) (12.6600, 3.3200)
Bondpad_5LM$1 (14.4200, 3.0600) (14.6800, 3.3200)
Bondpad_5LM$1 (24.4100, 3.0600) (24.6700, 3.3200)
Bondpad_5LM$1 (22.4100, 3.0600) (22.6700, 3.3200)
Bondpad_5LM$1 (20.3850, 3.0600) (20.6450, 3.3200)
Bondpad_5LM$1 (18.4000, 3.0600) (18.6600, 3.3200)
Bondpad_5LM$1 (26.4350, 3.0600) (26.6950, 3.3200)
Bondpad_5LM$1 (16.4000, 3.0600) (16.6600, 3.3200)
Bondpad_5LM$1 (60.4250, 3.0600) (60.6850, 3.3200)
Bondpad_5LM$1 (58.4000, 3.0600) (58.6600, 3.3200)
Bondpad_5LM$1 (56.4000, 3.0600) (56.6600, 3.3200)
Bondpad_5LM$1 (54.3750, 3.0600) (54.6350, 3.3200)
Bondpad_5LM$1 (52.3900, 3.0600) (52.6500, 3.3200)
Bondpad_5LM$1 (50.3900, 3.0600) (50.6500, 3.3200)
Bondpad_5LM$1 (48.4100, 3.0600) (48.6700, 3.3200)
Bondpad_5LM$1 (28.4200, 3.0600) (28.6800, 3.3200)
Bondpad_5LM$1 (42.4200, 3.0600) (42.6800, 3.3200)
Bondpad_5LM$1 (40.4200, 3.0600) (40.6800, 3.3200)
Bondpad_5LM$1 (38.4150, 3.0600) (38.6750, 3.3200)
Bondpad_5LM$1 (36.4450, 3.0600) (36.7050, 3.3200)
Bondpad_5LM$1 (34.4300, 3.0600) (34.6900, 3.3200)
Bondpad_5LM$1 (32.4200, 3.0600) (32.6800, 3.3200)
Bondpad_5LM$1 (30.4050, 3.0600) (30.6650, 3.3200)
Bondpad_5LM$1 (46.3900, 3.0600) (46.6500, 3.3200)
Bondpad_5LM$1 (43.6950, 3.0600) (43.9550, 3.3200)
Bondpad_5LM$1 (7.7200, 3.0600) (7.9800, 3.3200)
Bondpad_5LM$1 (3.7150, 3.0600) (3.9750, 3.3200)
Bondpad_5LM$1 (5.7200, 3.0600) (5.9800, 3.3200)
Bondpad_5LM$1 (9.7050, 3.0600) (9.9650, 3.3200)
Bondpad_5LM$1 (11.6900, 3.0600) (11.9500, 3.3200)
Bondpad_5LM$1 (13.7100, 3.0600) (13.9700, 3.3200)
Bondpad_5LM$1 (23.7000, 3.0600) (23.9600, 3.3200)
Bondpad_5LM$1 (21.7000, 3.0600) (21.9600, 3.3200)
Bondpad_5LM$1 (19.6750, 3.0600) (19.9350, 3.3200)
Bondpad_5LM$1 (17.6900, 3.0600) (17.9500, 3.3200)
Bondpad_5LM$1 (25.7250, 3.0600) (25.9850, 3.3200)
Bondpad_5LM$1 (15.6900, 3.0600) (15.9500, 3.3200)

CUP.7_Via3 : CUP.7c Vias shall be in the form of cluster or arrays (<=3x3). Sea of via (> 3x3 array) is not allowed.
CUP.7d Min Via3 space in via arrays = 0.3
CUP.7e Min space between via arrays = 0.36

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3080:not_rectangle_spacing1

WARNING: The error count of 168 for this check exceeds the limit set in
the runset. Details only available for the first 100.

- -

Structure (lower left x, y) (upper right x, y)

- -

M4_M3_CDNS_406619531455 1$1 (-29.5950, -0.4850) (-29.3350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-29.5950, 0.2250) (-29.3350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-28.8850, -0.4850) (-28.6250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-28.8850, 0.2250) (-28.6250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-28.1750, -0.4850) (-27.9150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-28.1750, 0.2250) (-27.9150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-27.4650, -0.4850) (-27.2050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-27.4650, 0.2250) (-27.2050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-26.7550, -0.4850) (-26.4950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-26.7550, 0.2250) (-26.4950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-26.0450, -0.4850) (-25.7850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-26.0450, 0.2250) (-25.7850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-25.3350, -0.4850) (-25.0750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-25.3350, 0.2250) (-25.0750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-24.6250, -0.4850) (-24.3650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-24.6250, 0.2250) (-24.3650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-23.9150, -0.4850) (-23.6550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-23.9150, 0.2250) (-23.6550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-23.2050, -0.4850) (-22.9450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-23.2050, 0.2250) (-22.9450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-22.4950, -0.4850) (-22.2350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-22.4950, 0.2250) (-22.2350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-21.7850, -0.4850) (-21.5250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-21.7850, 0.2250) (-21.5250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-21.0750, -0.4850) (-20.8150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-21.0750, 0.2250) (-20.8150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-20.3650, -0.4850) (-20.1050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-20.3650, 0.2250) (-20.1050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-19.6550, -0.4850) (-19.3950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-19.6550, 0.2250) (-19.3950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-18.9450, -0.4850) (-18.6850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-18.9450, 0.2250) (-18.6850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-18.2350, -0.4850) (-17.9750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-18.2350, 0.2250) (-17.9750, 0.4850)

M4_M3_CDNS_406619531455 1$1 (-17.5250, -0.4850) (-17.2650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-17.5250, 0.2250) (-17.2650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-16.8150, -0.4850) (-16.5550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-16.8150, 0.2250) (-16.5550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-16.1050, -0.4850) (-15.8450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-16.1050, 0.2250) (-15.8450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-15.3950, -0.4850) (-15.1350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-15.3950, 0.2250) (-15.1350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-14.6850, -0.4850) (-14.4250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-14.6850, 0.2250) (-14.4250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-13.9750, -0.4850) (-13.7150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-13.9750, 0.2250) (-13.7150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-13.2650, -0.4850) (-13.0050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-13.2650, 0.2250) (-13.0050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-12.5550, -0.4850) (-12.2950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-12.5550, 0.2250) (-12.2950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-11.8450, -0.4850) (-11.5850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-11.8450, 0.2250) (-11.5850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-11.1350, -0.4850) (-10.8750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-11.1350, 0.2250) (-10.8750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-10.4250, -0.4850) (-10.1650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-10.4250, 0.2250) (-10.1650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-9.7150, -0.4850) (-9.4550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-9.7150, 0.2250) (-9.4550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-9.0050, -0.4850) (-8.7450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-9.0050, 0.2250) (-8.7450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-8.2950, -0.4850) (-8.0350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-8.2950, 0.2250) (-8.0350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-7.5850, -0.4850) (-7.3250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-7.5850, 0.2250) (-7.3250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-6.8750, -0.4850) (-6.6150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-6.8750, 0.2250) (-6.6150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-6.1650, -0.4850) (-5.9050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-6.1650, 0.2250) (-5.9050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-5.4550, -0.4850) (-5.1950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-5.4550, 0.2250) (-5.1950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-4.7450, -0.4850) (-4.4850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-4.7450, 0.2250) (-4.4850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-4.0350, -0.4850) (-3.7750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-4.0350, 0.2250) (-3.7750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-3.3250, -0.4850) (-3.0650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-3.3250, 0.2250) (-3.0650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-2.6150, -0.4850) (-2.3550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-2.6150, 0.2250) (-2.3550, 0.4850)

M4_M3_CDNS_406619531455 1$1 (-1.9050, -0.4850) (-1.6450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-1.9050, 0.2250) (-1.6450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-1.1950, -0.4850) (-0.9350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-1.1950, 0.2250) (-0.9350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-0.4850, -0.4850) (-0.2250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-0.4850, 0.2250) (-0.2250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (0.2250, -0.4850) (0.4850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (0.2250, 0.2250) (0.4850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (0.9350, -0.4850) (1.1950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (0.9350, 0.2250) (1.1950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (1.6450, -0.4850) (1.9050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (1.6450, 0.2250) (1.9050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (2.3550, -0.4850) (2.6150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (2.3550, 0.2250) (2.6150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (3.0650, -0.4850) (3.3250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (3.0650, 0.2250) (3.3250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (3.7750, -0.4850) (4.0350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (3.7750, 0.2250) (4.0350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (4.4850, -0.4850) (4.7450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (4.4850, 0.2250) (4.7450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (5.1950, -0.4850) (5.4550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (5.1950, 0.2250) (5.4550, 0.4850)

CUP.7_Via4 : CUP.7c Vias shall be in the form of cluster or arrays
(<=3x3). Sea of via (> 3x3 array) is not allowed.
CUP.7d Min Via4 space in via arrays = 0.3
CUP.7e Min space between via arrays = 0.36

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:3065:not_rectangle_spacing1

WARNING: The error count of 168 for this check exceeds the limit set in
        the runset. Details only available for the first 100.
- -
Structure   (lower left x, y) (upper right x, y)
- -
M5_M4_CDNS_406619531455 6$1 (-29.5950, -0.4850) (-29.3350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-29.5950, 0.2250) (-29.3350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-28.8850, -0.4850) (-28.6250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-28.8850, 0.2250) (-28.6250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-28.1750, -0.4850) (-27.9150, -0.2250)

M5_M4_CDNS_406619531455 6$1 (-28.1750, 0.2250) (-27.9150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-27.4650, -0.4850) (-27.2050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-27.4650, 0.2250) (-27.2050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-26.7550, -0.4850) (-26.4950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-26.7550, 0.2250) (-26.4950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-26.0450, -0.4850) (-25.7850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-26.0450, 0.2250) (-25.7850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-25.3350, -0.4850) (-25.0750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-25.3350, 0.2250) (-25.0750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-24.6250, -0.4850) (-24.3650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-24.6250, 0.2250) (-24.3650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-23.9150, -0.4850) (-23.6550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-23.9150, 0.2250) (-23.6550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-23.2050, -0.4850) (-22.9450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-23.2050, 0.2250) (-22.9450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-22.4950, -0.4850) (-22.2350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-22.4950, 0.2250) (-22.2350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-21.7850, -0.4850) (-21.5250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-21.7850, 0.2250) (-21.5250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-21.0750, -0.4850) (-20.8150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-21.0750, 0.2250) (-20.8150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-20.3650, -0.4850) (-20.1050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-20.3650, 0.2250) (-20.1050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-19.6550, -0.4850) (-19.3950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-19.6550, 0.2250) (-19.3950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-18.9450, -0.4850) (-18.6850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-18.9450, 0.2250) (-18.6850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-18.2350, -0.4850) (-17.9750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-18.2350, 0.2250) (-17.9750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-17.5250, -0.4850) (-17.2650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-17.5250, 0.2250) (-17.2650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-16.8150, -0.4850) (-16.5550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-16.8150, 0.2250) (-16.5550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-16.1050, -0.4850) (-15.8450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-16.1050, 0.2250) (-15.8450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-15.3950, -0.4850) (-15.1350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-15.3950, 0.2250) (-15.1350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-14.6850, -0.4850) (-14.4250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-14.6850, 0.2250) (-14.4250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-13.9750, -0.4850) (-13.7150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-13.9750, 0.2250) (-13.7150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-13.2650, -0.4850) (-13.0050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-13.2650, 0.2250) (-13.0050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-12.5550, -0.4850) (-12.2950, -0.2250)

M5_M4_CDNS_406619531455 6$1 (-12.5550, 0.2250) (-12.2950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-11.8450, -0.4850) (-11.5850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-11.8450, 0.2250) (-11.5850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-11.1350, -0.4850) (-10.8750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-11.1350, 0.2250) (-10.8750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-10.4250, -0.4850) (-10.1650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-10.4250, 0.2250) (-10.1650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-9.7150, -0.4850) (-9.4550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-9.7150, 0.2250) (-9.4550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-9.0050, -0.4850) (-8.7450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-9.0050, 0.2250) (-8.7450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-8.2950, -0.4850) (-8.0350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-8.2950, 0.2250) (-8.0350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-7.5850, -0.4850) (-7.3250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-7.5850, 0.2250) (-7.3250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-6.8750, -0.4850) (-6.6150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-6.8750, 0.2250) (-6.6150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-6.1650, -0.4850) (-5.9050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-6.1650, 0.2250) (-5.9050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-5.4550, -0.4850) (-5.1950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-5.4550, 0.2250) (-5.1950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-4.7450, -0.4850) (-4.4850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-4.7450, 0.2250) (-4.4850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-4.0350, -0.4850) (-3.7750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-4.0350, 0.2250) (-3.7750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-3.3250, -0.4850) (-3.0650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-3.3250, 0.2250) (-3.0650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-2.6150, -0.4850) (-2.3550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-2.6150, 0.2250) (-2.3550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-1.9050, -0.4850) (-1.6450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-1.9050, 0.2250) (-1.6450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-1.1950, -0.4850) (-0.9350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-1.1950, 0.2250) (-0.9350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-0.4850, -0.4850) (-0.2250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-0.4850, 0.2250) (-0.2250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (0.2250, -0.4850) (0.4850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (0.2250, 0.2250) (0.4850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (0.9350, -0.4850) (1.1950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (0.9350, 0.2250) (1.1950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (1.6450, -0.4850) (1.9050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (1.6450, 0.2250) (1.9050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (2.3550, -0.4850) (2.6150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (2.3550, 0.2250) (2.6150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (3.0650, -0.4850) (3.3250, -0.2250)

M5_M4_CDNS_406619531455 6$1 (3.0650, 0.2250) (3.3250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (3.7750, -0.4850) (4.0350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (3.7750, 0.2250) (4.0350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (4.4850, -0.4850) (4.7450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (4.4850, 0.2250) (4.7450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (5.1950, -0.4850) (5.4550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (5.1950, 0.2250) (5.4550, 0.4850)

CUP.8 : Top_Via-1 directly underneath the Pad mask is not Allowed

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/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3121:and

WARNING: The error count of 101 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure (lower left x, y) (upper right x, y)

- -

M4_M3_CDNS_406619531455 1$1 (-29.5950, -0.4850) (-29.3350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-29.5950, 0.2250) (-29.3350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-28.8850, -0.4850) (-28.6250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-28.8850, 0.2250) (-28.6250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-28.1750, -0.4850) (-27.9150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-28.1750, 0.2250) (-27.9150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-27.4650, -0.4850) (-27.2050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-27.4650, 0.2250) (-27.2050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-26.7550, -0.4850) (-26.4950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-26.7550, 0.2250) (-26.4950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-26.0450, -0.4850) (-25.7850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-26.0450, 0.2250) (-25.7850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-25.3350, -0.4850) (-25.0750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-25.3350, 0.2250) (-25.0750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-24.6250, -0.4850) (-24.3650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-24.6250, 0.2250) (-24.3650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-23.9150, -0.4850) (-23.6550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-23.9150, 0.2250) (-23.6550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-23.2050, -0.4850) (-22.9450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-23.2050, 0.2250) (-22.9450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-22.4950, -0.4850) (-22.2350, -0.2250)

M4_M3_CDNS_406619531455 1$1 (-22.4950, 0.2250) (-22.2350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-21.7850, -0.4850) (-21.5250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-21.7850, 0.2250) (-21.5250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-21.0750, -0.4850) (-20.8150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-21.0750, 0.2250) (-20.8150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-20.3650, -0.4850) (-20.1050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-20.3650, 0.2250) (-20.1050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-19.6550, -0.4850) (-19.3950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-19.6550, 0.2250) (-19.3950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-18.9450, -0.4850) (-18.6850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-18.9450, 0.2250) (-18.6850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-18.2350, -0.4850) (-17.9750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-18.2350, 0.2250) (-17.9750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-17.5250, -0.4850) (-17.2650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-17.5250, 0.2250) (-17.2650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-16.8150, -0.4850) (-16.5550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-16.8150, 0.2250) (-16.5550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-16.1050, -0.4850) (-15.8450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-16.1050, 0.2250) (-15.8450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-15.3950, -0.4850) (-15.1350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-15.3950, 0.2250) (-15.1350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-14.6850, -0.4850) (-14.4250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-14.6850, 0.2250) (-14.4250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-13.9750, -0.4850) (-13.7150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-13.9750, 0.2250) (-13.7150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-13.2650, -0.4850) (-13.0050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-13.2650, 0.2250) (-13.0050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-12.5550, -0.4850) (-12.2950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-12.5550, 0.2250) (-12.2950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-11.8450, -0.4850) (-11.5850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-11.8450, 0.2250) (-11.5850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-11.1350, -0.4850) (-10.8750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-11.1350, 0.2250) (-10.8750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-10.4250, -0.4850) (-10.1650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-10.4250, 0.2250) (-10.1650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-9.7150, -0.4850) (-9.4550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-9.7150, 0.2250) (-9.4550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-9.0050, -0.4850) (-8.7450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-9.0050, 0.2250) (-8.7450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-8.2950, -0.4850) (-8.0350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-8.2950, 0.2250) (-8.0350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-7.5850, -0.4850) (-7.3250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-7.5850, 0.2250) (-7.3250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-6.8750, -0.4850) (-6.6150, -0.2250)

M4_M3_CDNS_406619531455 1$1 (-6.8750, 0.2250) (-6.6150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-6.1650, -0.4850) (-5.9050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-6.1650, 0.2250) (-5.9050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-5.4550, -0.4850) (-5.1950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-5.4550, 0.2250) (-5.1950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-4.7450, -0.4850) (-4.4850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-4.7450, 0.2250) (-4.4850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-4.0350, -0.4850) (-3.7750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-4.0350, 0.2250) (-3.7750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-3.3250, -0.4850) (-3.0650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-3.3250, 0.2250) (-3.0650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-2.6150, -0.4850) (-2.3550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-2.6150, 0.2250) (-2.3550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-1.9050, -0.4850) (-1.6450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-1.9050, 0.2250) (-1.6450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-1.1950, -0.4850) (-0.9350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-1.1950, 0.2250) (-0.9350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-0.4850, -0.4850) (-0.2250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-0.4850, 0.2250) (-0.2250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (0.2250, -0.4850) (0.4850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (0.2250, 0.2250) (0.4850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (0.9350, -0.4850) (1.1950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (0.9350, 0.2250) (1.1950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (1.6450, -0.4850) (1.9050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (1.6450, 0.2250) (1.9050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (2.3550, -0.4850) (2.6150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (2.3550, 0.2250) (2.6150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (3.0650, -0.4850) (3.3250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (3.0650, 0.2250) (3.3250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (3.7750, -0.4850) (4.0350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (3.7750, 0.2250) (4.0350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (4.4850, -0.4850) (4.7450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (4.4850, 0.2250) (4.7450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (5.1950, -0.4850) (5.4550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (5.1950, 0.2250) (5.4550, 0.4850)

CUP.9 : 1LM, 2LM and 3LM process not allowed to have CUP for wire bond case
CUP.1a CUP is not allowed for Wedge-type Wire bond case

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3140:and

- -

Structure (lower left x, y) (upper right x, y)

- -

Bondpad_5LM$1 (43.6350, 2.2900) (44.7250, 61.6000)
Bondpad_5LM$1 (7.6600, 2.2900) (8.7500, 61.6000)
Bondpad_5LM$1 (3.6550, 2.2900) (4.7450, 61.6000)
Bondpad_5LM$1 (5.6600, 2.2900) (6.7500, 61.6000)
Bondpad_5LM$1 (9.6450, 2.2900) (10.7350, 61.6000)
Bondpad_5LM$1 (11.6300, 2.2900) (12.7200, 61.6000)
Bondpad_5LM$1 (13.6500, 2.2900) (14.7400, 61.6000)
Bondpad_5LM$1 (23.6400, 2.2900) (24.7300, 61.6000)
Bondpad_5LM$1 (21.6400, 2.2900) (22.7300, 61.6000)
Bondpad_5LM$1 (19.6150, 2.2900) (20.7050, 61.6000)
Bondpad_5LM$1 (17.6300, 2.2900) (18.7200, 61.6000)
Bondpad_5LM$1 (25.6650, 2.2900) (26.7550, 61.6000)
Bondpad_5LM$1 (15.6300, 2.2900) (16.7200, 61.6000)
Bondpad_5LM$1 (59.6550, 2.2900) (60.7450, 61.6000)
Bondpad_5LM$1 (57.6300, 2.2900) (58.7200, 61.6000)
Bondpad_5LM$1 (55.6300, 2.2900) (56.7200, 61.6000)
Bondpad_5LM$1 (53.6050, 2.2900) (54.6950, 61.6000)
Bondpad_5LM$1 (51.6200, 2.2900) (52.7100, 61.6000)
Bondpad_5LM$1 (49.6200, 2.2900) (50.7100, 61.6000)
Bondpad_5LM$1 (47.6400, 2.2900) (48.7300, 61.6000)
Bondpad_5LM$1 (27.6500, 2.2900) (28.7400, 61.6000)
Bondpad_5LM$1 (41.6500, 2.2900) (42.7400, 61.6000)
Bondpad_5LM$1 (39.6500, 2.2900) (40.7400, 61.6000)
Bondpad_5LM$1 (37.6450, 2.2900) (38.7350, 61.6000)
Bondpad_5LM$1 (35.6750, 2.2900) (36.7650, 61.6000)
Bondpad_5LM$1 (33.6600, 2.2900) (34.7500, 61.6000)
Bondpad_5LM$1 (31.6500, 2.2900) (32.7400, 61.6000)
Bondpad_5LM$1 (29.6350, 2.2900) (30.7250, 61.6000)
Bondpad_5LM$1 (45.6200, 2.2900) (46.7100, 61.6000)
Bondpad_5LM$1 (31.3400, 2.0000) (33.0400, 62.0000)
Bondpad_5LM$1 (33.3400, 2.0000) (35.0400, 62.0000)
Bondpad_5LM$1 (35.3400, 2.0000) (37.0400, 62.0000)
Bondpad_5LM$1 (37.3400, 2.0000) (39.0400, 62.0000)
Bondpad_5LM$1 (39.3400, 2.0000) (41.0400, 62.0000)
Bondpad_5LM$1 (41.3400, 2.0000) (43.0400, 62.0000)
Bondpad_5LM$1 (43.3400, 2.0000) (45.0400, 62.0000)
Bondpad_5LM$1 (45.3400, 2.0000) (47.0400, 62.0000)
Bondpad_5LM$1 (47.3400, 2.0000) (49.0400, 62.0000)
Bondpad_5LM$1 (49.3400, 2.0000) (51.0400, 62.0000)

Bondpad_5LM$1 (51.3400, 2.0000) (53.0400, 62.0000)
Bondpad_5LM$1 (53.3400, 2.0000) (55.0400, 62.0000)
Bondpad_5LM$1 (55.3400, 2.0000) (57.0400, 62.0000)
Bondpad_5LM$1 (57.3400, 2.0000) (59.0400, 62.0000)
Bondpad_5LM$1 (59.3400, 2.0000) (61.0400, 62.0000)
Bondpad_5LM$1 (3.3400, 2.0000) (5.0400, 62.0000)
Bondpad_5LM$1 (5.3400, 2.0000) (7.0400, 62.0000)
Bondpad_5LM$1 (7.3400, 2.0000) (9.0400, 62.0000)
Bondpad_5LM$1 (9.3400, 2.0000) (11.0400, 62.0000)
Bondpad_5LM$1 (11.3400, 2.0000) (13.0400, 62.0000)
Bondpad_5LM$1 (13.3400, 2.0000) (15.0400, 62.0000)
Bondpad_5LM$1 (15.3400, 2.0000) (17.0400, 62.0000)
Bondpad_5LM$1 (17.3400, 2.0000) (19.0400, 62.0000)
Bondpad_5LM$1 (19.3400, 2.0000) (21.0400, 62.0000)
Bondpad_5LM$1 (21.3400, 2.0000) (23.0400, 62.0000)
Bondpad_5LM$1 (23.3400, 2.0000) (25.0400, 62.0000)
Bondpad_5LM$1 (25.3400, 2.0000) (27.0400, 62.0000)
Bondpad_5LM$1 (27.3400, 2.0000) (29.0400, 62.0000)
Bondpad_5LM$1 (29.3400, 2.0000) (31.0400, 62.0000)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3141:and

WARNING: The error count of 213 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure (lower left x, y) (upper right x, y)
- -
Bondpad_5LM$1 (44.4050, 2.3500) (44.6650, 2.6100)
Bondpad_5LM$1 (8.4300, 2.3500) (8.6900, 2.6100)
Bondpad_5LM$1 (4.4250, 2.3500) (4.6850, 2.6100)
Bondpad_5LM$1 (6.4300, 2.3500) (6.6900, 2.6100)
Bondpad_5LM$1 (10.4150, 2.3500) (10.6750, 2.6100)
Bondpad_5LM$1 (12.4000, 2.3500) (12.6600, 2.6100)
Bondpad_5LM$1 (14.4200, 2.3500) (14.6800, 2.6100)
Bondpad_5LM$1 (24.4100, 2.3500) (24.6700, 2.6100)
Bondpad_5LM$1 (22.4100, 2.3500) (22.6700, 2.6100)
Bondpad_5LM$1 (20.3850, 2.3500) (20.6450, 2.6100)
Bondpad_5LM$1 (18.4000, 2.3500) (18.6600, 2.6100)
Bondpad_5LM$1 (26.4350, 2.3500) (26.6950, 2.6100)
Bondpad_5LM$1 (16.4000, 2.3500) (16.6600, 2.6100)
Bondpad_5LM$1 (60.4250, 2.3500) (60.6850, 2.6100)

Bondpad_5LM$1 (58.4000, 2.3500) (58.6600, 2.6100)
Bondpad_5LM$1 (56.4000, 2.3500) (56.6600, 2.6100)
Bondpad_5LM$1 (54.3750, 2.3500) (54.6350, 2.6100)
Bondpad_5LM$1 (52.3900, 2.3500) (52.6500, 2.6100)
Bondpad_5LM$1 (50.3900, 2.3500) (50.6500, 2.6100)
Bondpad_5LM$1 (48.4100, 2.3500) (48.6700, 2.6100)
Bondpad_5LM$1 (28.4200, 2.3500) (28.6800, 2.6100)
Bondpad_5LM$1 (42.4200, 2.3500) (42.6800, 2.6100)
Bondpad_5LM$1 (40.4200, 2.3500) (40.6800, 2.6100)
Bondpad_5LM$1 (38.4150, 2.3500) (38.6750, 2.6100)
Bondpad_5LM$1 (36.4450, 2.3500) (36.7050, 2.6100)
Bondpad_5LM$1 (34.4300, 2.3500) (34.6900, 2.6100)
Bondpad_5LM$1 (32.4200, 2.3500) (32.6800, 2.6100)
Bondpad_5LM$1 (30.4050, 2.3500) (30.6650, 2.6100)
Bondpad_5LM$1 (46.3900, 2.3500) (46.6500, 2.6100)
Bondpad_5LM$1 (43.6950, 2.3500) (43.9550, 2.6100)
Bondpad_5LM$1 (7.7200, 2.3500) (7.9800, 2.6100)
Bondpad_5LM$1 (3.7150, 2.3500) (3.9750, 2.6100)
Bondpad_5LM$1 (5.7200, 2.3500) (5.9800, 2.6100)
Bondpad_5LM$1 (9.7050, 2.3500) (9.9650, 2.6100)
Bondpad_5LM$1 (11.6900, 2.3500) (11.9500, 2.6100)
Bondpad_5LM$1 (13.7100, 2.3500) (13.9700, 2.6100)
Bondpad_5LM$1 (23.7000, 2.3500) (23.9600, 2.6100)
Bondpad_5LM$1 (21.7000, 2.3500) (21.9600, 2.6100)
Bondpad_5LM$1 (19.6750, 2.3500) (19.9350, 2.6100)
Bondpad_5LM$1 (17.6900, 2.3500) (17.9500, 2.6100)
Bondpad_5LM$1 (25.7250, 2.3500) (25.9850, 2.6100)
Bondpad_5LM$1 (15.6900, 2.3500) (15.9500, 2.6100)
Bondpad_5LM$1 (59.7150, 2.3500) (59.9750, 2.6100)
Bondpad_5LM$1 (57.6900, 2.3500) (57.9500, 2.6100)
Bondpad_5LM$1 (55.6900, 2.3500) (55.9500, 2.6100)
Bondpad_5LM$1 (53.6650, 2.3500) (53.9250, 2.6100)
Bondpad_5LM$1 (51.6800, 2.3500) (51.9400, 2.6100)
Bondpad_5LM$1 (49.6800, 2.3500) (49.9400, 2.6100)
Bondpad_5LM$1 (47.7000, 2.3500) (47.9600, 2.6100)
Bondpad_5LM$1 (27.7100, 2.3500) (27.9700, 2.6100)
Bondpad_5LM$1 (41.7100, 2.3500) (41.9700, 2.6100)
Bondpad_5LM$1 (39.7100, 2.3500) (39.9700, 2.6100)
Bondpad_5LM$1 (37.7050, 2.3500) (37.9650, 2.6100)
Bondpad_5LM$1 (35.7350, 2.3500) (35.9950, 2.6100)
Bondpad_5LM$1 (33.7200, 2.3500) (33.9800, 2.6100)
Bondpad_5LM$1 (31.7100, 2.3500) (31.9700, 2.6100)
Bondpad_5LM$1 (29.6950, 2.3500) (29.9550, 2.6100)
Bondpad_5LM$1 (45.6800, 2.3500) (45.9400, 2.6100)

Bondpad_5LM$1 (44.4050, 3.0600) (44.6650, 3.3200)
Bondpad_5LM$1 (8.4300, 3.0600) (8.6900, 3.3200)
Bondpad_5LM$1 (4.4250, 3.0600) (4.6850, 3.3200)
Bondpad_5LM$1 (6.4300, 3.0600) (6.6900, 3.3200)
Bondpad_5LM$1 (10.4150, 3.0600) (10.6750, 3.3200)
Bondpad_5LM$1 (12.4000, 3.0600) (12.6600, 3.3200)
Bondpad_5LM$1 (14.4200, 3.0600) (14.6800, 3.3200)
Bondpad_5LM$1 (24.4100, 3.0600) (24.6700, 3.3200)
Bondpad_5LM$1 (22.4100, 3.0600) (22.6700, 3.3200)
Bondpad_5LM$1 (20.3850, 3.0600) (20.6450, 3.3200)
Bondpad_5LM$1 (18.4000, 3.0600) (18.6600, 3.3200)
Bondpad_5LM$1 (26.4350, 3.0600) (26.6950, 3.3200)
Bondpad_5LM$1 (16.4000, 3.0600) (16.6600, 3.3200)
Bondpad_5LM$1 (60.4250, 3.0600) (60.6850, 3.3200)
Bondpad_5LM$1 (58.4000, 3.0600) (58.6600, 3.3200)
Bondpad_5LM$1 (56.4000, 3.0600) (56.6600, 3.3200)
Bondpad_5LM$1 (54.3750, 3.0600) (54.6350, 3.3200)
Bondpad_5LM$1 (52.3900, 3.0600) (52.6500, 3.3200)
Bondpad_5LM$1 (50.3900, 3.0600) (50.6500, 3.3200)
Bondpad_5LM$1 (48.4100, 3.0600) (48.6700, 3.3200)
Bondpad_5LM$1 (28.4200, 3.0600) (28.6800, 3.3200)
Bondpad_5LM$1 (42.4200, 3.0600) (42.6800, 3.3200)
Bondpad_5LM$1 (40.4200, 3.0600) (40.6800, 3.3200)
Bondpad_5LM$1 (38.4150, 3.0600) (38.6750, 3.3200)
Bondpad_5LM$1 (36.4450, 3.0600) (36.7050, 3.3200)
Bondpad_5LM$1 (34.4300, 3.0600) (34.6900, 3.3200)
Bondpad_5LM$1 (32.4200, 3.0600) (32.6800, 3.3200)
Bondpad_5LM$1 (30.4050, 3.0600) (30.6650, 3.3200)
Bondpad_5LM$1 (46.3900, 3.0600) (46.6500, 3.3200)
Bondpad_5LM$1 (43.6950, 3.0600) (43.9550, 3.3200)
Bondpad_5LM$1 (7.7200, 3.0600) (7.9800, 3.3200)
Bondpad_5LM$1 (3.7150, 3.0600) (3.9750, 3.3200)
Bondpad_5LM$1 (5.7200, 3.0600) (5.9800, 3.3200)
Bondpad_5LM$1 (9.7050, 3.0600) (9.9650, 3.3200)
Bondpad_5LM$1 (11.6900, 3.0600) (11.9500, 3.3200)
Bondpad_5LM$1 (13.7100, 3.0600) (13.9700, 3.3200)
Bondpad_5LM$1 (23.7000, 3.0600) (23.9600, 3.3200)
Bondpad_5LM$1 (21.7000, 3.0600) (21.9600, 3.3200)
Bondpad_5LM$1 (19.6750, 3.0600) (19.9350, 3.3200)
Bondpad_5LM$1 (17.6900, 3.0600) (17.9500, 3.3200)
Bondpad_5LM$1 (25.7250, 3.0600) (25.9850, 3.3200)
Bondpad_5LM$1 (15.6900, 3.0600) (15.9500, 3.3200)

CUP.9_Wedge_4LM : 9.3 Wedge type wire-bond not allowed to have CUP

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3146:and
- -
Structure (lower left x, y) (upper right x, y)
- -
Bondpad_5LM$1 (43.6350, 2.2900) (44.7250, 61.6000)
Bondpad_5LM$1 (7.6600, 2.2900) (8.7500, 61.6000)
Bondpad_5LM$1 (3.6550, 2.2900) (4.7450, 61.6000)
Bondpad_5LM$1 (5.6600, 2.2900) (6.7500, 61.6000)
Bondpad_5LM$1 (9.6450, 2.2900) (10.7350, 61.6000)
Bondpad_5LM$1 (11.6300, 2.2900) (12.7200, 61.6000)
Bondpad_5LM$1 (13.6500, 2.2900) (14.7400, 61.6000)
Bondpad_5LM$1 (23.6400, 2.2900) (24.7300, 61.6000)
Bondpad_5LM$1 (21.6400, 2.2900) (22.7300, 61.6000)
Bondpad_5LM$1 (19.6150, 2.2900) (20.7050, 61.6000)
Bondpad_5LM$1 (17.6300, 2.2900) (18.7200, 61.6000)
Bondpad_5LM$1 (25.6650, 2.2900) (26.7550, 61.6000)
Bondpad_5LM$1 (15.6300, 2.2900) (16.7200, 61.6000)
Bondpad_5LM$1 (59.6550, 2.2900) (60.7450, 61.6000)
Bondpad_5LM$1 (57.6300, 2.2900) (58.7200, 61.6000)
Bondpad_5LM$1 (55.6300, 2.2900) (56.7200, 61.6000)
Bondpad_5LM$1 (53.6050, 2.2900) (54.6950, 61.6000)
Bondpad_5LM$1 (51.6200, 2.2900) (52.7100, 61.6000)
Bondpad_5LM$1 (49.6200, 2.2900) (50.7100, 61.6000)
Bondpad_5LM$1 (47.6400, 2.2900) (48.7300, 61.6000)
Bondpad_5LM$1 (27.6500, 2.2900) (28.7400, 61.6000)
Bondpad_5LM$1 (41.6500, 2.2900) (42.7400, 61.6000)
Bondpad_5LM$1 (39.6500, 2.2900) (40.7400, 61.6000)
Bondpad_5LM$1 (37.6450, 2.2900) (38.7350, 61.6000)
Bondpad_5LM$1 (35.6750, 2.2900) (36.7650, 61.6000)
Bondpad_5LM$1 (33.6600, 2.2900) (34.7500, 61.6000)
Bondpad_5LM$1 (31.6500, 2.2900) (32.7400, 61.6000)
Bondpad_5LM$1 (29.6350, 2.2900) (30.7250, 61.6000)
Bondpad_5LM$1 (45.6200, 2.2900) (46.7100, 61.6000)
Bondpad_5LM$1 (2.0000, 2.0000) (62.0000, 62.0000)
M4_M3_CDNS_4066195314551$1 (-29.6550, -0.5450) (29.6550, 0.5450)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3147:and

WARNING: The error count of 101 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure (lower left x, y) (upper right x, y)

- -

M4_M3_CDNS_406619531455 1$1 (-29.5950, -0.4850) (-29.3350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-29.5950, 0.2250) (-29.3350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-28.8850, -0.4850) (-28.6250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-28.8850, 0.2250) (-28.6250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-28.1750, -0.4850) (-27.9150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-28.1750, 0.2250) (-27.9150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-27.4650, -0.4850) (-27.2050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-27.4650, 0.2250) (-27.2050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-26.7550, -0.4850) (-26.4950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-26.7550, 0.2250) (-26.4950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-26.0450, -0.4850) (-25.7850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-26.0450, 0.2250) (-25.7850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-25.3350, -0.4850) (-25.0750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-25.3350, 0.2250) (-25.0750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-24.6250, -0.4850) (-24.3650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-24.6250, 0.2250) (-24.3650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-23.9150, -0.4850) (-23.6550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-23.9150, 0.2250) (-23.6550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-23.2050, -0.4850) (-22.9450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-23.2050, 0.2250) (-22.9450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-22.4950, -0.4850) (-22.2350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-22.4950, 0.2250) (-22.2350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-21.7850, -0.4850) (-21.5250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-21.7850, 0.2250) (-21.5250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-21.0750, -0.4850) (-20.8150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-21.0750, 0.2250) (-20.8150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-20.3650, -0.4850) (-20.1050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-20.3650, 0.2250) (-20.1050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-19.6550, -0.4850) (-19.3950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-19.6550, 0.2250) (-19.3950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-18.9450, -0.4850) (-18.6850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-18.9450, 0.2250) (-18.6850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-18.2350, -0.4850) (-17.9750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-18.2350, 0.2250) (-17.9750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-17.5250, -0.4850) (-17.2650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-17.5250, 0.2250) (-17.2650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-16.8150, -0.4850) (-16.5550, -0.2250)

M4_M3_CDNS_406619531455 1$1 (-16.8150, 0.2250) (-16.5550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-16.1050, -0.4850) (-15.8450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-16.1050, 0.2250) (-15.8450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-15.3950, -0.4850) (-15.1350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-15.3950, 0.2250) (-15.1350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-14.6850, -0.4850) (-14.4250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-14.6850, 0.2250) (-14.4250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-13.9750, -0.4850) (-13.7150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-13.9750, 0.2250) (-13.7150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-13.2650, -0.4850) (-13.0050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-13.2650, 0.2250) (-13.0050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-12.5550, -0.4850) (-12.2950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-12.5550, 0.2250) (-12.2950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-11.8450, -0.4850) (-11.5850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-11.8450, 0.2250) (-11.5850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-11.1350, -0.4850) (-10.8750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-11.1350, 0.2250) (-10.8750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-10.4250, -0.4850) (-10.1650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-10.4250, 0.2250) (-10.1650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-9.7150, -0.4850) (-9.4550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-9.7150, 0.2250) (-9.4550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-9.0050, -0.4850) (-8.7450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-9.0050, 0.2250) (-8.7450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-8.2950, -0.4850) (-8.0350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-8.2950, 0.2250) (-8.0350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-7.5850, -0.4850) (-7.3250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-7.5850, 0.2250) (-7.3250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-6.8750, -0.4850) (-6.6150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-6.8750, 0.2250) (-6.6150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-6.1650, -0.4850) (-5.9050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-6.1650, 0.2250) (-5.9050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-5.4550, -0.4850) (-5.1950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-5.4550, 0.2250) (-5.1950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-4.7450, -0.4850) (-4.4850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-4.7450, 0.2250) (-4.4850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-4.0350, -0.4850) (-3.7750, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-4.0350, 0.2250) (-3.7750, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-3.3250, -0.4850) (-3.0650, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-3.3250, 0.2250) (-3.0650, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-2.6150, -0.4850) (-2.3550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-2.6150, 0.2250) (-2.3550, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-1.9050, -0.4850) (-1.6450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-1.9050, 0.2250) (-1.6450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-1.1950, -0.4850) (-0.9350, -0.2250)

M4_M3_CDNS_406619531455 1$1 (-1.1950, 0.2250) (-0.9350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (-0.4850, -0.4850) (-0.2250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (-0.4850, 0.2250) (-0.2250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (0.2250, -0.4850) (0.4850, -0.2250)
M4_M3_CDNS_406619531455 1$1 (0.2250, 0.2250) (0.4850, 0.4850)
M4_M3_CDNS_406619531455 1$1 (0.9350, -0.4850) (1.1950, -0.2250)
M4_M3_CDNS_406619531455 1$1 (0.9350, 0.2250) (1.1950, 0.4850)
M4_M3_CDNS_406619531455 1$1 (1.6450, -0.4850) (1.9050, -0.2250)
M4_M3_CDNS_406619531455 1$1 (1.6450, 0.2250) (1.9050, 0.4850)
M4_M3_CDNS_406619531455 1$1 (2.3550, -0.4850) (2.6150, -0.2250)
M4_M3_CDNS_406619531455 1$1 (2.3550, 0.2250) (2.6150, 0.4850)
M4_M3_CDNS_406619531455 1$1 (3.0650, -0.4850) (3.3250, -0.2250)
M4_M3_CDNS_406619531455 1$1 (3.0650, 0.2250) (3.3250, 0.4850)
M4_M3_CDNS_406619531455 1$1 (3.7750, -0.4850) (4.0350, -0.2250)
M4_M3_CDNS_406619531455 1$1 (3.7750, 0.2250) (4.0350, 0.4850)
M4_M3_CDNS_406619531455 1$1 (4.4850, -0.4850) (4.7450, -0.2250)
M4_M3_CDNS_406619531455 1$1 (4.4850, 0.2250) (4.7450, 0.4850)
M4_M3_CDNS_406619531455 1$1 (5.1950, -0.4850) (5.4550, -0.2250)
M4_M3_CDNS_406619531455 1$1 (5.1950, 0.2250) (5.4550, 0.4850)

CUP.9_Wedge_5LM : 9.3 Wedge type wire-bond not allowed to have CUP

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3152:and
- -
Structure (lower left x, y) (upper right x, y)
- -
Bondpad_5LM$1 (2.0000, 2.0000) (62.0000, 62.0000)
M5_M4_CDNS_406619531455 6$1 (-29.6550, -0.5450) (29.6550, 0.5450)
M4_M3_CDNS_406619531455 1$1 (-29.6550, -0.5450) (29.6550, 0.5450)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3153:and

WARNING: The error count of 101 for this check exceeds the limit set in
    the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure (lower left x, y) (upper right x, y)
- -

M5_M4_CDNS_406619531455 6$1 (-29.5950, -0.4850) (-29.3350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-29.5950, 0.2250) (-29.3350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-28.8850, -0.4850) (-28.6250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-28.8850, 0.2250) (-28.6250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-28.1750, -0.4850) (-27.9150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-28.1750, 0.2250) (-27.9150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-27.4650, -0.4850) (-27.2050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-27.4650, 0.2250) (-27.2050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-26.7550, -0.4850) (-26.4950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-26.7550, 0.2250) (-26.4950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-26.0450, -0.4850) (-25.7850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-26.0450, 0.2250) (-25.7850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-25.3350, -0.4850) (-25.0750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-25.3350, 0.2250) (-25.0750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-24.6250, -0.4850) (-24.3650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-24.6250, 0.2250) (-24.3650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-23.9150, -0.4850) (-23.6550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-23.9150, 0.2250) (-23.6550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-23.2050, -0.4850) (-22.9450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-23.2050, 0.2250) (-22.9450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-22.4950, -0.4850) (-22.2350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-22.4950, 0.2250) (-22.2350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-21.7850, -0.4850) (-21.5250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-21.7850, 0.2250) (-21.5250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-21.0750, -0.4850) (-20.8150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-21.0750, 0.2250) (-20.8150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-20.3650, -0.4850) (-20.1050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-20.3650, 0.2250) (-20.1050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-19.6550, -0.4850) (-19.3950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-19.6550, 0.2250) (-19.3950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-18.9450, -0.4850) (-18.6850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-18.9450, 0.2250) (-18.6850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-18.2350, -0.4850) (-17.9750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-18.2350, 0.2250) (-17.9750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-17.5250, -0.4850) (-17.2650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-17.5250, 0.2250) (-17.2650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-16.8150, -0.4850) (-16.5550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-16.8150, 0.2250) (-16.5550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-16.1050, -0.4850) (-15.8450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-16.1050, 0.2250) (-15.8450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-15.3950, -0.4850) (-15.1350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-15.3950, 0.2250) (-15.1350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-14.6850, -0.4850) (-14.4250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-14.6850, 0.2250) (-14.4250, 0.4850)

M5_M4_CDNS_406619531455 6$1 (-13.9750, -0.4850) (-13.7150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-13.9750, 0.2250) (-13.7150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-13.2650, -0.4850) (-13.0050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-13.2650, 0.2250) (-13.0050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-12.5550, -0.4850) (-12.2950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-12.5550, 0.2250) (-12.2950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-11.8450, -0.4850) (-11.5850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-11.8450, 0.2250) (-11.5850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-11.1350, -0.4850) (-10.8750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-11.1350, 0.2250) (-10.8750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-10.4250, -0.4850) (-10.1650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-10.4250, 0.2250) (-10.1650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-9.7150, -0.4850) (-9.4550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-9.7150, 0.2250) (-9.4550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-9.0050, -0.4850) (-8.7450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-9.0050, 0.2250) (-8.7450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-8.2950, -0.4850) (-8.0350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-8.2950, 0.2250) (-8.0350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-7.5850, -0.4850) (-7.3250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-7.5850, 0.2250) (-7.3250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-6.8750, -0.4850) (-6.6150, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-6.8750, 0.2250) (-6.6150, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-6.1650, -0.4850) (-5.9050, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-6.1650, 0.2250) (-5.9050, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-5.4550, -0.4850) (-5.1950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-5.4550, 0.2250) (-5.1950, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-4.7450, -0.4850) (-4.4850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-4.7450, 0.2250) (-4.4850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-4.0350, -0.4850) (-3.7750, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-4.0350, 0.2250) (-3.7750, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-3.3250, -0.4850) (-3.0650, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-3.3250, 0.2250) (-3.0650, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-2.6150, -0.4850) (-2.3550, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-2.6150, 0.2250) (-2.3550, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-1.9050, -0.4850) (-1.6450, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-1.9050, 0.2250) (-1.6450, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-1.1950, -0.4850) (-0.9350, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-1.1950, 0.2250) (-0.9350, 0.4850)
M5_M4_CDNS_406619531455 6$1 (-0.4850, -0.4850) (-0.2250, -0.2250)
M5_M4_CDNS_406619531455 6$1 (-0.4850, 0.2250) (-0.2250, 0.4850)
M5_M4_CDNS_406619531455 6$1 (0.2250, -0.4850) (0.4850, -0.2250)
M5_M4_CDNS_406619531455 6$1 (0.2250, 0.2250) (0.4850, 0.4850)
M5_M4_CDNS_406619531455 6$1 (0.9350, -0.4850) (1.1950, -0.2250)
M5_M4_CDNS_406619531455 6$1 (0.9350, 0.2250) (1.1950, 0.4850)

M5_M4_CDNS_40661953145561 (1.6450, -0.4850) (1.9050, -0.2250)
M5_M4_CDNS_40661953145561 (1.6450, 0.2250) (1.9050, 0.4850)
M5_M4_CDNS_40661953145561 (2.3550, -0.4850) (2.6150, -0.2250)
M5_M4_CDNS_40661953145561 (2.3550, 0.2250) (2.6150, 0.4850)
M5_M4_CDNS_40661953145561 (3.0650, -0.4850) (3.3250, -0.2250)
M5_M4_CDNS_40661953145561 (3.0650, 0.2250) (3.3250, 0.4850)
M5_M4_CDNS_40661953145561 (3.7750, -0.4850) (4.0350, -0.2250)
M5_M4_CDNS_40661953145561 (3.7750, 0.2250) (4.0350, 0.4850)
M5_M4_CDNS_40661953145561 (4.4850, -0.4850) (4.7450, -0.2250)
M5_M4_CDNS_40661953145561 (4.4850, 0.2250) (4.7450, 0.4850)
M5_M4_CDNS_40661953145561 (5.1950, -0.4850) (5.4550, -0.2250)
M5_M4_CDNS_40661953145561 (5.1950, 0.2250) (5.4550, 0.4850)

DCF.1a : All area between active polygons (COMP) (with spacing greater
than equal to this rule) >= 20.0
must be filled with 'Dummy COMP' except area marked by NDMY, RES_MK,
Pad and IND_MK
as well as the region define by DCF.6a, 6b, 6c, 6d, 6e, 6f, 6g.

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:3218:or

WARNING: The error count of 102 for this check exceeds the limit set in
        the runset. Details only available for the first 100.
- -
Structure   (lower left x, y)   (upper right x, y)
- -
trackA   (447.5000, 2869.5150) (487.5000, 2925.0000)
trackA   (547.5000, 2869.5150) (587.5000, 2925.0000)
trackA   (647.5000, 2869.5150) (687.5000, 2925.0000)
trackA   (747.5000, 2869.5150) (787.5000, 2925.0000)
trackA   (847.5000, 2869.5150) (887.5000, 2925.0000)
trackA   (947.5000, 2869.5150) (987.5000, 2925.0000)
trackA   (1047.5000, 2869.5150) (1087.5000, 2925.0000)
trackA   (1147.5000, 2869.5150) (1187.5000, 2925.0000)
trackA   (1247.5000, 2869.5150) (1287.5000, 2925.0000)
trackA   (1347.5000, 2869.5150) (1387.5000, 2925.0000)
trackA   (1447.5000, 2869.5150) (1487.5000, 2925.0000)
trackA   (1547.5000, 2869.5150) (1587.5000, 2925.0000)
trackA   (1647.5000, 2869.5150) (1687.5000, 2925.0000)
trackA   (1747.5000, 2869.5150) (1787.5000, 2925.0000)

trackA (1847.5000, 2869.5150) (1887.5000, 2925.0000)
trackA (1947.5000, 2869.5150) (1987.5000, 2925.0000)
trackA (2047.5000, 2869.5150) (2087.5000, 2925.0000)
trackA (2147.5000, 2869.5150) (2187.5000, 2925.0000)
trackA (2247.5000, 2869.5150) (2287.5000, 2925.0000)
trackA (2347.5000, 2869.5150) (2387.5000, 2925.0000)
trackA (2447.5000, 2869.5150) (2487.5000, 2925.0000)
trackA (10.0000, 2447.5000) (65.4850, 2487.5000)
trackA (2869.5150, 2447.5000) (2925.0000, 2487.5000)
trackA (10.0000, 2247.5000) (65.4850, 2287.5000)
trackA (10.0000, 2347.5000) (65.4850, 2387.5000)
trackA (1338.2950, 2288.1050) (1392.9150, 2348.2350)
trackA (2869.5150, 2247.5000) (2925.0000, 2287.5000)
trackA (2869.5150, 2347.5000) (2925.0000, 2387.5000)
trackA (10.0000, 2047.5000) (65.4850, 2087.5000)
trackA (10.0000, 2147.5000) (65.4850, 2187.5000)
trackA (2869.5150, 2047.5000) (2925.0000, 2087.5000)
trackA (2869.5150, 2147.5000) (2925.0000, 2187.5000)
trackA (10.0000, 1747.5000) (65.4850, 1787.5000)
trackA (10.0000, 1847.5000) (65.4850, 1887.5000)
trackA (2869.5150, 1747.5000) (2925.0000, 1787.5000)
trackA (2869.5150, 1847.5000) (2925.0000, 1887.5000)
trackA (10.0000, 1547.5000) (65.4850, 1587.5000)
trackA (10.0000, 1647.5000) (65.4850, 1687.5000)
trackA (2869.5150, 1547.5000) (2925.0000, 1587.5000)
trackA (2869.5150, 1647.5000) (2925.0000, 1687.5000)
trackA (10.0000, 1247.5000) (65.4850, 1287.5000)
trackA (10.0000, 1347.5000) (65.4850, 1387.5000)
trackA (2869.5150, 1247.5000) (2925.0000, 1287.5000)
trackA (2869.5150, 1347.5000) (2925.0000, 1387.5000)
trackA (10.0000, 1047.5000) (65.4850, 1087.5000)
trackA (10.0000, 1147.5000) (65.4850, 1187.5000)
trackA (496.4250, 1065.5850) (560.8450, 1090.5150)
trackA (567.9550, 1065.5850) (632.3750, 1090.5150)
trackA (639.4850, 1065.5850) (703.9050, 1090.5150)
trackA (711.0150, 1064.5850) (775.4350, 1089.5150)
trackA (2869.5150, 1047.5000) (2925.0000, 1087.5000)
trackA (2869.5150, 1147.5000) (2925.0000, 1187.5000)
trackA (10.0000, 747.5000) (65.4850, 787.5000)
trackA (10.0000, 847.5000) (65.4850, 887.5000)
trackA (2869.5150, 747.5000) (2925.0000, 787.5000)
trackA (2869.5150, 847.5000) (2925.0000, 887.5000)
trackA (10.0000, 547.5000) (65.4850, 587.5000)
trackA (10.0000, 647.5000) (65.4850, 687.5000)

trackA (2869.5150, 547.5000) (2925.0000, 587.5000)
trackA (2869.5150, 647.5000) (2925.0000, 687.5000)
trackA (10.0000, 447.5000) (65.4850, 487.5000)
trackA (2045.5150, 349.8400) (2090.7550, 373.4300)
trackA (2869.5150, 447.5000) (2925.0000, 487.5000)
trackA (447.5000, 10.0000) (487.5000, 65.4850)
trackA (547.5000, 10.0000) (587.5000, 65.4850)
trackA (647.5000, 10.0000) (687.5000, 65.4850)
trackA (747.5000, 10.0000) (787.5000, 65.4850)
trackA (847.5000, 10.0000) (887.5000, 65.4850)
trackA (947.5000, 10.0000) (987.5000, 65.4850)
trackA (1047.5000, 10.0000) (1087.5000, 65.4850)
trackA (1147.5000, 10.0000) (1187.5000, 65.4850)
trackA (1247.5000, 10.0000) (1287.5000, 65.4850)
trackA (1347.5000, 10.0000) (1387.5000, 65.4850)
trackA (1447.5000, 10.0000) (1487.5000, 65.4850)
trackA (1547.5000, 10.0000) (1587.5000, 65.4850)
trackA (1647.5000, 10.0000) (1687.5000, 65.4850)
trackA (1747.5000, 10.0000) (1787.5000, 65.4850)
trackA (1847.5000, 10.0000) (1887.5000, 65.4850)
trackA (1947.5000, 10.0000) (1987.5000, 65.4850)
trackA (2047.5000, 10.0000) (2087.5000, 65.4850)
trackA (2147.5000, 10.0000) (2187.5000, 65.4850)
trackA (2247.5000, 10.0000) (2287.5000, 65.4850)
trackA (2347.5000, 10.0000) (2387.5000, 65.4850)
trackA (2447.5000, 10.0000) (2487.5000, 65.4850)
trackA (10.0000, 2547.5000) (387.5000, 2925.0000)
trackA (2547.5000, 2547.5000) (2925.0000, 2925.0000)
trackA (349.8400, 349.8400) (2585.1600, 2585.1600)
trackA (10.0000, 1947.5000) (65.4850, 1987.5000)
trackA (2869.5150, 1947.5000) (2925.0000, 1987.5000)
trackA (10.0000, 1447.5000) (65.4850, 1487.5000)
trackA (2869.5150, 1447.5000) (2925.0000, 1487.5000)
trackA (10.0000, 947.5000) (65.4850, 987.5000)
trackA (2869.5150, 947.5000) (2925.0000, 987.5000)
op_buffer (-42.5450, -63.9200) (-7.7200, -41.3250)
op_buffer (-22.7450, -63.9200) (14.5750, 6.1600)
io_secondary_5p0 (14.4600, -14.1500) (32.6500, -8.5500)
io_secondary_5p0 (-37.3500, -14.1500) (21.3500, 51.2000)
io_secondary_5p0 (14.3200, 36.2100) (32.6500, 51.2000)
cap_mim (9.4000, 9.4000) (15.6000, 15.6000)
gf180mcu_fd_io__cor$2 (75.3250, 75.3250) (214.3750, 214.3750)

DCF.1b_DCF.1d : Minimum global density for active layers (COMP+ Dummy COMP) = 25.0%
Maximum global density for active layers (COMP+ Dummy COMP) = 70.0%

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3236:density
- -
Structure Window (x1,y1) (x2,y2)
Report = Value
- -
trackA (0.0000, 0.0000) (2935.0000, 2935.0000)
Min ratio = 0.1966
Max ratio = 0.1966
Avg ratio = 0.1966
Min areaL1 = 1693142.3202
Max areaL1 = 1693142.3202
Avg areaL1 = 1693142.3202
Min areaW = 8614225.0000
Max areaW = 8614225.0000
Avg areaW = 8614225.0000

DF.11 : Min. Length of butting COMP edge : 0.30

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2209:length_edge

WARNING: The error count of 102 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1349.0800, 2368.3950) (1349.2500, 2368.3950) 0.1700
trackA (1349.2500, 2368.3950) (1349.2500, 2368.5650) 0.1700
trackA (1349.0800, 2374.2450) (1349.2500, 2374.2450) 0.1700
trackA (1349.2500, 2374.2450) (1349.2500, 2374.4150) 0.1700
trackA (1349.6300, 2368.3950) (1349.6300, 2368.5650) 0.1700
trackA (1349.6300, 2368.3950) (1349.8000, 2368.3950) 0.1700

trackA (1349.6300, 2374.2450) (1349.6300, 2374.4150) 0.1700
trackA (1349.6300, 2374.2450) (1349.8000, 2374.2450) 0.1700
trackA (1356.4800, 2365.6250) (1356.6500, 2365.6250) 0.1700
trackA (1356.6500, 2365.4550) (1356.6500, 2365.6250) 0.1700
trackA (1356.4800, 2371.4750) (1356.6500, 2371.4750) 0.1700
trackA (1356.6500, 2371.3050) (1356.6500, 2371.4750) 0.1700
trackA (1356.4800, 2377.3250) (1356.6500, 2377.3250) 0.1700
trackA (1356.6500, 2377.1550) (1356.6500, 2377.3250) 0.1700
trackA (1357.0300, 2365.4550) (1357.0300, 2365.6250) 0.1700
trackA (1357.0300, 2365.6250) (1357.2000, 2365.6250) 0.1700
trackA (1357.0300, 2371.3050) (1357.0300, 2371.4750) 0.1700
trackA (1357.0300, 2371.4750) (1357.2000, 2371.4750) 0.1700
trackA (1357.0300, 2377.1550) (1357.0300, 2377.3250) 0.1700
trackA (1357.0300, 2377.3250) (1357.2000, 2377.3250) 0.1700
trackA (1358.0600, 2368.3950) (1358.3100, 2368.3950) 0.2500
trackA (1358.3100, 2368.3950) (1358.3100, 2368.5650) 0.1700
trackA (1358.7300, 2368.3950) (1358.7300, 2368.5650) 0.1700
trackA (1358.7300, 2368.3950) (1358.9800, 2368.3950) 0.2500
trackA (1367.3700, 2368.3950) (1367.6200, 2368.3950) 0.2500
trackA (1367.6200, 2368.3950) (1367.6200, 2368.5650) 0.1700
trackA (1368.0400, 2368.3950) (1368.0400, 2368.5650) 0.1700
trackA (1368.0400, 2368.3950) (1368.2900, 2368.3950) 0.2500
trackA (1376.6800, 2368.3950) (1376.9300, 2368.3950) 0.2500
trackA (1376.9300, 2368.3950) (1376.9300, 2368.5650) 0.1700
trackA (1377.3500, 2368.3950) (1377.3500, 2368.5650) 0.1700
trackA (1377.3500, 2368.3950) (1377.6000, 2368.3950) 0.2500
trackA (1385.9900, 2368.3950) (1386.2400, 2368.3950) 0.2500
trackA (1386.2400, 2368.3950) (1386.2400, 2368.5650) 0.1700
trackA (1386.6600, 2368.3950) (1386.6600, 2368.5650) 0.1700
trackA (1386.6600, 2368.3950) (1386.9100, 2368.3950) 0.2500
trackA (1454.5800, 2366.5650) (1454.7500, 2366.5650) 0.1700
trackA (1454.7500, 2366.5650) (1454.7500, 2366.7350) 0.1700
trackA (1454.5800, 2374.1750) (1454.7500, 2374.1750) 0.1700
trackA (1454.7500, 2374.1750) (1454.7500, 2374.3450) 0.1700
trackA (1455.1300, 2366.5650) (1455.1300, 2366.7350) 0.1700
trackA (1455.1300, 2366.5650) (1455.3000, 2366.5650) 0.1700
trackA (1455.1300, 2374.1750) (1455.1300, 2374.3450) 0.1700
trackA (1455.1300, 2374.1750) (1455.3000, 2374.1750) 0.1700
trackA (1462.6750, 2363.7950) (1462.8450, 2363.7950) 0.1700
trackA (1462.8450, 2363.6250) (1462.8450, 2363.7950) 0.1700
trackA (1462.6750, 2371.4050) (1462.8450, 2371.4050) 0.1700
trackA (1462.8450, 2371.2350) (1462.8450, 2371.4050) 0.1700
trackA (1463.2250, 2363.6250) (1463.2250, 2363.7950) 0.1700
trackA (1463.2250, 2363.7950) (1463.3950, 2363.7950) 0.1700

trackA (1463.2250, 2371.2350) (1463.2250, 2371.4050) 0.1700
trackA (1463.2250, 2371.4050) (1463.3950, 2371.4050) 0.1700
trackA (1496.3800, 2363.7950) (1496.5400, 2363.7950) 0.1600
trackA (1496.5400, 2363.6250) (1496.5400, 2363.7950) 0.1700
trackA (1496.3800, 2371.4050) (1496.5400, 2371.4050) 0.1600
trackA (1496.5400, 2371.2350) (1496.5400, 2371.4050) 0.1700
trackA (1496.9000, 2363.6250) (1496.9000, 2363.7950) 0.1700
trackA (1496.9000, 2363.7950) (1497.0600, 2363.7950) 0.1600
trackA (1496.9000, 2371.2350) (1496.9000, 2371.4050) 0.1700
trackA (1496.9000, 2371.4050) (1497.0600, 2371.4050) 0.1600
trackA (1497.0600, 2364.5250) (1497.2100, 2364.5250) 0.1500
trackA (1497.0600, 2372.1350) (1497.2100, 2372.1350) 0.1500
trackA (1349.0800, 2380.0950) (1349.2500, 2380.0950) 0.1700
trackA (1349.2500, 2380.0950) (1349.2500, 2380.2650) 0.1700
trackA (1349.0800, 2385.9450) (1349.2500, 2385.9450) 0.1700
trackA (1349.2500, 2385.9450) (1349.2500, 2386.1150) 0.1700
trackA (1349.6300, 2380.0950) (1349.6300, 2380.2650) 0.1700
trackA (1349.6300, 2380.0950) (1349.8000, 2380.0950) 0.1700
trackA (1349.6300, 2385.9450) (1349.6300, 2386.1150) 0.1700
trackA (1349.6300, 2385.9450) (1349.8000, 2385.9450) 0.1700
trackA (1356.4800, 2383.1750) (1356.6500, 2383.1750) 0.1700
trackA (1356.6500, 2383.0050) (1356.6500, 2383.1750) 0.1700
trackA (1356.4800, 2389.0250) (1356.6500, 2389.0250) 0.1700
trackA (1356.6500, 2388.8550) (1356.6500, 2389.0250) 0.1700
trackA (1357.0300, 2383.0050) (1357.0300, 2383.1750) 0.1700
trackA (1357.0300, 2383.1750) (1357.2000, 2383.1750) 0.1700
trackA (1357.0300, 2388.8550) (1357.0300, 2389.0250) 0.1700
trackA (1357.0300, 2389.0250) (1357.2000, 2389.0250) 0.1700
trackA (1358.1400, 2389.0250) (1358.3000, 2389.0250) 0.1600
trackA (1358.3000, 2388.8550) (1358.3000, 2389.0250) 0.1700
trackA (1358.7400, 2388.8550) (1358.7400, 2389.0250) 0.1700
trackA (1358.7400, 2389.0250) (1358.9000, 2389.0250) 0.1600
trackA (1367.4500, 2389.0250) (1367.6100, 2389.0250) 0.1600
trackA (1367.6100, 2388.8550) (1367.6100, 2389.0250) 0.1700
trackA (1368.0500, 2388.8550) (1368.0500, 2389.0250) 0.1700
trackA (1368.0500, 2389.0250) (1368.2100, 2389.0250) 0.1600
trackA (1376.7600, 2389.0250) (1376.9200, 2389.0250) 0.1600
trackA (1376.9200, 2388.8550) (1376.9200, 2389.0250) 0.1700
trackA (1377.3600, 2388.8550) (1377.3600, 2389.0250) 0.1700
trackA (1377.3600, 2389.0250) (1377.5200, 2389.0250) 0.1600
trackA (1386.0700, 2389.0250) (1386.2300, 2389.0250) 0.1600
trackA (1386.2300, 2388.8550) (1386.2300, 2389.0250) 0.1700
trackA (1386.6700, 2388.8550) (1386.6700, 2389.0250) 0.1700
trackA (1386.6700, 2389.0250) (1386.8300, 2389.0250) 0.1600

trackA (1454.5800, 2381.7850) (1454.7500, 2381.7850) 0.1700
trackA (1454.7500, 2381.7850) (1454.7500, 2381.9550) 0.1700
trackA (1454.5800, 2389.3950) (1454.7500, 2389.3950) 0.1700
trackA (1454.7500, 2389.3950) (1454.7500, 2389.5650) 0.1700
trackA (1455.1300, 2381.7850) (1455.1300, 2381.9550) 0.1700
trackA (1455.1300, 2381.7850) (1455.3000, 2381.7850) 0.1700

DF.12 : Max distance of Nwell tap (NCOMP inside Nwell) from (PCOMP inside Nwell) : 20

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2218:and

WARNING: The error count of 110 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure	(lower left x, y)	(upper right x, y)
op_buffer	(-40.2550, -22.5200)	(-38.5150, -10.5200)
op_buffer	(-40.2550, 9.6200)	(-38.5150, 10.7500)
op_buffer	(-37.6550, -22.5200)	(-35.8750, -10.5200)
op_buffer	(-37.6550, 9.6200)	(-35.8750, 10.7500)
op_buffer	(-35.1250, -22.5200)	(-33.3450, -10.5200)
op_buffer	(-35.1250, 9.6200)	(-33.3450, 10.7500)
op_buffer	(-32.5950, -22.5200)	(-30.8150, -10.5200)
op_buffer	(-32.5950, 9.6200)	(-30.8150, 10.7500)
op_buffer	(-30.0650, -22.5200)	(-28.2850, -10.5200)
op_buffer	(-30.0650, 9.6200)	(-28.2850, 10.7500)
op_buffer	(-27.5350, -22.5200)	(-25.7550, -10.5200)
op_buffer	(-27.4250, 9.6200)	(-25.6850, 10.7500)
op_buffer	(-25.0050, -22.5200)	(-23.2250, -10.5200)
op_buffer	(-22.4750, -22.5200)	(-20.6950, -10.5200)
op_buffer	(-19.9450, -22.5200)	(-18.1650, -10.5200)
op_buffer	(-17.3050, -22.5200)	(-15.5650, -10.5200)
op_buffer	(-7.2850, -12.7150)	(-5.5450, -10.5150)
op_buffer	(-4.6850, -12.7150)	(-2.9050, -10.5150)
op_buffer	(-2.1550, -12.7150)	(-0.3750, -10.5150)
op_buffer	(0.3750, -12.7150)	(2.1550, -10.5150)
op_buffer	(2.9050, -12.7150)	(4.6850, -10.5150)

op_buffer (5.5450, -12.7150) (7.2850, -10.5150)
Unnamed_02d9ae27 (-9.5500, -12.8700) (-7.8100, -10.7100)
Unnamed_02d9ae27 (-9.5500, 18.5800) (-7.8100, 21.8250)
Unnamed_02d9ae27 (-6.9500, -12.8700) (-4.0300, -10.7100)
Unnamed_02d9ae27 (-6.9500, 18.5800) (-4.0300, 21.8250)
Unnamed_02d9ae27 (-3.2900, -12.8700) (-0.3700, -10.7100)
Unnamed_02d9ae27 (-3.2900, 18.5800) (-0.3700, 21.8250)
Unnamed_02d9ae27 (0.3700, -12.8700) (3.2900, -10.7100)
Unnamed_02d9ae27 (0.3700, 18.5800) (3.2900, 21.8250)
Unnamed_02d9ae27 (4.0300, -12.8700) (6.9500, -10.7100)
Unnamed_02d9ae27 (4.0300, 18.5800) (6.9500, 21.8250)
Unnamed_02d9ae27 (7.8100, -12.8700) (9.5500, -10.7100)
Unnamed_02d9ae27 (7.8100, 18.5800) (9.5500, 21.8250)
transformed_9f8db47f (-16.3900, -4.4250) (-14.6500, 0.5750)
transformed_9f8db47f (-13.7900, -4.4250) (-7.4500, 0.5750)
transformed_9f8db47f (-6.7100, -4.4250) (-0.3700, 0.5750)
transformed_9f8db47f (0.3700, -4.4250) (6.7100, 0.5750)
transformed_9f8db47f (7.4500, -4.4250) (13.7900, 0.5750)
transformed_9f8db47f (14.6500, -4.4250) (16.3900, 0.5750)
transformed_729ded33 (-16.3900, -4.4250) (-14.6500, 0.5750)
transformed_729ded33 (-13.7900, -4.4250) (-7.4500, 0.5750)
transformed_729ded33 (-6.7100, -4.4250) (-0.3700, 0.5750)
transformed_729ded33 (0.3700, -4.4250) (6.7100, 0.5750)
transformed_729ded33 (7.4500, -4.4250) (13.7900, 0.5750)
transformed_729ded33 (14.6500, -4.4250) (16.3900, 0.5750)
gf180mcu_fd_sc_mcu7t5v0__buf_1 (0.2800, 2.3600) (2.9000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__buf_4 (0.1800, 2.3600) (7.1600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__antenna (0.1800, 2.3600) (0.5400, 2.9300)
gf180mcu_fd_sc_mcu7t5v0__buf_3 (0.1800, 2.3600) (5.1100, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (6.9000, 2.3600) (8.7800, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (4.6600, 2.3600) (6.5400, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (2.4200, 2.3600) (4.3000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (0.1800, 2.3600) (2.0600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__clkbuf_1 (0.2800, 2.3600) (2.8600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (17.4050, 2.3600) (18.7850, 3.5750)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (3.0400, 2.3600) (9.0600, 3.3000)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (0.2800, 2.3600) (2.6800, 3.2250)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (9.4200, 2.5800) (17.0450, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (8.5200, 4.2600) (9.9000, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__fillcap_4 (0.1800, 2.3600) (2.0600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_8 (2.4200, 2.3600) (4.3000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_8 (0.1800, 2.3600) (2.0600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (33.7800, 2.3600) (35.6600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (31.5400, 2.3600) (33.4200, 3.5800)

gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (29.3000, 2.3600) (31.1800, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (27.0600, 2.3600) (28.9400, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (24.8200, 2.3600) (26.7000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (22.5800, 2.3600) (24.4600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (20.3400, 2.3600) (22.2200, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (18.1000, 2.3600) (19.9800, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (15.8600, 2.3600) (17.7400, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (13.6200, 2.3600) (15.5000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (11.3800, 2.3600) (13.2600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (9.1400, 2.3600) (11.0200, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (6.9000, 2.3600) (8.7800, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (4.6600, 2.3600) (6.5400, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (2.4200, 2.3600) (4.3000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (0.1800, 2.3600) (2.0600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (15.8600, 2.3600) (17.7400, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (13.6200, 2.3600) (15.5000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (11.3800, 2.3600) (13.2600, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (9.1400, 2.3600) (11.0200, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (6.9000, 2.3600) (8.7800, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (4.6600, 2.3600) (6.5400, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (2.4200, 2.3600) (4.3000, 3.5800)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (0.1800, 2.3600) (2.0600, 3.5800)
io_secondary_5p0 (1.9000, 37.7100) (11.9000, 47.7100)
io_secondary_5p0 (-9.1800, 37.7100) (0.8200, 47.7100)
pfet$6 (-0.4600, 0.0000) (1.5800, 0.5000)
pfet$5 (-0.4600, 0.0000) (1.5800, 1.5000)
pfet$4 (-0.4600, 0.0000) (1.5800, 1.5000)
pfet$3 (-0.4600, 0.0000) (1.5800, 50.0000)
pfet$2 (-0.4600, 0.0000) (1.5800, 50.0000)
pfet$1 (-0.4600, 0.0000) (1.5800, 50.0000)
pfet (-0.4600, 0.0000) (1.5800, 50.0000)
pn_6p0_CDNS_40661953145 28$1 (0.0000, 0.0000) (1.0000, 1.0000)
pmos_6p0_CDNS_40661953145 15$1 (-0.4400, 0.0000) (1.1400, 12.0000)
pmos_6p0_CDNS_40661953145 16$1 (-0.4400, 0.0000) (2.3600, 12.0000)
pn_6p0_CDNS_40661953145 10$1 (0.0000, 0.0000) (0.4800, 0.4800)

DF.13 : Max distance of substrate tap (PCOMP outside Nwell) from
(NCOMP outside Nwell) : 20

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:2227:and

WARNING: The error count of 102 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

Structure	(lower left x, y)	(upper right x, y)
op_buffer	(-41.3050, -39.7450)	(-14.5150, -26.6650)
op_buffer	(-41.3050, -2.8300)	(-24.6350, 5.4600)
op_buffer	(-8.3350, -25.6400)	(8.3350, -16.8600)
op_buffer	(-7.7200, -56.7850)	(7.7200, -40.1800)
Unnamed_02d9ae27	(-10.6000, -25.5000)	(10.6000, -17.0000)
Unnamed_02d9ae27	(-10.6000, 5.5750)	(10.6000, 14.4400)
gf180mcu_fd_sc_mcu7t5v0__filltie	(0.2800, 0.2800)	(0.8400, 1.2800)
gf180mcu_fd_sc_mcu7t5v0__endcap	(0.2800, 0.2800)	(0.8000, 1.2800)
cmirror_interdigitized$2	(-13.1000, -4.0450)	(13.1000, 4.0450)
cmirror_interdigitized$1	(-13.1000, -4.0450)	(13.1000, 4.0450)
io_secondary_5p0	(-32.0800, -19.3300)	(12.9200, -7.8100)
nfet$17	(1.6400, 0.0000)	(2.3500, 0.5000)
nfet$16	(1.6400, -0.0100)	(2.3500, 0.4300)
nfet$15	(1.6400, -0.0100)	(2.3500, 0.4300)
nfet$13	(1.6400, -0.0100)	(2.3500, 0.4300)
nfet$12	(1.6400, -0.0100)	(2.3500, 0.4300)
nfet$11	(1.6400, -0.0100)	(2.3500, 0.4300)
nfet$10	(1.6400, -0.0100)	(2.3500, 0.4300)
gf180mcu_fd_io__dvss$1	(0.0000, 65.4850)	(75.0000, 349.8400)
gf180mcu_fd_io__dvss$1	(1.7250, 327.9150)	(2.4950, 347.6350)
gf180mcu_fd_io__dvss$1	(72.5050, 327.9150)	(73.2750, 347.6350)
gf180mcu_fd_io__dvss$1	(15.5250, 303.1250)	(59.4750, 322.2550)
gf180mcu_fd_io__dvss$1	(65.0600, 197.8950)	(70.0100, 275.3450)
gf180mcu_fd_io__dvss$1	(16.3600, 196.0100)	(58.6400, 204.9850)
gf180mcu_fd_io__dvss$1	(9.9550, 189.1100)	(10.2750, 191.0600)
gf180mcu_fd_io__dvss$1	(64.7250, 189.1100)	(65.0450, 191.0600)
gf180mcu_fd_io__dvss$1	(9.9550, 159.7200)	(10.2750, 160.6700)
gf180mcu_fd_io__dvss$1	(64.7250, 159.7200)	(65.0450, 160.6700)
gf180mcu_fd_io__dvss$1	(9.9550, 130.3600)	(10.2750, 131.3100)
gf180mcu_fd_io__dvss$1	(64.7250, 130.3600)	(65.0450, 131.3100)
gf180mcu_fd_io__dvss$1	(9.9550, 101.0000)	(10.2750, 101.9500)
gf180mcu_fd_io__dvss$1	(64.7250, 101.0000)	(65.0450, 101.9500)
gf180mcu_fd_io__dvss$1	(9.9550, 70.6100)	(10.2750, 72.5600)
gf180mcu_fd_io__dvss$1	(64.7250, 70.6100)	(65.0450, 72.5600)
M1_PSUB_CDNS_40661953145101$1	(-4.9750, -12.4750)	(4.9750, 12.4750)
M1_PSUB_CDNS_40661953145130$1	(-27.2250, -0.4750)	(27.2250, 0.4750)

M1_PSUB_CDNS_406619531451331$1 (-0.9750, -60.2250) (0.9750, 60.2250)
M1_PSUB_CDNS_406619531451341$1 (-27.2250, -0.9750) (27.2250, 0.9750)
comp018green_esd_rc_v5p0$2 (7.8250, 23.7500) (9.1650, 85.1900)
comp018green_esd_rc_v5p0$2 (59.2050, 23.7500) (59.5250, 24.7700)
comp018green_esd_rc_v5p0$2 (59.2050, 53.7150) (59.5250, 54.7350)
comp018green_esd_rc_v5p0$2 (59.2050, 84.1700) (59.5250, 85.1900)
M1_PSUB_CDNS_406619531451291$1 (-0.5100, -25.0200) (0.5100, 25.0200)
M1_PSUB_CDNS_406619531451261$1 (-0.5100, -30.7200) (0.5100, 30.7200)
M1_PSUB_CDNS_406619531451001$1 (-1.2250, -103.7250) (1.2250, 103.7250)
M1_PSUB_CDNS_40661953145651$1 (-35.0050, -0.2250) (35.0050, 0.2250)
M1_PSUB_CDNS_40661953145671$1 (-20.5950, -0.2250) (20.5950, 0.2250)
M1_PSUB_CDNS_406619531454551$1 (-0.2250, -141.9750) (0.2250, 141.9750)
gf180mcu_fd_io__dvdd$1 (0.0000, 65.4850) (75.0000, 349.8400)
gf180mcu_fd_io__dvdd$1 (1.7250, 327.9150) (2.4950, 347.6350)
gf180mcu_fd_io__dvdd$1 (72.5050, 327.9150) (73.2750, 347.6350)
gf180mcu_fd_io__dvdd$1 (15.5250, 303.1250) (59.4750, 322.2550)
gf180mcu_fd_io__dvdd$1 (65.0600, 197.8950) (70.0100, 275.3450)
gf180mcu_fd_io__dvdd$1 (16.3600, 196.2950) (58.6400, 205.2700)
gf180mcu_fd_io__dvdd$1 (9.9550, 189.3950) (10.2750, 191.3450)
gf180mcu_fd_io__dvdd$1 (64.7250, 189.3950) (65.0450, 191.3450)
gf180mcu_fd_io__dvdd$1 (9.9550, 160.0050) (10.2750, 160.9550)
gf180mcu_fd_io__dvdd$1 (64.7250, 160.0050) (65.0450, 160.9550)
gf180mcu_fd_io__dvdd$1 (9.9550, 130.6450) (10.2750, 131.5950)
gf180mcu_fd_io__dvdd$1 (64.7250, 130.6450) (65.0450, 131.5950)
gf180mcu_fd_io__dvdd$1 (9.9550, 101.2850) (10.2750, 102.2350)
gf180mcu_fd_io__dvdd$1 (64.7250, 101.2850) (65.0450, 102.2350)
gf180mcu_fd_io__dvdd$1 (9.9550, 70.8950) (10.2750, 72.8450)
gf180mcu_fd_io__dvdd$1 (64.7250, 70.8950) (65.0450, 72.8450)
gf180mcu_fd_io__cor$2 (65.4850, 65.4850) (355.0000, 355.0000)
gf180mcu_fd_io__cor$2 (109.3450, 126.6200) (164.4600, 181.7350)
gf180mcu_fd_io__cor$2 (171.8850, 94.9200) (196.1600, 119.1950)
gf180mcu_fd_io__cor$2 (67.7300, 173.6400) (262.3900, 284.2350)
gf180mcu_fd_io__cor$2 (88.0250, 198.7700) (99.2250, 205.1150)
gf180mcu_fd_io__cor$2 (120.2750, 143.6750) (178.4100, 173.6400)
nmos_clamp_20_50_4$2 (4.8600, 3.1600) (5.1800, 5.1100)
nmos_clamp_20_50_4$2 (4.8600, 33.5500) (5.1800, 34.5000)
nmos_clamp_20_50_4$2 (4.8600, 62.9100) (5.1800, 63.8600)
nmos_clamp_20_50_4$2 (4.8600, 92.2700) (5.1800, 93.2200)
nmos_clamp_20_50_4$2 (4.8600, 121.6600) (5.1800, 123.6100)
nmos_clamp_20_50_4$2 (59.6300, 3.1600) (59.9500, 5.1100)
nmos_clamp_20_50_4$2 (59.6300, 33.5500) (59.9500, 34.5000)
nmos_clamp_20_50_4$2 (59.6300, 62.9100) (59.9500, 63.8600)
nmos_clamp_20_50_4$2 (59.6300, 92.2700) (59.9500, 93.2200)
nmos_clamp_20_50_4$2 (59.6300, 121.6600) (59.9500, 123.6100)

moscap_corner$2 (0.1600, 0.1600) (1.5000, 61.6000)
moscap_corner$2 (51.5400, 0.1600) (51.8600, 1.1800)
moscap_corner$2 (51.5400, 30.1250) (51.8600, 31.1450)
moscap_corner$2 (51.5400, 60.5800) (51.8600, 61.6000)
M1_PSUB_CDNS_40661953145283$1 (-1.0050, -38.6350) (1.0050, 38.6350)
comp018green_out_predrv$1 (0.0000, 0.0000) (17.9700, 13.6000)
comp018green_sigbuf$1 (6.4000, 0.0000) (13.5600, 5.1500)
comp018green_sigbuf$1 (0.0000, 0.0000) (3.8700, 5.1500)
comp018green_std_nand2$1 (0.0000, 0.0550) (5.2800, 5.2050)
comp018green_out_sigbuf_oe$1 (7.8100, 0.0000) (13.5600, 5.1500)
comp018green_out_sigbuf_oe$1 (0.0000, 0.0000) (5.2800, 5.1500)
gf180mcu_fd_io__asig_5p0$1 (0.0000, 65.4850) (75.0000, 349.8400)
gf180mcu_fd_io__asig_5p0$1 (1.2850, 67.9600) (5.2350, 165.4100)
gf180mcu_fd_io__asig_5p0$1 (1.7250, 169.2400) (2.4950, 347.3500)
gf180mcu_fd_io__asig_5p0$1 (7.0050, 67.9600) (67.9950, 102.9100)
gf180mcu_fd_io__asig_5p0$1 (10.2650, 108.2050) (64.7350, 136.7350)
gf180mcu_fd_io__asig_5p0$1 (15.4200, 145.5100) (59.5800, 163.4800)
gf180mcu_fd_io__asig_5p0$1 (69.7650, 67.9600) (73.7150, 165.4100)
gf180mcu_fd_io__asig_5p0$1 (72.5050, 169.2400) (73.2750, 347.3500)
gf180mcu_fd_io__fill5$1 (0.0000, 65.4850) (5.0000, 349.8400)

DF.18_LV : Min DNWELL space to (PCOMP outside Nwell and DNWELL) = 2.5

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2260:external2
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (521.9600, 1232.2650) (536.9100, 1233.1950) 0.9300
trackA (535.9800, 1232.2650) (536.9100, 1257.4160) 0.9300
trackA (521.9600, 1232.2650) (522.8900, 1257.4160) 0.9300
trackA (521.9600, 1282.2950) (536.9100, 1283.2250) 0.9300
trackA (535.9800, 1258.0740) (536.9100, 1283.2250) 0.9300
trackA (521.9600, 1258.0740) (522.8900, 1283.2250) 0.9300
trackA (592.4600, 1232.2650) (607.4100, 1233.1950) 0.9300
trackA (606.4800, 1232.2650) (607.4100, 1257.4160) 0.9300
trackA (592.4600, 1232.2650) (593.3900, 1257.4160) 0.9300
trackA (592.4600, 1282.2950) (607.4100, 1283.2250) 0.9300
trackA (606.4800, 1258.0740) (607.4100, 1283.2250) 0.9300
trackA (592.4600, 1258.0740) (593.3900, 1283.2250) 0.9300
trackA (662.9600, 1232.2650) (677.9100, 1233.1950) 0.9300

trackA (676.9800, 1232.2650) (677.9100, 1257.4160) 0.9300
trackA (662.9600, 1232.2650) (663.8900, 1257.4160) 0.9300
trackA (662.9600, 1282.2950) (677.9100, 1283.2250) 0.9300
trackA (676.9800, 1258.0740) (677.9100, 1283.2250) 0.9300
trackA (662.9600, 1258.0740) (663.8900, 1283.2250) 0.9300
trackA (733.4600, 1232.2650) (748.4100, 1233.1950) 0.9300
trackA (747.4800, 1232.2650) (748.4100, 1257.4160) 0.9300
trackA (733.4600, 1232.2650) (734.3900, 1257.4160) 0.9300
trackA (733.4600, 1282.2950) (748.4100, 1283.2250) 0.9300
trackA (747.4800, 1258.0740) (748.4100, 1283.2250) 0.9300
trackA (733.4600, 1258.0740) (734.3900, 1283.2250) 0.9300

DF.1a : Min. COMP Width : 0.22

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2092:internal1
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1642.4950, 2408.6150) (1642.6250, 2408.6200) 0.0050
trackA (1642.2750, 2408.6150) (1642.4950, 2408.6200) 0.0050
trackA (1642.4950, 2409.0350) (1642.6250, 2409.0400) 0.0050
trackA (1642.2750, 2409.0350) (1642.4950, 2409.0400) 0.0050

DF.3a_LV : Minimum COMP space. P-substrate tap (PCOMP outside DNWELL
and NWELL) can be butted for different voltage device like Low voltage,
Medium voltage and High voltage as the potential is same

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2130:outside
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1642.4950, 2408.6200) (1642.6250, 2409.0350)
trackA (1642.6250, 2409.0350) (1642.9050, 2409.0400)

DF.3a_MV : Minimum COMP space. P-substrate tap (PCOMP outside DNWELL and NWELL) can be butted for different voltage device like Low voltage, Medium voltage and High voltage as the potential is same

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/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2136:external1

- -

Structure	(lower left x, y)	(upper right x, y)	Distance
trackA	(1358.0150, 2377.1050)	(1359.0250, 2377.3250)	0.2200
trackA	(1357.9510, 2374.2450)	(1359.0890, 2374.3350)	0.0900
trackA	(1367.3250, 2377.1050)	(1368.3350, 2377.3250)	0.2200
trackA	(1367.2610, 2374.2450)	(1368.3990, 2374.3350)	0.0900
trackA	(1376.6350, 2377.1050)	(1377.6450, 2377.3250)	0.2200
trackA	(1376.5710, 2374.2450)	(1377.7090, 2374.3350)	0.0900
trackA	(1385.9450, 2377.1050)	(1386.9550, 2377.3250)	0.2200
trackA	(1385.8810, 2374.2450)	(1387.0190, 2374.3350)	0.0900
trackA	(1496.1810, 2417.0350)	(1497.5690, 2417.0650)	0.0300

DF.3b : Min/Max space from NCOMP to PCOMP in the same well for butted COMP = 0.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2146:and

- -

Structure	(lower left x, y)	(upper right x, y)
trackA	(1349.0800, 2389.7550)	(1349.8000, 2391.9650)
trackA	(1358.0600, 2389.7550)	(1358.9800, 2391.7750)
trackA	(1367.3700, 2389.7550)	(1368.2900, 2391.7750)
trackA	(1376.6800, 2389.7550)	(1377.6000, 2391.7750)
trackA	(1385.9900, 2389.7550)	(1386.9100, 2391.7750)
trackA	(1356.4800, 2388.8550)	(1357.2000, 2389.7550)
trackA	(1349.0800, 2383.9050)	(1349.8000, 2386.1150)
trackA	(1358.0600, 2383.9050)	(1358.9800, 2384.5250)
trackA	(1367.3700, 2383.9050)	(1368.2900, 2384.5250)
trackA	(1376.6800, 2383.9050)	(1377.6000, 2384.5250)
trackA	(1385.9900, 2383.9050)	(1386.9100, 2384.5250)
trackA	(1356.4800, 2383.0050)	(1357.2000, 2383.9050)
trackA	(1349.0800, 2378.0550)	(1349.8000, 2380.2650)

trackA (1356.4800, 2377.1550) (1357.2000, 2378.0550)
trackA (1349.0800, 2372.2050) (1349.8000, 2374.4150)
trackA (1356.4800, 2371.3050) (1357.2000, 2372.2050)
trackA (1349.0800, 2366.3550) (1349.8000, 2368.5650)
trackA (1356.4800, 2365.4550) (1357.2000, 2366.3550)
trackA (1358.1400, 2388.8550) (1358.9000, 2389.5450)
trackA (1367.4500, 2388.8550) (1368.2100, 2389.5450)
trackA (1376.7600, 2388.8550) (1377.5200, 2389.5450)
trackA (1386.0700, 2388.8550) (1386.8300, 2389.5450)
trackA (1454.5800, 2417.7950) (1455.3000, 2420.0050)
trackA (1462.6750, 2416.8950) (1463.3950, 2417.7950)
trackA (1454.5800, 2410.1850) (1455.3000, 2412.3950)
trackA (1462.6750, 2409.2850) (1463.3950, 2410.1850)
trackA (1496.3800, 2409.2850) (1497.0600, 2410.1850)
trackA (1454.5800, 2402.5750) (1455.3000, 2404.7850)
trackA (1462.6750, 2401.6750) (1463.3950, 2402.5750)
trackA (1496.3800, 2401.6750) (1497.0600, 2402.5750)
trackA (1454.5800, 2394.9650) (1455.3000, 2397.1750)
trackA (1462.6750, 2394.0650) (1463.3950, 2394.9650)
trackA (1496.3800, 2394.0650) (1497.0600, 2394.9650)
trackA (1454.5800, 2387.3550) (1455.3000, 2389.5650)
trackA (1462.6750, 2386.4550) (1463.3950, 2387.3550)
trackA (1496.3800, 2386.4550) (1497.0600, 2387.3550)
trackA (1454.5800, 2379.7450) (1455.3000, 2381.9550)
trackA (1462.6750, 2378.8450) (1463.3950, 2379.7450)
trackA (1496.3800, 2378.8450) (1497.0600, 2379.7450)
trackA (1454.5800, 2372.1350) (1455.3000, 2374.3450)
trackA (1462.6750, 2371.2350) (1463.3950, 2372.1350)
trackA (1496.3800, 2371.2350) (1497.0600, 2372.1350)
trackA (1454.5800, 2364.5250) (1455.3000, 2366.7350)
trackA (1462.6750, 2363.6250) (1463.3950, 2364.5250)
trackA (1496.3800, 2363.6250) (1497.0600, 2364.5250)
trackA (1496.3800, 2417.0650) (1497.2100, 2417.1950)
trackA (1358.0600, 2367.7950) (1358.9800, 2368.5650)
trackA (1367.3700, 2367.7950) (1368.2900, 2368.5650)
trackA (1376.6800, 2367.7950) (1377.6000, 2368.5650)
trackA (1385.9900, 2367.7950) (1386.9100, 2368.5650)
trackA (1496.5400, 2416.8950) (1497.3800, 2417.0350)

DN.2 : Min. DNWELL Space : 5.42

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1961:external1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (522.8900, 1255.0950) (535.9800, 1260.3950) 5.3000
trackA (593.3900, 1255.0950) (606.4800, 1260.3950) 5.3000
trackA (663.8900, 1255.0950) (676.9800, 1260.3950) 5.3000
trackA (734.3900, 1255.0950) (747.4800, 1260.3950) 5.3000

DN.3 : Each DNWELL shall be directly surrounded by PCOMP guard ring
tied to the P-substrate potential

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1971:and

- -

Structure (lower left x, y) (upper right x, y)

- -

trackA (1787.0200, 2579.7850) (1790.1200, 2582.9900)
trackA (1796.1500, 2579.8050) (1799.2500, 2583.0100)
trackA (1217.6150, 2298.7250) (1227.2750, 2315.0450)
trackA (1218.3450, 2319.6150) (1227.2050, 2339.7150)
trackA (1236.6400, 2352.4200) (1262.6100, 2423.1100)
trackA (1248.3400, 2330.7200) (1262.3000, 2347.4000)
trackA (1287.7150, 2294.2350) (1310.8350, 2358.2150)
trackA (1312.7550, 2294.2350) (1336.9950, 2365.3350)
trackA (1620.3500, 2313.1050) (1682.4800, 2332.9850)
trackA (1620.3500, 2334.9850) (1682.4800, 2354.8650)
trackA (1639.8300, 2285.7550) (1659.7300, 2305.2850)
trackA (1649.5100, 2356.8650) (1682.4800, 2376.7450)
trackA (1459.5750, 2416.3750) (1497.9000, 2420.5250)
trackA (1459.5750, 2408.7650) (1497.9000, 2412.9150)
trackA (1459.5750, 2401.1550) (1497.9000, 2405.3050)
trackA (1459.5750, 2393.5450) (1497.9000, 2397.6950)
trackA (1459.5750, 2385.9350) (1497.9000, 2390.0850)
trackA (1459.5750, 2378.3250) (1497.9000, 2382.4750)
trackA (1459.5750, 2370.7150) (1497.9000, 2374.8650)
trackA (1459.5750, 2363.1050) (1497.9000, 2367.2550)
trackA (1615.0600, 2118.4350) (1659.8600, 2188.2750)
trackA (1661.5650, 2118.4350) (1682.0050, 2188.2750)
trackA (458.0100, 1161.2550) (462.3300, 1164.9150)

trackA	(458.0100, 1182.5350)	(460.6000, 1185.0750)
trackA	(465.8500, 1157.8950)	(470.1700, 1159.8750)
trackA	(465.8500, 1182.5350)	(468.4400, 1183.9550)
trackA	(467.5800, 1162.3750)	(470.1700, 1163.7950)
trackA	(473.6900, 1157.8950)	(478.0100, 1159.8750)
trackA	(473.6900, 1182.5350)	(476.2800, 1183.9550)
trackA	(475.4200, 1162.3750)	(478.0100, 1163.7950)
trackA	(481.5300, 1171.3350)	(484.1200, 1175.5550)
trackA	(481.5300, 1195.9750)	(484.1200, 1197.3950)
trackA	(483.2600, 1157.8950)	(485.8500, 1159.8750)
trackA	(483.2600, 1190.3750)	(485.8500, 1192.9150)
trackA	(489.3700, 1157.8950)	(493.6900, 1160.4350)
trackA	(489.3700, 1180.2950)	(493.6900, 1182.2750)
trackA	(489.3700, 1182.5350)	(491.9600, 1183.9550)
trackA	(491.1000, 1170.2150)	(493.6900, 1177.7950)
trackA	(497.2100, 1157.8950)	(499.8000, 1160.4350)
trackA	(497.2100, 1162.9350)	(499.8000, 1164.3550)
trackA	(497.2100, 1175.8150)	(499.8000, 1177.7950)
trackA	(497.2100, 1182.5350)	(499.8000, 1183.9550)
trackA	(2120.8250, 934.9300)	(2176.7350, 965.7100)
trackA	(2227.2450, 934.9300)	(2283.1550, 965.7100)
trackA	(2285.1650, 874.3400)	(2312.0750, 945.6800)
trackA	(865.7850, 510.8700)	(887.9250, 521.3100)
trackA	(916.0650, 510.8700)	(934.1250, 521.3100)
trackA	(936.4350, 510.0200)	(954.4950, 521.5600)
trackA	(1151.9100, 545.9050)	(1165.9800, 573.2150)
trackA	(1151.9100, 577.8300)	(1165.9800, 595.4700)
trackA	(1185.6000, 538.6550)	(1203.6700, 565.9650)
trackA	(1215.6900, 538.6550)	(1233.7600, 565.9650)
trackA	(1245.7700, 538.6550)	(1263.8400, 565.9650)
trackA	(1275.8500, 538.6550)	(1367.1800, 565.9650)
trackA	(1379.1900, 538.6550)	(1592.6200, 565.9650)
trackA	(797.0200, 358.6400)	(839.1800, 371.8200)
trackA	(897.0100, 358.6400)	(939.1700, 371.8200)
trackA	(2499.4500, 448.3150)	(2524.3000, 460.7150)
trackA	(1605.4750, 2193.2750)	(1640.7750, 2283.2250)
trackA	(1642.4750, 2193.2750)	(1659.7300, 2283.2250)
trackA	(2121.4050, 968.5250)	(2135.3050, 983.6150)
trackA	(2227.8250, 968.5250)	(2241.7250, 983.6150)
trackA	(1182.8000, 475.2700)	(1396.6900, 495.4900)
op_buffer	(-41.8950, -26.0800)	(-13.9250, -5.1100)
op_buffer	(-41.8950, 6.0500)	(-24.0450, 16.1600)
op_buffer	(-8.9250, -16.2750)	(8.9250, -5.1050)
Unnamed_02d9ae27	(-11.1900, -16.4200)	(11.1900, -5.3000)

Unnamed_02d9ae27 (-11.1900, 15.0200) (11.1900, 27.2300)
transformed_9f8db47f (-18.0350, -7.9850) (18.0350, 7.9850)
transformed_729ded33 (-18.0350, -7.9850) (18.0350, 7.9850)
gf180mcu_fd_sc_mcu7t5v0__buf_1 (-0.4300, 1.7600) (3.7900, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__buf_4 (-0.4300, 1.7600) (8.2700, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__antenna (-0.4300, 1.7600) (1.5500, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__buf_3 (-0.4300, 1.7600) (6.0300, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (-0.4300, 1.7600) (9.3900, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__clkbuf_1 (-0.4300, 1.7600) (3.7900, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (-0.4300, 1.7600) (19.4700, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__filltie (-0.4300, 1.7600) (1.5500, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__fillcap_4 (-0.4300, 1.7600) (2.6700, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__fillcap_8 (-0.4300, 1.7600) (4.9100, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__endcap (-0.4300, 1.7600) (1.5500, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (-0.4300, 1.7600) (36.2700, 4.3500)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (-0.4300, 1.7600) (18.3500, 4.3500)
io_secondary_5p0 (22.6500, -7.2500) (35.8300, 34.9100)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1974:and

WARNING: The error count of 102 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1787.6300, 2578.5250) (1789.1100, 2579.1850)
trackA (1796.7650, 2578.5450) (1798.2450, 2579.2050)
trackA (1459.5750, 2416.8950) (1497.2100, 2417.7950)
trackA (1459.5750, 2409.2850) (1497.2100, 2410.1850)
trackA (1459.5750, 2401.6750) (1497.2100, 2402.5750)
trackA (1459.5750, 2394.0650) (1497.2100, 2394.9650)
trackA (1459.5750, 2386.4550) (1497.2100, 2387.3550)
trackA (1459.5750, 2378.8450) (1497.2100, 2379.7450)
trackA (1459.5750, 2371.2350) (1497.2100, 2372.1350)
trackA (1459.5750, 2363.6250) (1497.2100, 2364.5250)
trackA (1219.6750, 2300.7850) (1225.2150, 2305.8050)
trackA (1219.6750, 2307.9650) (1225.2150, 2312.9850)
trackA (1220.0050, 2321.2750) (1225.5450, 2326.2950)
trackA (1220.0050, 2327.1550) (1225.5450, 2332.1750)
trackA (1220.0050, 2333.0350) (1225.5450, 2338.0550)
trackA (1240.5700, 2354.7800) (1258.6800, 2371.2400)

trackA (1240.5700, 2372.8750) (1258.6800, 2387.1850)
trackA (1240.5700, 2388.3450) (1258.6800, 2402.6550)
trackA (1240.5700, 2404.2900) (1258.6800, 2420.7500)
trackA (1250.0000, 2332.3800) (1255.0400, 2336.2600)
trackA (1250.0000, 2337.1200) (1255.0400, 2341.0000)
trackA (1250.0000, 2341.8600) (1255.0400, 2345.7400)
trackA (1256.9800, 2343.2400) (1262.0200, 2347.1200)
trackA (1288.0250, 2294.5450) (1310.5250, 2357.9050)
trackA (1313.0650, 2294.5450) (1336.6850, 2365.0250)
trackA (1496.5400, 2416.8950) (1497.3800, 2417.0350)
trackA (1620.6700, 2313.4250) (1682.1600, 2332.0750)
trackA (1620.6700, 2335.3050) (1682.1600, 2353.9550)
trackA (1640.1500, 2286.0750) (1659.4100, 2304.9650)
trackA (1649.8300, 2357.1850) (1682.1600, 2375.8350)
trackA (1615.3800, 2118.7550) (1659.5400, 2187.9550)
trackA (1665.5350, 2118.7550) (1681.6850, 2187.9550)
trackA (480.4500, 1171.9450) (480.9300, 1173.4250)
trackA (494.2900, 1170.8250) (495.1100, 1176.7650)
trackA (2121.1050, 935.2100) (2176.4550, 965.4300)
trackA (2227.5250, 935.2100) (2282.8750, 965.4300)
trackA (2285.4450, 874.6200) (2311.7950, 945.4000)
trackA (1276.1300, 538.9350) (1366.9000, 565.6850)
trackA (1379.4700, 538.9350) (1592.3400, 565.6850)
trackA (866.0650, 511.1500) (887.6450, 521.0300)
trackA (916.3450, 511.1500) (933.8450, 521.0300)
trackA (936.7150, 510.3000) (954.2150, 521.2800)
trackA (1152.1900, 546.1850) (1165.7000, 572.9350)
trackA (1152.1900, 578.1100) (1165.7000, 595.1900)
trackA (1185.8800, 538.9350) (1203.3900, 565.6850)
trackA (1215.9700, 538.9350) (1233.4800, 565.6850)
trackA (1246.0500, 538.9350) (1263.5600, 565.6850)
trackA (1466.0450, 2200.6850) (1511.8050, 2277.2650)
trackA (1605.7950, 2193.5950) (1640.4550, 2282.9050)
trackA (1649.7400, 2193.5950) (1659.4100, 2282.9050)
trackA (2121.6850, 968.8050) (2135.0250, 983.3350)
op_buffer (-41.3050, -25.4900) (-14.5150, -5.7000)
op_buffer (-41.3050, 6.6400) (-24.6350, 15.5700)
op_buffer (-8.3350, -15.6850) (8.3350, -5.6950)
Unnamed_02d9ae27 (-10.6000, 15.6100) (10.6000, 26.6450)
Unnamed_02d9ae27 (-10.6000, -15.8300) (10.6000, -5.8900)
transformed_9f8db47f (-17.4450, -7.3950) (17.4450, 7.3950)
transformed_729ded33 (-17.4450, -7.3950) (17.4450, 7.3950)
gf180mcu_fd_sc_mcu7t5v0__buf_1 (0.1800, 0.3400) (3.0000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__buf_4 (0.1800, 0.3400) (7.2600, 1.1600)

gf180mcu_fd_sc_mcu7t5v0__antenna (0.1800, 0.5900) (0.5400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__buf_3 (0.1800, 0.3400) (5.2100, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (6.9000, 0.3400) (8.7800, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (4.6600, 0.3400) (6.5400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (2.4200, 0.3400) (4.3000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_16 (0.1800, 0.3400) (2.0600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__clkbuf_1 (0.1800, 0.5650) (2.9600, 1.0600)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (17.3050, 0.3450) (18.7850, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (3.1600, 0.6200) (16.9450, 1.2950)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (0.1800, 0.7550) (2.7800, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__filltie (0.3600, 1.9200) (0.7600, 3.5600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_4 (0.1800, 0.3400) (2.0600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_8 (2.4200, 0.3400) (4.3000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_8 (0.1800, 0.3400) (2.0600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__endcap (0.3600, 1.9200) (0.7200, 3.5600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (33.7800, 0.3400) (35.6600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (31.5400, 0.3400) (33.4200, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (29.3000, 0.3400) (31.1800, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (27.0600, 0.3400) (28.9400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (24.8200, 0.3400) (26.7000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (22.5800, 0.3400) (24.4600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (20.3400, 0.3400) (22.2200, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (18.1000, 0.3400) (19.9800, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (15.8600, 0.3400) (17.7400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (13.6200, 0.3400) (15.5000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (11.3800, 0.3400) (13.2600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (9.1400, 0.3400) (11.0200, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (6.9000, 0.3400) (8.7800, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (4.6600, 0.3400) (6.5400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (2.4200, 0.3400) (4.3000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_64 (0.1800, 0.3400) (2.0600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (15.8600, 0.3400) (17.7400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (13.6200, 0.3400) (15.5000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (11.3800, 0.3400) (13.2600, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (9.1400, 0.3400) (11.0200, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (6.9000, 0.3400) (8.7800, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (4.6600, 0.3400) (6.5400, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (2.4200, 0.3400) (4.3000, 1.1600)
gf180mcu_fd_sc_mcu7t5v0__fillcap_32 (0.1800, 0.3400) (2.0600, 1.1600)
io_secondary_5p0 (22.7700, -7.1300) (35.7100, 34.7900)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1981:and
- -

Structure (lower left x, y) (upper right x, y)
- -
trackA (2076.8300, 2011.2600) (2117.2800, 2027.8700)
trackA (1284.1750, 2291.3750) (1459.5750, 2425.1450)
trackA (1499.4000, 2331.9850) (1545.9700, 2414.1750)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1984:not_outside
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1284.1750, 2291.3750) (1459.5750, 2425.1450)
trackA (1499.4000, 2331.9850) (1545.9700, 2414.1750)
trackA (2076.8300, 2011.2600) (2117.2800, 2027.8700)
trackA (522.8900, 1233.1950) (535.9800, 1255.0950)
trackA (522.8900, 1260.3950) (535.9800, 1282.2950)
trackA (593.3900, 1233.1950) (606.4800, 1255.0950)
trackA (593.3900, 1260.3950) (606.4800, 1282.2950)
trackA (663.8900, 1233.1950) (676.9800, 1255.0950)
trackA (663.8900, 1260.3950) (676.9800, 1282.2950)
trackA (734.3900, 1233.1950) (747.4800, 1255.0950)
trackA (734.3900, 1260.3950) (747.4800, 1282.2950)

DV.1 : Min. Dualgate enclose DNWELL = 0.5

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:6130:enclose
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1132.2950, 2367.5050) (1179.8850, 2367.5060) 0.0000
trackA (1132.2950, 2415.4940) (1179.8850, 2415.4950) 0.0000
trackA (1179.8840, 2367.5050) (1179.8850, 2415.4950) 0.0000
trackA (1132.2950, 2367.5050) (1132.2960, 2415.4950) 0.0000
trackA (1280.2000, 2222.7790) (1390.1800, 2222.7800) 0.0000
trackA (1284.1750, 2380.5400) (1340.0950, 2380.5410) 0.0000
trackA (1340.0950, 2352.2350) (1396.9150, 2352.2360) 0.0000
trackA (1396.9150, 2291.3750) (1459.5750, 2291.3760) 0.0000
trackA (1284.1750, 2425.1440) (1459.5750, 2425.1450) 0.0000
trackA (1459.5740, 2291.3750) (1459.5750, 2362.6050) 0.0000
trackA (1459.5740, 2367.7550) (1459.5750, 2370.2150) 0.0000

trackA (1459.5740, 2375.3650) (1459.5750, 2377.8250) 0.0000
trackA (1459.5740, 2382.9750) (1459.5750, 2385.4350) 0.0000
trackA (1459.5740, 2390.5850) (1459.5750, 2393.0450) 0.0000
trackA (1459.5740, 2398.1950) (1459.5750, 2400.6550) 0.0000
trackA (1459.5740, 2405.8050) (1459.5750, 2408.2650) 0.0000
trackA (1459.5740, 2413.4150) (1459.5750, 2415.8750) 0.0000
trackA (1459.5740, 2421.0250) (1459.5750, 2425.1450) 0.0000
trackA (1284.1750, 2380.5400) (1284.1760, 2425.1450) 0.0000
trackA (1340.0950, 2352.2350) (1340.0960, 2380.5400) 0.0000
trackA (1396.9150, 2291.3750) (1396.9160, 2352.2350) 0.0000
trackA (1280.2000, 2117.6200) (1390.1800, 2117.6210) 0.0000
trackA (1390.1790, 2117.6200) (1390.1800, 2222.7800) 0.0000
trackA (1280.2000, 2117.6200) (1280.2010, 2222.7800) 0.0000

HRES.10 : Minimum/Maximum Pplus overlap of SAB = 0.1

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3917:interacting
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1289.3750, 2297.0950) (1290.3750, 2302.0950)
trackA (1289.3750, 2305.7550) (1290.3750, 2310.7550)
trackA (1289.3750, 2314.4150) (1290.3750, 2319.4150)
trackA (1289.3750, 2323.0750) (1290.3750, 2328.0750)
trackA (1289.3750, 2331.7350) (1290.3750, 2336.7350)
trackA (1289.3750, 2340.3950) (1290.3750, 2345.3950)
trackA (1289.3750, 2349.0550) (1290.3750, 2354.0550)
trackA (1293.1350, 2297.0950) (1294.1350, 2302.0950)
trackA (1293.1350, 2305.7550) (1294.1350, 2310.7550)
trackA (1293.1350, 2314.4150) (1294.1350, 2319.4150)
trackA (1293.1350, 2323.0750) (1294.1350, 2328.0750)
trackA (1293.1350, 2331.7350) (1294.1350, 2336.7350)
trackA (1293.1350, 2340.3950) (1294.1350, 2345.3950)
trackA (1293.1350, 2349.0550) (1294.1350, 2354.0550)
trackA (1296.8950, 2297.0950) (1297.8950, 2302.0950)
trackA (1296.8950, 2305.7550) (1297.8950, 2310.7550)
trackA (1296.8950, 2314.4150) (1297.8950, 2319.4150)
trackA (1296.8950, 2323.0750) (1297.8950, 2328.0750)
trackA (1296.8950, 2331.7350) (1297.8950, 2336.7350)
trackA (1296.8950, 2340.3950) (1297.8950, 2345.3950)

trackA (1296.8950, 2349.0550) (1297.8950, 2354.0550)
trackA (1300.6550, 2297.0950) (1301.6550, 2302.0950)
trackA (1300.6550, 2305.7550) (1301.6550, 2310.7550)
trackA (1300.6550, 2314.4150) (1301.6550, 2319.4150)
trackA (1300.6550, 2323.0750) (1301.6550, 2328.0750)
trackA (1300.6550, 2331.7350) (1301.6550, 2336.7350)
trackA (1300.6550, 2340.3950) (1301.6550, 2345.3950)
trackA (1300.6550, 2349.0550) (1301.6550, 2354.0550)
trackA (1304.4150, 2297.0950) (1305.4150, 2302.0950)
trackA (1304.4150, 2305.7550) (1305.4150, 2310.7550)
trackA (1304.4150, 2314.4150) (1305.4150, 2319.4150)
trackA (1304.4150, 2323.0750) (1305.4150, 2328.0750)
trackA (1304.4150, 2331.7350) (1305.4150, 2336.7350)
trackA (1304.4150, 2340.3950) (1305.4150, 2345.3950)
trackA (1304.4150, 2349.0550) (1305.4150, 2354.0550)
trackA (1308.1750, 2297.0950) (1309.1750, 2302.0950)
trackA (1308.1750, 2305.7550) (1309.1750, 2310.7550)
trackA (1308.1750, 2314.4150) (1309.1750, 2319.4150)
trackA (1308.1750, 2323.0750) (1309.1750, 2328.0750)
trackA (1308.1750, 2331.7350) (1309.1750, 2336.7350)
trackA (1308.1750, 2340.3950) (1309.1750, 2345.3950)
trackA (1308.1750, 2349.0550) (1309.1750, 2354.0550)
trackA (1314.4150, 2297.0950) (1315.4150, 2307.0950)
trackA (1314.4150, 2310.7550) (1315.4150, 2320.7550)
trackA (1314.4150, 2324.4150) (1315.4150, 2334.4150)
trackA (1314.4150, 2338.0750) (1315.4150, 2348.0750)
trackA (1314.4150, 2351.7350) (1315.4150, 2361.7350)
trackA (1318.1750, 2297.0950) (1319.1750, 2307.0950)
trackA (1318.1750, 2310.7550) (1319.1750, 2320.7550)
trackA (1318.1750, 2324.4150) (1319.1750, 2334.4150)
trackA (1318.1750, 2338.0750) (1319.1750, 2348.0750)
trackA (1318.1750, 2351.7350) (1319.1750, 2361.7350)
trackA (1321.9350, 2297.0950) (1322.9350, 2307.0950)
trackA (1321.9350, 2310.7550) (1322.9350, 2320.7550)
trackA (1321.9350, 2324.4150) (1322.9350, 2334.4150)
trackA (1321.9350, 2338.0750) (1322.9350, 2348.0750)
trackA (1321.9350, 2351.7350) (1322.9350, 2361.7350)
trackA (1325.6950, 2297.0950) (1326.6950, 2307.0950)
trackA (1325.6950, 2310.7550) (1326.6950, 2320.7550)
trackA (1325.6950, 2324.4150) (1326.6950, 2334.4150)
trackA (1325.6950, 2338.0750) (1326.6950, 2348.0750)
trackA (1325.6950, 2351.7350) (1326.6950, 2361.7350)
trackA (1329.4550, 2297.0950) (1330.4550, 2307.0950)
trackA (1329.4550, 2310.7550) (1330.4550, 2320.7550)

trackA (1329.4550, 2324.4150) (1330.4550, 2334.4150)
trackA (1329.4550, 2338.0750) (1330.4550, 2348.0750)
trackA (1329.4550, 2351.7350) (1330.4550, 2361.7350)
trackA (1333.2150, 2297.0950) (1334.2150, 2307.0950)
trackA (1333.2150, 2310.7550) (1334.2150, 2320.7550)
trackA (1333.2150, 2324.4150) (1334.2150, 2334.4150)
trackA (1333.2150, 2338.0750) (1334.2150, 2348.0750)
trackA (1333.2150, 2351.7350) (1334.2150, 2361.7350)
op_buffer (-4.0000, -72.3300) (-3.0000, -72.2200)
op_buffer (-4.0000, -59.6900) (-3.0000, -59.5800)
op_buffer (-4.0000, -54.3600) (-3.0000, -54.2500)
op_buffer (-4.0000, -41.7200) (-3.0000, -41.6100)
op_buffer (-2.6000, -72.3300) (-1.6000, -72.2200)
op_buffer (-2.6000, -59.6900) (-1.6000, -59.5800)
op_buffer (-2.6000, -54.3600) (-1.6000, -54.2500)
op_buffer (-2.6000, -41.7200) (-1.6000, -41.6100)
op_buffer (-1.2000, -72.3300) (-0.2000, -72.2200)
op_buffer (-1.2000, -59.6900) (-0.2000, -59.5800)
op_buffer (-1.2000, -54.3600) (-0.2000, -54.2500)
op_buffer (-1.2000, -41.7200) (-0.2000, -41.6100)
op_buffer (0.2000, -72.3300) (1.2000, -72.2200)
op_buffer (0.2000, -59.6900) (1.2000, -59.5800)
op_buffer (0.2000, -54.3600) (1.2000, -54.2500)
op_buffer (0.2000, -41.7200) (1.2000, -41.6100)
op_buffer (1.6000, -72.3300) (2.6000, -72.2200)
op_buffer (1.6000, -59.6900) (2.6000, -59.5800)
op_buffer (1.6000, -54.3600) (2.6000, -54.2500)
op_buffer (1.6000, -41.7200) (2.6000, -41.6100)
op_buffer (3.0000, -72.3300) (4.0000, -72.2200)
op_buffer (3.0000, -59.6900) (4.0000, -59.5800)
op_buffer (3.0000, -54.3600) (4.0000, -54.2500)
op_buffer (3.0000, -41.7200) (4.0000, -41.6100)
ppolyf_u_high_Rs_resistor$1 (10.0000, 0.0000) (10.1000, 1.0000)
ppolyf_u_high_Rs_resistor$1 (-0.1000, 0.0000) (0.0000, 1.0000)
ppolyf_u_high_Rs_resistor (5.0000, 0.0000) (5.1000, 1.0000)
ppolyf_u_high_Rs_resistor (-0.1000, 0.0000) (0.0000, 1.0000)

HRES.12 : P type Poly2 resistor (high sheet rho) shall be covered
by RES_MK marking.
RES_MK length shall be coincide with resistor length (Defined by Pplus
space)
and width covering the width of Poly2.

If the size of single RES_MK mark layer is greater than 15000 um2
and both sides (X and Y) are greater than 80 um, then the minimum
spacing to adjacent RES_MK layer >= 20
Checked in PRES.9

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3928:xor
- -
Structure (lower left x, y) (upper right x, y)
- -
op_buffer (3.0000, -41.7350) (4.0000, -41.7200)
op_buffer (3.0000, -54.2500) (4.0000, -54.2350)
op_buffer (3.0000, -59.7050) (4.0000, -59.6900)
op_buffer (3.0000, -72.2200) (4.0000, -72.2050)
op_buffer (1.6000, -41.7350) (2.6000, -41.7200)
op_buffer (1.6000, -54.2500) (2.6000, -54.2350)
op_buffer (1.6000, -59.7050) (2.6000, -59.6900)
op_buffer (1.6000, -72.2200) (2.6000, -72.2050)
op_buffer (0.2000, -41.7350) (1.2000, -41.7200)
op_buffer (0.2000, -54.2500) (1.2000, -54.2350)
op_buffer (0.2000, -59.7050) (1.2000, -59.6900)
op_buffer (0.2000, -72.2200) (1.2000, -72.2050)
op_buffer (-1.2000, -41.7350) (-0.2000, -41.7200)
op_buffer (-1.2000, -54.2500) (-0.2000, -54.2350)
op_buffer (-1.2000, -59.7050) (-0.2000, -59.6900)
op_buffer (-1.2000, -72.2200) (-0.2000, -72.2050)
op_buffer (-2.6000, -41.7350) (-1.6000, -41.7200)
op_buffer (-2.6000, -54.2500) (-1.6000, -54.2350)
op_buffer (-2.6000, -59.7050) (-1.6000, -59.6900)
op_buffer (-2.6000, -72.2200) (-1.6000, -72.2050)
op_buffer (-4.0000, -41.7350) (-3.0000, -41.7200)
op_buffer (-4.0000, -54.2500) (-3.0000, -54.2350)
op_buffer (-4.0000, -59.7050) (-3.0000, -59.6900)
op_buffer (-4.0000, -72.2200) (-3.0000, -72.2050)
ppolyf_u_high_Rs_resistor$1 (-0.6400, 0.0000) (10.6400, 1.0000)
ppolyf_u_high_Rs_resistor (-0.6400, 0.0000) (5.6400, 1.0000)

HRES.2 : Min width of Poly2 resistor = 1.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3880:internal1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

op_buffer (-4.0000, -72.8600) (-3.0700, -72.3470) 0.9300
op_buffer (-3.9300, -72.8600) (-3.0000, -72.3470) 0.9300
op_buffer (-3.9300, -72.8600) (-3.0700, -72.7150) 0.8600
op_buffer (-2.6000, -72.8600) (-1.6700, -72.3470) 0.9300
op_buffer (-2.5300, -72.8600) (-1.6000, -72.3470) 0.9300
op_buffer (-2.5300, -72.8600) (-1.6700, -72.7150) 0.8600
op_buffer (-1.2000, -72.8600) (-0.2700, -72.3470) 0.9300
op_buffer (-1.1300, -72.8600) (-0.2000, -72.3470) 0.9300
op_buffer (-1.1300, -72.8600) (-0.2700, -72.7150) 0.8600
op_buffer (0.2000, -72.8600) (1.1300, -72.3470) 0.9300
op_buffer (0.2700, -72.8600) (1.2000, -72.3470) 0.9300
op_buffer (0.2700, -72.8600) (1.1300, -72.7150) 0.8600
op_buffer (1.6000, -72.8600) (2.5300, -72.3470) 0.9300
op_buffer (1.6700, -72.8600) (2.6000, -72.3470) 0.9300
op_buffer (1.6700, -72.8600) (2.5300, -72.7150) 0.8600
op_buffer (3.0000, -72.8600) (3.9300, -72.3470) 0.9300
op_buffer (3.0700, -72.8600) (4.0000, -72.3470) 0.9300
op_buffer (3.0700, -72.8600) (3.9300, -72.7150) 0.8600
op_buffer (-3.9300, -59.5630) (-3.0000, -59.0500) 0.9300
op_buffer (-4.0000, -59.5630) (-3.0700, -59.0500) 0.9300
op_buffer (-3.9300, -59.1950) (-3.0700, -59.0500) 0.8600
op_buffer (-2.5300, -59.5630) (-1.6000, -59.0500) 0.9300
op_buffer (-2.6000, -59.5630) (-1.6700, -59.0500) 0.9300
op_buffer (-2.5300, -59.1950) (-1.6700, -59.0500) 0.8600
op_buffer (-1.1300, -59.5630) (-0.2000, -59.0500) 0.9300
op_buffer (-1.2000, -59.5630) (-0.2700, -59.0500) 0.9300
op_buffer (-1.1300, -59.1950) (-0.2700, -59.0500) 0.8600
op_buffer (0.2700, -59.5630) (1.2000, -59.0500) 0.9300
op_buffer (0.2000, -59.5630) (1.1300, -59.0500) 0.9300
op_buffer (0.2700, -59.1950) (1.1300, -59.0500) 0.8600
op_buffer (1.6700, -59.5630) (2.6000, -59.0500) 0.9300
op_buffer (1.6000, -59.5630) (2.5300, -59.0500) 0.9300
op_buffer (1.6700, -59.1950) (2.5300, -59.0500) 0.8600
op_buffer (3.0700, -59.5630) (4.0000, -59.0500) 0.9300
op_buffer (3.0000, -59.5630) (3.9300, -59.0500) 0.9300
op_buffer (3.0700, -59.1950) (3.9300, -59.0500) 0.8600
op_buffer (-4.0000, -54.8900) (-3.0700, -54.3770) 0.9300
op_buffer (-3.9300, -54.8900) (-3.0000, -54.3770) 0.9300
op_buffer (-3.9300, -54.8900) (-3.0700, -54.7450) 0.8600

op_buffer (-2.6000, -54.8900) (-1.6700, -54.3770) 0.9300
op_buffer (-2.5300, -54.8900) (-1.6000, -54.3770) 0.9300
op_buffer (-2.5300, -54.8900) (-1.6700, -54.7450) 0.8600
op_buffer (-1.2000, -54.8900) (-0.2700, -54.3770) 0.9300
op_buffer (-1.1300, -54.8900) (-0.2000, -54.3770) 0.9300
op_buffer (-1.1300, -54.8900) (-0.2700, -54.7450) 0.8600
op_buffer (0.2000, -54.8900) (1.1300, -54.3770) 0.9300
op_buffer (0.2700, -54.8900) (1.2000, -54.3770) 0.9300
op_buffer (0.2700, -54.8900) (1.1300, -54.7450) 0.8600
op_buffer (1.6000, -54.8900) (2.5300, -54.3770) 0.9300
op_buffer (1.6700, -54.8900) (2.6000, -54.3770) 0.9300
op_buffer (1.6700, -54.8900) (2.5300, -54.7450) 0.8600
op_buffer (3.0000, -54.8900) (3.9300, -54.3770) 0.9300
op_buffer (3.0700, -54.8900) (4.0000, -54.3770) 0.9300
op_buffer (3.0700, -54.8900) (3.9300, -54.7450) 0.8600
op_buffer (-3.9300, -41.5930) (-3.0000, -41.0800) 0.9300
op_buffer (-4.0000, -41.5930) (-3.0700, -41.0800) 0.9300
op_buffer (-3.9300, -41.2250) (-3.0700, -41.0800) 0.8600
op_buffer (-2.5300, -41.5930) (-1.6000, -41.0800) 0.9300
op_buffer (-2.6000, -41.5930) (-1.6700, -41.0800) 0.9300
op_buffer (-2.5300, -41.2250) (-1.6700, -41.0800) 0.8600
op_buffer (-1.1300, -41.5930) (-0.2000, -41.0800) 0.9300
op_buffer (-1.2000, -41.5930) (-0.2700, -41.0800) 0.9300
op_buffer (-1.1300, -41.2250) (-0.2700, -41.0800) 0.8600
op_buffer (0.2700, -41.5930) (1.2000, -41.0800) 0.9300
op_buffer (0.2000, -41.5930) (1.1300, -41.0800) 0.9300
op_buffer (0.2700, -41.2250) (1.1300, -41.0800) 0.8600
op_buffer (1.6700, -41.5930) (2.6000, -41.0800) 0.9300
op_buffer (1.6000, -41.5930) (2.5300, -41.0800) 0.9300
op_buffer (1.6700, -41.2250) (2.5300, -41.0800) 0.8600
op_buffer (3.0700, -41.5930) (4.0000, -41.0800) 0.9300
op_buffer (3.0000, -41.5930) (3.9300, -41.0800) 0.9300
op_buffer (3.0700, -41.2250) (3.9300, -41.0800) 0.8600

HRES.4 : Minimum RESISTOR overlap of Poly2 resistor = 0.4

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3887:enclose
- -
Structure (lower left x, y) (upper right x, y)
- -

op_buffer (-4.3310, -72.9400) (-3.5990, -72.7150)
op_buffer (-4.3310, -41.2250) (-3.5990, -41.0000)
op_buffer (-4.3220, -72.9400) (-2.6780, -72.8600)
op_buffer (-4.3220, -41.0800) (-2.6780, -41.0000)
op_buffer (-3.4010, -72.9400) (-2.6690, -72.7150)
op_buffer (-3.4010, -41.2250) (-2.6690, -41.0000)
op_buffer (-2.9310, -72.9400) (-2.1990, -72.7150)
op_buffer (-2.9310, -41.2250) (-2.1990, -41.0000)
op_buffer (-2.9220, -72.9400) (-1.2780, -72.8600)
op_buffer (-2.9220, -41.0800) (-1.2780, -41.0000)
op_buffer (-2.0010, -72.9400) (-1.2690, -72.7150)
op_buffer (-2.0010, -41.2250) (-1.2690, -41.0000)
op_buffer (-1.5310, -72.9400) (-0.7990, -72.7150)
op_buffer (-1.5310, -41.2250) (-0.7990, -41.0000)
op_buffer (-1.5220, -72.9400) (0.1220, -72.8600)
op_buffer (-1.5220, -41.0800) (0.1220, -41.0000)
op_buffer (-0.6010, -72.9400) (0.1310, -72.7150)
op_buffer (-0.6010, -41.2250) (0.1310, -41.0000)
op_buffer (-0.1310, -72.9400) (0.6010, -72.7150)
op_buffer (-0.1310, -41.2250) (0.6010, -41.0000)
op_buffer (-0.1220, -72.9400) (1.5220, -72.8600)
op_buffer (-0.1220, -41.0800) (1.5220, -41.0000)
op_buffer (0.7990, -72.9400) (1.5310, -72.7150)
op_buffer (0.7990, -41.2250) (1.5310, -41.0000)
op_buffer (1.2690, -72.9400) (2.0010, -72.7150)
op_buffer (1.2690, -41.2250) (2.0010, -41.0000)
op_buffer (1.2780, -72.9400) (2.9220, -72.8600)
op_buffer (1.2780, -41.0800) (2.9220, -41.0000)
op_buffer (2.1990, -72.9400) (2.9310, -72.7150)
op_buffer (2.1990, -41.2250) (2.9310, -41.0000)
op_buffer (2.6690, -72.9400) (3.4010, -72.7150)
op_buffer (2.6690, -41.2250) (3.4010, -41.0000)
op_buffer (2.6780, -72.9400) (4.3220, -72.8600)
op_buffer (2.6780, -41.0800) (4.3220, -41.0000)
op_buffer (3.5990, -72.9400) (4.3310, -72.7150)
op_buffer (3.5990, -41.2250) (4.3310, -41.0000)

HRES.7 : Minimum Pplus overlap of contact on Poly2 resistor = 0.2

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:3897:enclose

- -
Structure (lower left x, y) (upper right x, y)
- -
op_buffer (-3.9920, -72.9400) (-3.5080, -72.7900)
op_buffer (-3.9920, -59.1200) (-3.5080, -58.9700)
op_buffer (-3.9920, -54.9700) (-3.5080, -54.8200)
op_buffer (-3.9920, -41.1500) (-3.5080, -41.0000)
op_buffer (-3.4920, -72.9400) (-3.0080, -72.7900)
op_buffer (-3.4920, -59.1200) (-3.0080, -58.9700)
op_buffer (-3.4920, -54.9700) (-3.0080, -54.8200)
op_buffer (-3.4920, -41.1500) (-3.0080, -41.0000)
op_buffer (-2.5920, -72.9400) (-2.1080, -72.7900)
op_buffer (-2.5920, -59.1200) (-2.1080, -58.9700)
op_buffer (-2.5920, -54.9700) (-2.1080, -54.8200)
op_buffer (-2.5920, -41.1500) (-2.1080, -41.0000)
op_buffer (-2.0920, -72.9400) (-1.6080, -72.7900)
op_buffer (-2.0920, -59.1200) (-1.6080, -58.9700)
op_buffer (-2.0920, -54.9700) (-1.6080, -54.8200)
op_buffer (-2.0920, -41.1500) (-1.6080, -41.0000)
op_buffer (-1.1920, -72.9400) (-0.7080, -72.7900)
op_buffer (-1.1920, -59.1200) (-0.7080, -58.9700)
op_buffer (-1.1920, -54.9700) (-0.7080, -54.8200)
op_buffer (-1.1920, -41.1500) (-0.7080, -41.0000)
op_buffer (-0.6920, -72.9400) (-0.2080, -72.7900)
op_buffer (-0.6920, -59.1200) (-0.2080, -58.9700)
op_buffer (-0.6920, -54.9700) (-0.2080, -54.8200)
op_buffer (-0.6920, -41.1500) (-0.2080, -41.0000)
op_buffer (0.2080, -72.9400) (0.6920, -72.7900)
op_buffer (0.2080, -59.1200) (0.6920, -58.9700)
op_buffer (0.2080, -54.9700) (0.6920, -54.8200)
op_buffer (0.2080, -41.1500) (0.6920, -41.0000)
op_buffer (0.7080, -72.9400) (1.1920, -72.7900)
op_buffer (0.7080, -59.1200) (1.1920, -58.9700)
op_buffer (0.7080, -54.9700) (1.1920, -54.8200)
op_buffer (0.7080, -41.1500) (1.1920, -41.0000)
op_buffer (1.6080, -72.9400) (2.0920, -72.7900)
op_buffer (1.6080, -59.1200) (2.0920, -58.9700)
op_buffer (1.6080, -54.9700) (2.0920, -54.8200)
op_buffer (1.6080, -41.1500) (2.0920, -41.0000)
op_buffer (2.1080, -72.9400) (2.5920, -72.7900)
op_buffer (2.1080, -59.1200) (2.5920, -58.9700)
op_buffer (2.1080, -54.9700) (2.5920, -54.8200)
op_buffer (2.1080, -41.1500) (2.5920, -41.0000)
op_buffer (3.0080, -72.9400) (3.4920, -72.7900)

op_buffer (3.0080, -59.1200) (3.4920, -58.9700)
op_buffer (3.0080, -54.9700) (3.4920, -54.8200)
op_buffer (3.0080, -41.1500) (3.4920, -41.0000)
op_buffer (3.5080, -72.9400) (3.9920, -72.7900)
op_buffer (3.5080, -59.1200) (3.9920, -58.9700)
op_buffer (3.5080, -54.9700) (3.9920, -54.8200)
op_buffer (3.5080, -41.1500) (3.9920, -41.0000)

HVNESD.13(b) : Max. at least one or nearest source contact to gate
edge space (SCGS) <= 1

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:7058:not_interacting
- -
Structure   (lower left x, y) (upper right x, y)
- -
comp018green_out_drv_nleg_4T$1 (10.5500, 2.6600)   (11.5500, 40.6600)
comp018green_out_drv_nleg_4T$1 (1.0300, 2.6600)   (2.0300, 40.6600)

HVNESD.8(c) : Max. at least one or nearest drain contact to gate edge
space (DCGS) <= 4

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:7038:not_interacting
- -
Structure   (lower left x, y)   (upper right x, y)
- -
gf180mcu_fd_io__bi_t$1 (59.1100, 75.6900)   (63.1100, 113.6900)
gf180mcu_fd_io__bi_t$1 (46.8900, 75.6900)   (51.3700, 113.6900)
gf180mcu_fd_io__bi_t$1 (35.1500, 75.6900)   (39.6300, 113.6900)
gf180mcu_fd_io__bi_t$1 (23.4100, 75.6900)   (27.8900, 113.6900)
gf180mcu_fd_io__bi_t$1 (11.6700, 75.6900)   (15.6700, 113.6900)

HVPESD.11 : Source COMP must enclose by LVS_Source

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:7139:not
- -
Structure (lower left x, y) (upper right x, y)
- -
comp018green_out_drv_nleg_4T$1 (1.0300, 2.6600) (11.5500, 40.6600)

IO.0 : Guidelines : To flag I/O latch-up related violation:
(a) Non well tap COMP directly connected to PAD is recommended to
be marked by 'Latchup_MK' layer
(b) Min/max Latchup_MK layer overlap of COMP (directly connected to
Pad) = 0.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5629:xor
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (2049.9500, 2003.8300) (2054.0100, 2006.8300)
trackA (2054.7500, 2003.8300) (2058.8100, 2006.8300)
trackA (2059.5500, 2003.8300) (2063.6100, 2006.8300)
trackA (2064.3500, 2003.8300) (2068.4100, 2006.8300)
op_buffer (-37.6550, -36.7850) (-35.8750, -31.4850)
op_buffer (-37.6550, -22.5200) (-35.8750, -10.5200)
op_buffer (-37.6550, 0.1400) (-35.8750, 0.6400)
op_buffer (-37.6550, 9.6200) (-35.8750, 10.7500)
op_buffer (-35.1250, -36.7850) (-33.3450, -31.4850)
op_buffer (-35.1250, -22.5200) (-33.3450, -10.5200)
op_buffer (-35.1250, 0.1400) (-33.3450, 0.6400)
op_buffer (-35.1250, 9.6200) (-33.3450, 10.7500)
op_buffer (-32.5950, -36.7850) (-30.8150, -31.4850)
op_buffer (-32.5950, -22.5200) (-30.8150, -10.5200)
op_buffer (-32.5950, 0.1400) (-30.8150, 0.6400)
op_buffer (-32.5950, 9.6200) (-30.8150, 10.7500)
op_buffer (-30.0650, -36.7850) (-28.2850, -31.4850)
op_buffer (-30.0650, -22.5200) (-28.2850, -10.5200)
op_buffer (-30.0650, 0.1400) (-28.2850, 0.6400)
op_buffer (-30.0650, 9.6200) (-28.2850, 10.7500)
op_buffer (-27.5350, -36.7850) (-25.7550, -31.4850)
op_buffer (-27.5350, -22.5200) (-25.7550, -10.5200)
op_buffer (-25.0050, -36.7850) (-23.2250, -31.4850)

op_buffer (-25.0050, -22.5200) (-23.2250, -10.5200)
op_buffer (-22.4750, -36.7850) (-20.6950, -31.4850)
op_buffer (-22.4750, -22.5200) (-20.6950, -10.5200)
op_buffer (-19.9450, -36.7850) (-18.1650, -31.4850)
op_buffer (-19.9450, -22.5200) (-18.1650, -10.5200)

IO.1_a2 : For LV and MV
It should also be directly surrounded by an Nwell guard ring
(Non broken NCOMP ring inside Nwelll).
Nwell guard ring shall be connected to the most positive supply.
Max space of Nwell guard ring to the NCOMP in Psub directly
connected to I/O pad = 15

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5670:edge_size
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (2049.9450, 2003.8250) (2054.0150, 2006.8350)
trackA (2054.7450, 2003.8250) (2058.8150, 2006.8350)
trackA (2059.5450, 2003.8250) (2063.6150, 2006.8350)
trackA (2064.3450, 2003.8250) (2068.4150, 2006.8350)
op_buffer (-37.6600, -36.7900) (-35.8700, -31.4800)
op_buffer (-37.6600, 0.1350) (-35.8700, 0.6450)
op_buffer (-35.1300, -36.7900) (-33.3400, -31.4800)
op_buffer (-35.1300, 0.1350) (-33.3400, 0.6450)
op_buffer (-32.6000, -36.7900) (-30.8100, -31.4800)
op_buffer (-32.6000, 0.1350) (-30.8100, 0.6450)
op_buffer (-30.0700, -36.7900) (-28.2800, -31.4800)
op_buffer (-30.0700, 0.1350) (-28.2800, 0.6450)
op_buffer (-27.5400, -36.7900) (-25.7500, -31.4800)
op_buffer (-25.0100, -36.7900) (-23.2200, -31.4800)
op_buffer (-22.4800, -36.7900) (-20.6900, -31.4800)
op_buffer (-19.9500, -36.7900) (-18.1600, -31.4800)

IO.1_b : Within 15um from the edge of the NCOMP connected to I/O pad
(marked by Latchup_MK):
Max Nwell tap distance to PCOMP inside Nwell <= 2 (irrespective of
its direct connection to Pad)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5684:wide
- -
Structure (lower left x, y) (upper right x, y)
- -
op_buffer (-38.9450, -22.5250) (-38.5100, -16.5695)
op_buffer (-38.9450, -14.7755) (-38.5100, -10.5150)
op_buffer (-38.9450, 9.6150)   (-38.5100, 10.7550)
op_buffer (-37.6600, -22.5250) (-35.8700, -16.4850)
op_buffer (-37.6600, -14.8600) (-35.8700, -10.5150)
op_buffer (-37.6600, 9.6150)   (-35.8700, 10.7550)
op_buffer (-35.1300, -22.5250) (-33.3400, -16.4850)
op_buffer (-35.1300, -14.8600) (-33.3400, -10.5150)
op_buffer (-35.1300, 9.6150)   (-33.3400, 10.7550)
op_buffer (-32.6000, -22.5250) (-30.8100, -16.4850)
op_buffer (-32.6000, -14.8600) (-30.8100, -10.5150)
op_buffer (-32.6000, 9.6150)   (-30.8100, 10.7550)
op_buffer (-30.0700, -22.5250) (-28.2800, -16.4850)
op_buffer (-30.0700, -14.8600) (-28.2800, -10.5150)
op_buffer (-30.0700, 9.6150)   (-28.2800, 10.7550)
op_buffer (-27.5400, -22.5250) (-25.7500, -16.4850)
op_buffer (-27.5400, -14.7860) (-25.7500, -10.5150)
op_buffer (-27.4300, 9.6150)   (-26.9950, 10.7550)
op_buffer (-25.0100, -22.5250) (-23.2200, -16.4850)
op_buffer (-25.0100, -14.4645) (-23.2200, -10.5150)
op_buffer (-22.4800, -22.5250) (-20.6900, -16.4850)
op_buffer (-22.4800, -13.6810) (-20.6900, -10.5150)
op_buffer (-19.9500, -22.5250) (-18.1600, -16.4850)
op_buffer (-19.9500, -12.3265) (-18.1600, -10.5150)
op_buffer (-17.3100, -22.5250) (-16.8750, -16.5695)

IO.3_a2 : For LV and MV
It should also be directly surrounded by PCOMP guard ring outside Nwell.
PCOMP guardring shall be connected to the lowest potential.
Max space of guard ring PCOMP to the PCOMP in Nwell directly connected
to the I/O pad = 15

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5734:edge_size

- -
Structure (lower left x, y) (upper right x, y)
- -
op_buffer (-37.6600, -22.5250) (-35.8700, -10.5150)
op_buffer (-37.6600, 9.6150)   (-35.8700, 10.7550)
op_buffer (-35.1300, -22.5250) (-33.3400, -10.5150)
op_buffer (-35.1300, 9.6150)   (-33.3400, 10.7550)
op_buffer (-32.6000, -22.5250) (-30.8100, -10.5150)
op_buffer (-32.6000, 9.6150)   (-30.8100, 10.7550)
op_buffer (-30.0700, -22.5250) (-28.2800, -10.5150)
op_buffer (-30.0700, 9.6150)   (-28.2800, 10.7550)
op_buffer (-27.5400, -22.5250) (-25.7500, -10.5150)
op_buffer (-25.0100, -22.5250) (-23.2200, -10.5150)
op_buffer (-22.4800, -22.5250) (-20.6900, -10.5150)
op_buffer (-19.9500, -22.5250) (-18.1600, -10.5150)

IO.3_b : For LV and MV
Within 10um from the edge of the PCOMP connected to I/O Pad (marked
by Latchup_MK):
Max P substrate tap distance to NCOMP outside Nwell <= 5.0 (irrespective
of its direct connection to Pad)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:5746:wide
- -
Structure (lower left x, y) (upper right x, y)
- -
op_buffer (-35.8800, -32.5200) (-35.8700, -32.0250)
op_buffer (-35.1300, -32.5200) (-35.1200, -32.0250)
op_buffer (-33.3500, -32.5200) (-33.3400, -32.0250)
op_buffer (-32.6000, -32.5200) (-32.5900, -32.0250)
op_buffer (-30.8200, -32.5200) (-30.8100, -32.0250)
op_buffer (-30.0700, -32.5200) (-30.0600, -32.0250)
op_buffer (-28.2900, -32.5200) (-28.2800, -32.0250)
op_buffer (-27.5400, -32.5200) (-27.5300, -32.0250)
op_buffer (-25.7600, -32.5200) (-25.7500, -32.0250)
op_buffer (-25.0100, -32.5200) (-25.0000, -32.0250)
op_buffer (-23.2300, -32.5200) (-23.2200, -32.0250)
op_buffer (-22.4800, -32.5200) (-22.4700, -32.0250)
op_buffer (-20.7000, -32.5200) (-20.6900, -32.0250)
op_buffer (-19.9500, -32.5200) (-19.9400, -32.0250)

LPW.12 : LVPWELL cannot overlap with Nwell

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2021:and
- -
Structure (lower left x, y) (upper right x, y)
- -
transformed_9f8db47f (-18.0350, -7.9850) (18.0350, 7.9850)
transformed_729ded33 (-18.0350, -7.9850) (18.0350, 7.9850)

LU.3a_MV_LU.3b_MV_LU.3c_MV : Max. Psub tap outside (DNWELL and YMTP_MK) space to any point in the boundary of Ncomp outside Nwell/DNWELL =
15 (MV)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5418:coincident_edge
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1598.8600, 2332.4700) (1599.1200, 2332.4700)
trackA (1599.1200, 2330.2700) (1599.1200, 2332.4700)
trackA (1598.8600, 2330.2700) (1599.1200, 2330.2700)
trackA (1598.8600, 2337.7000) (1599.1200, 2337.7000)
trackA (1599.1200, 2335.5000) (1599.1200, 2337.7000)
trackA (1598.8600, 2335.5000) (1599.1200, 2335.5000)
trackA (1602.4100, 2330.2700) (1602.6700, 2330.2700)
trackA (1602.4100, 2330.2700) (1602.4100, 2332.4700)
trackA (1602.4100, 2332.4700) (1602.6700, 2332.4700)
trackA (1602.4100, 2335.5000) (1602.6700, 2335.5000)
trackA (1602.4100, 2335.5000) (1602.4100, 2337.7000)
trackA (1602.4100, 2337.7000) (1602.6700, 2337.7000)
trackA (1588.3700, 2147.0100) (1589.7300, 2147.0100)
trackA (1589.7300, 2145.2100) (1589.7300, 2147.0100)
trackA (1588.3700, 2145.2100) (1589.7300, 2145.2100)
trackA (1588.3700, 2151.8400) (1589.7300, 2151.8400)
trackA (1589.7300, 2150.0400) (1589.7300, 2151.8400)
trackA (1588.3700, 2150.0400) (1589.7300, 2150.0400)

trackA (1588.3700, 2156.6700) (1589.7300, 2156.6700)
trackA (1589.7300, 2154.8700) (1589.7300, 2156.6700)
trackA (1588.3700, 2154.8700) (1589.7300, 2154.8700)
trackA (1588.3700, 2161.5000) (1589.7300, 2161.5000)
trackA (1589.7300, 2159.7000) (1589.7300, 2161.5000)
trackA (1588.3700, 2159.7000) (1589.7300, 2159.7000)
trackA (1588.8100, 2092.2900) (1589.0700, 2092.2900)
trackA (1589.0700, 2090.0900) (1589.0700, 2092.2900)
trackA (1588.8100, 2090.0900) (1589.0700, 2090.0900)
trackA (1588.8100, 2097.5200) (1589.0700, 2097.5200)
trackA (1589.0700, 2095.3200) (1589.0700, 2097.5200)
trackA (1588.8100, 2095.3200) (1589.0700, 2095.3200)
trackA (1592.3600, 2090.0900) (1592.6200, 2090.0900)
trackA (1592.3600, 2090.0900) (1592.3600, 2092.2900)
trackA (1592.3600, 2092.2900) (1592.6200, 2092.2900)
trackA (1592.3600, 2095.3200) (1592.6200, 2095.3200)
trackA (1592.3600, 2095.3200) (1592.3600, 2097.5200)
trackA (1592.3600, 2097.5200) (1592.6200, 2097.5200)
trackA (1593.0200, 2145.2100) (1594.3800, 2145.2100)
trackA (1593.0200, 2145.2100) (1593.0200, 2147.0100)
trackA (1593.0200, 2147.0100) (1594.3800, 2147.0100)
trackA (1593.0200, 2150.0400) (1594.3800, 2150.0400)
trackA (1593.0200, 2150.0400) (1593.0200, 2151.8400)
trackA (1593.0200, 2151.8400) (1594.3800, 2151.8400)
trackA (1593.0200, 2154.8700) (1594.3800, 2154.8700)
trackA (1593.0200, 2154.8700) (1593.0200, 2156.6700)
trackA (1593.0200, 2156.6700) (1594.3800, 2156.6700)
trackA (1593.0200, 2159.7000) (1594.3800, 2159.7000)
trackA (1593.0200, 2159.7000) (1593.0200, 2161.5000)
trackA (1593.0200, 2161.5000) (1594.3800, 2161.5000)

LU.4a_LV : Max. Nwell tap outside DNWELL space to any point in the
boundary of Pcomp inside Nwell = 50 (LV)
For Nwell to Ncomp space outside DNWELL >= 2.0um

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5443:coincident_edge
- -
Structure (lower left x, y) (upper right x, y)
- -
transformed_9f8db47f (-16.3900, 0.5750) (-14.6500, 0.5750)

transformed_9f8db47f (-14.6500, -4.4250) (-14.6500, 0.5750)
transformed_9f8db47f (-16.3900, -4.4250) (-14.6500, -4.4250)
transformed_9f8db47f (-16.3900, -4.4250) (-16.3900, 0.5750)
transformed_9f8db47f (-13.7900, 0.5750) (-7.4500, 0.5750)
transformed_9f8db47f (-7.4500, -4.4250) (-7.4500, 0.5750)
transformed_9f8db47f (-13.7900, -4.4250) (-7.4500, -4.4250)
transformed_9f8db47f (-13.7900, -4.4250) (-13.7900, 0.5750)
transformed_9f8db47f (-6.7100, 0.5750)   (-0.3700, 0.5750)
transformed_9f8db47f (-0.3700, -4.4250) (-0.3700, 0.5750)
transformed_9f8db47f (-6.7100, -4.4250) (-0.3700, -4.4250)
transformed_9f8db47f (-6.7100, -4.4250) (-6.7100, 0.5750)
transformed_9f8db47f (0.3700, 0.5750)   (6.7100, 0.5750)
transformed_9f8db47f (6.7100, -4.4250)   (6.7100, 0.5750)
transformed_9f8db47f (0.3700, -4.4250)   (6.7100, -4.4250)
transformed_9f8db47f (0.3700, -4.4250)   (0.3700, 0.5750)
transformed_9f8db47f (7.4500, 0.5750)   (13.7900, 0.5750)
transformed_9f8db47f (13.7900, -4.4250) (13.7900, 0.5750)
transformed_9f8db47f (7.4500, -4.4250)   (13.7900, -4.4250)
transformed_9f8db47f (7.4500, -4.4250)   (7.4500, 0.5750)
transformed_9f8db47f (14.6500, 0.5750)   (16.3900, 0.5750)
transformed_9f8db47f (16.3900, -4.4250) (16.3900, 0.5750)
transformed_9f8db47f (14.6500, -4.4250) (16.3900, -4.4250)
transformed_9f8db47f (14.6500, -4.4250) (14.6500, 0.5750)
transformed_729ded33 (-16.3900, 0.5750) (-14.6500, 0.5750)
transformed_729ded33 (-14.6500, -4.4250) (-14.6500, 0.5750)
transformed_729ded33 (-16.3900, -4.4250) (-14.6500, -4.4250)
transformed_729ded33 (-16.3900, -4.4250) (-16.3900, 0.5750)
transformed_729ded33 (-13.7900, 0.5750) (-7.4500, 0.5750)
transformed_729ded33 (-7.4500, -4.4250) (-7.4500, 0.5750)
transformed_729ded33 (-13.7900, -4.4250) (-7.4500, -4.4250)
transformed_729ded33 (-13.7900, -4.4250) (-13.7900, 0.5750)
transformed_729ded33 (-6.7100, 0.5750)   (-0.3700, 0.5750)
transformed_729ded33 (-0.3700, -4.4250) (-0.3700, 0.5750)
transformed_729ded33 (-6.7100, -4.4250) (-0.3700, -4.4250)
transformed_729ded33 (-6.7100, -4.4250) (-6.7100, 0.5750)
transformed_729ded33 (0.3700, 0.5750)   (6.7100, 0.5750)
transformed_729ded33 (6.7100, -4.4250)   (6.7100, 0.5750)
transformed_729ded33 (0.3700, -4.4250)   (6.7100, -4.4250)
transformed_729ded33 (0.3700, -4.4250)   (0.3700, 0.5750)
transformed_729ded33 (7.4500, 0.5750)   (13.7900, 0.5750)
transformed_729ded33 (13.7900, -4.4250) (13.7900, 0.5750)
transformed_729ded33 (7.4500, -4.4250)   (13.7900, -4.4250)
transformed_729ded33 (7.4500, -4.4250)   (7.4500, 0.5750)
transformed_729ded33 (14.6500, 0.5750)   (16.3900, 0.5750)

transformed_729ded33 (16.3900, -4.4250) (16.3900, 0.5750)
transformed_729ded33 (14.6500, -4.4250) (16.3900, -4.4250)
transformed_729ded33 (14.6500, -4.4250) (14.6500, 0.5750)

LU.4a_MV_LU.4b_MV_LU.4c_MV : Max. Nwell tap outside DNWELL space to
any point in the boundary of Pcomp inside Nwell = 15 (MV)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:5481:coincident_edge
- -
Structure (lower left x, y)   (upper right x, y)
- -
trackA   (1787.7300, 2581.2850) (1789.1100, 2581.2850)
trackA   (1789.1100, 2580.3850) (1789.1100, 2581.2850)
trackA   (1787.7300, 2580.3850) (1789.1100, 2580.3850)
trackA   (1787.7300, 2580.3850) (1787.7300, 2581.2850)
trackA   (1796.7650, 2581.3050) (1798.1450, 2581.3050)
trackA   (1798.1450, 2580.4050) (1798.1450, 2581.3050)
trackA   (1796.7650, 2580.4050) (1798.1450, 2580.4050)
trackA   (1796.7650, 2580.4050) (1796.7650, 2581.3050)
trackA   (1621.1550, 2209.5850) (1625.0950, 2209.5850)
trackA   (1621.1550, 2211.5850) (1625.0950, 2211.5850)
trackA   (1621.1550, 2214.6150) (1625.0950, 2214.6150)
trackA   (1621.1550, 2216.6150) (1625.0950, 2216.6150)
trackA   (1621.1550, 2219.6450) (1625.0950, 2219.6450)
trackA   (1621.1550, 2221.6450) (1625.0950, 2221.6450)
trackA   (1621.1550, 2224.6750) (1625.0950, 2224.6750)
trackA   (1621.1550, 2226.6750) (1625.0950, 2226.6750)
trackA   (1621.1550, 2229.7050) (1625.0950, 2229.7050)
trackA   (1621.1550, 2231.7050) (1625.0950, 2231.7050)
trackA   (1621.1550, 2234.7350) (1625.0950, 2234.7350)
trackA   (1621.1550, 2236.7350) (1625.0950, 2236.7350)
trackA   (1621.1550, 2239.7650) (1625.0950, 2239.7650)
trackA   (1621.1550, 2241.7650) (1625.0950, 2241.7650)
trackA   (1621.1550, 2244.7950) (1625.0950, 2244.7950)
trackA   (1621.1550, 2246.7950) (1625.0950, 2246.7950)
trackA   (1621.1550, 2249.8250) (1625.0950, 2249.8250)
trackA   (1621.1550, 2251.8250) (1625.0950, 2251.8250)
trackA   (1621.1550, 2254.8550) (1625.0950, 2254.8550)
trackA   (1621.1550, 2256.8550) (1625.0950, 2256.8550)
trackA   (1621.1550, 2259.8850) (1625.0950, 2259.8850)

trackA (1621.1550, 2261.8850) (1625.0950, 2261.8850)
trackA (1621.1550, 2264.9150) (1625.0950, 2264.9150)
trackA (1621.1550, 2266.9150) (1625.0950, 2266.9150)
trackA (1630.7400, 2136.7500) (1635.8100, 2136.7500)
trackA (1635.8100, 2134.7500) (1635.8100, 2136.7500)
trackA (1630.7400, 2134.7500) (1635.8100, 2134.7500)
trackA (1630.7400, 2141.7800) (1635.8100, 2141.7800)
trackA (1635.8100, 2139.7800) (1635.8100, 2141.7800)
trackA (1630.7400, 2139.7800) (1635.8100, 2139.7800)
trackA (1630.7400, 2146.8100) (1635.8100, 2146.8100)
trackA (1635.8100, 2144.8100) (1635.8100, 2146.8100)
trackA (1630.7400, 2144.8100) (1635.8100, 2144.8100)
trackA (1630.7400, 2151.8400) (1635.8100, 2151.8400)
trackA (1635.8100, 2149.8400) (1635.8100, 2151.8400)
trackA (1630.7400, 2149.8400) (1635.8100, 2149.8400)
trackA (1630.7400, 2156.8700) (1635.8100, 2156.8700)
trackA (1635.8100, 2154.8700) (1635.8100, 2156.8700)
trackA (1630.7400, 2154.8700) (1635.8100, 2154.8700)
trackA (1630.7400, 2161.9000) (1635.8100, 2161.9000)
trackA (1635.8100, 2159.9000) (1635.8100, 2161.9000)
trackA (1630.7400, 2159.9000) (1635.8100, 2159.9000)
trackA (1630.7400, 2166.9300) (1635.8100, 2166.9300)
trackA (1635.8100, 2164.9300) (1635.8100, 2166.9300)
trackA (1630.7400, 2164.9300) (1635.8100, 2164.9300)
trackA (1630.7400, 2171.9600) (1635.8100, 2171.9600)
trackA (1635.8100, 2169.9600) (1635.8100, 2171.9600)
trackA (1630.7400, 2169.9600) (1635.8100, 2169.9600)
trackA (1639.1100, 2134.7500) (1644.1800, 2134.7500)
trackA (1639.1100, 2134.7500) (1639.1100, 2136.7500)
trackA (1639.1100, 2136.7500) (1644.1800, 2136.7500)
trackA (1639.1100, 2139.7800) (1644.1800, 2139.7800)
trackA (1639.1100, 2139.7800) (1639.1100, 2141.7800)
trackA (1639.1100, 2141.7800) (1644.1800, 2141.7800)
trackA (1639.1100, 2144.8100) (1644.1800, 2144.8100)
trackA (1639.1100, 2144.8100) (1639.1100, 2146.8100)
trackA (1639.1100, 2146.8100) (1644.1800, 2146.8100)
trackA (1639.1100, 2149.8400) (1644.1800, 2149.8400)
trackA (1639.1100, 2149.8400) (1639.1100, 2151.8400)
trackA (1639.1100, 2151.8400) (1644.1800, 2151.8400)
trackA (1639.1100, 2154.8700) (1644.1800, 2154.8700)
trackA (1639.1100, 2154.8700) (1639.1100, 2156.8700)
trackA (1639.1100, 2156.8700) (1644.1800, 2156.8700)
trackA (1639.1100, 2159.9000) (1644.1800, 2159.9000)
trackA (1639.1100, 2159.9000) (1639.1100, 2161.9000)

trackA (1639.1100, 2161.9000) (1644.1800, 2161.9000)
trackA (1639.1100, 2164.9300) (1644.1800, 2164.9300)
trackA (1639.1100, 2164.9300) (1639.1100, 2166.9300)
trackA (1639.1100, 2166.9300) (1644.1800, 2166.9300)
trackA (1639.1100, 2169.9600) (1644.1800, 2169.9600)
trackA (1639.1100, 2169.9600) (1639.1100, 2171.9600)
trackA (1639.1100, 2171.9600) (1644.1800, 2171.9600)

M1.1 : Metal1 minimum width : 0.23

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1808:internal1

WARNING: The error count of 128 for this check exceeds the limit set in
the runset. Details only available for the first 100.

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (1394.2300, 2367.9750) (1394.3950, 2368.1350) 0.1725
trackA (1394.2300, 2367.9750) (1394.2950, 2368.1960) 0.1725
trackA (1394.1300, 2367.9750) (1394.2950, 2368.1350) 0.1725
trackA (1394.2300, 2367.9140) (1394.2950, 2368.1350) 0.1725
trackA (1290.5200, 2388.3750) (1290.6800, 2388.5400) 0.1605
trackA (1290.4500, 2388.3750) (1290.6800, 2388.3850) 0.1605
trackA (1290.5200, 2388.2200) (1290.6800, 2388.3850) 0.1605
trackA (1290.5200, 2388.3750) (1290.7500, 2388.3850) 0.1605
trackA (1295.5200, 2388.3750) (1295.6800, 2388.5400) 0.1605
trackA (1295.4500, 2388.3750) (1295.6800, 2388.3850) 0.1605
trackA (1295.5200, 2388.2200) (1295.6800, 2388.3850) 0.1605
trackA (1295.5200, 2388.3750) (1295.7500, 2388.3850) 0.1605
trackA (1300.5200, 2388.3750) (1300.6800, 2388.5400) 0.1605
trackA (1300.4500, 2388.3750) (1300.6800, 2388.3850) 0.1605
trackA (1300.5200, 2388.2200) (1300.6800, 2388.3850) 0.1605
trackA (1300.5200, 2388.3750) (1300.7500, 2388.3850) 0.1605
trackA (1394.2300, 2389.7950) (1394.4420, 2389.8850) 0.1110
trackA (1394.2300, 2389.7950) (1394.2950, 2390.0160) 0.1110
trackA (1394.0830, 2389.7950) (1394.2950, 2389.8850) 0.1110
trackA (1394.2300, 2389.6640) (1394.2950, 2389.8850) 0.1110
trackA (1290.5200, 2394.3450) (1290.6800, 2394.5100) 0.1605
trackA (1290.4500, 2394.3450) (1290.6800, 2394.3550) 0.1605
trackA (1290.5200, 2394.1900) (1290.6800, 2394.3550) 0.1605

trackA (1290.5200, 2394.3450) (1290.7500, 2394.3550) 0.1605
trackA (1290.5200, 2400.3150) (1290.6800, 2400.4800) 0.1605
trackA (1290.4500, 2400.3150) (1290.6800, 2400.3250) 0.1605
trackA (1290.5200, 2400.1600) (1290.6800, 2400.3250) 0.1605
trackA (1290.5200, 2400.3150) (1290.7500, 2400.3250) 0.1605
trackA (1295.5200, 2394.3450) (1295.6800, 2394.5100) 0.1605
trackA (1295.4500, 2394.3450) (1295.6800, 2394.3550) 0.1605
trackA (1295.5200, 2394.1900) (1295.6800, 2394.3550) 0.1605
trackA (1295.5200, 2394.3450) (1295.7500, 2394.3550) 0.1605
trackA (1300.5200, 2394.3450) (1300.6800, 2394.5100) 0.1605
trackA (1300.4500, 2394.3450) (1300.6800, 2394.3550) 0.1605
trackA (1300.5200, 2394.1900) (1300.6800, 2394.3550) 0.1605
trackA (1300.5200, 2394.3450) (1300.7500, 2394.3550) 0.1605
trackA (1295.5200, 2400.3150) (1295.6800, 2400.4800) 0.1605
trackA (1295.4500, 2400.3150) (1295.6800, 2400.3250) 0.1605
trackA (1295.5200, 2400.1600) (1295.6800, 2400.3250) 0.1605
trackA (1295.5200, 2400.3150) (1295.7500, 2400.3250) 0.1605
trackA (1300.5200, 2400.3150) (1300.6800, 2400.4800) 0.1605
trackA (1300.4500, 2400.3150) (1300.6800, 2400.3250) 0.1605
trackA (1300.5200, 2400.1600) (1300.6800, 2400.3250) 0.1605
trackA (1300.5200, 2400.3150) (1300.7500, 2400.3250) 0.1605
trackA (1313.1100, 2400.3150) (1313.1600, 2400.5390) 0.0510
trackA (1312.9300, 2400.3150) (1313.1600, 2400.3250) 0.0510
trackA (1313.1100, 2400.1010) (1313.1600, 2400.3250) 0.0510
trackA (1313.1100, 2400.3150) (1313.3400, 2400.3250) 0.0510
trackA (1319.8600, 2400.3150) (1319.9100, 2400.5390) 0.0510
trackA (1319.6800, 2400.3150) (1319.9100, 2400.3250) 0.0510
trackA (1319.8600, 2400.1010) (1319.9100, 2400.3250) 0.0510
trackA (1319.8600, 2400.3150) (1320.0900, 2400.3250) 0.0510
trackA (1326.6100, 2400.3150) (1326.6600, 2400.5390) 0.0510
trackA (1326.4300, 2400.3150) (1326.6600, 2400.3250) 0.0510
trackA (1326.6100, 2400.1010) (1326.6600, 2400.3250) 0.0510
trackA (1326.6100, 2400.3150) (1326.8400, 2400.3250) 0.0510
trackA (1290.5200, 2406.2850) (1290.6800, 2406.4500) 0.1605
trackA (1290.4500, 2406.2850) (1290.6800, 2406.2950) 0.1605
trackA (1290.5200, 2406.1300) (1290.6800, 2406.2950) 0.1605
trackA (1290.5200, 2406.2850) (1290.7500, 2406.2950) 0.1605
trackA (1290.5200, 2412.2550) (1290.6800, 2412.4200) 0.1605
trackA (1290.4500, 2412.2550) (1290.6800, 2412.2650) 0.1605
trackA (1290.5200, 2412.1000) (1290.6800, 2412.2650) 0.1605
trackA (1290.5200, 2412.2550) (1290.7500, 2412.2650) 0.1605
trackA (1295.5200, 2406.2850) (1295.6800, 2406.4500) 0.1605
trackA (1295.4500, 2406.2850) (1295.6800, 2406.2950) 0.1605
trackA (1295.5200, 2406.1300) (1295.6800, 2406.2950) 0.1605

trackA (1295.5200, 2406.2850) (1295.7500, 2406.2950) 0.1605
trackA (1300.5200, 2406.2850) (1300.6800, 2406.4500) 0.1605
trackA (1300.4500, 2406.2850) (1300.6800, 2406.2950) 0.1605
trackA (1300.5200, 2406.1300) (1300.6800, 2406.2950) 0.1605
trackA (1300.5200, 2406.2850) (1300.7500, 2406.2950) 0.1605
trackA (1295.5200, 2412.2550) (1295.6800, 2412.4200) 0.1605
trackA (1295.4500, 2412.2550) (1295.6800, 2412.2650) 0.1605
trackA (1295.5200, 2412.1000) (1295.6800, 2412.2650) 0.1605
trackA (1295.5200, 2412.2550) (1295.7500, 2412.2650) 0.1605
trackA (1300.5200, 2412.2550) (1300.6800, 2412.4200) 0.1605
trackA (1300.4500, 2412.2550) (1300.6800, 2412.2650) 0.1605
trackA (1300.5200, 2412.1000) (1300.6800, 2412.2650) 0.1605
trackA (1300.5200, 2412.2550) (1300.7500, 2412.2650) 0.1605
trackA (1290.5200, 2418.2250) (1290.6800, 2418.3900) 0.1605
trackA (1290.4500, 2418.2250) (1290.6800, 2418.2350) 0.1605
trackA (1290.5200, 2418.0700) (1290.6800, 2418.2350) 0.1605
trackA (1290.5200, 2418.2250) (1290.7500, 2418.2350) 0.1605
trackA (1295.5200, 2418.2250) (1295.6800, 2418.3900) 0.1605
trackA (1295.4500, 2418.2250) (1295.6800, 2418.2350) 0.1605
trackA (1295.5200, 2418.0700) (1295.6800, 2418.2350) 0.1605
trackA (1295.5200, 2418.2250) (1295.7500, 2418.2350) 0.1605
trackA (1300.5200, 2418.2250) (1300.6800, 2418.3900) 0.1605
trackA (1300.4500, 2418.2250) (1300.6800, 2418.2350) 0.1605
trackA (1300.5200, 2418.0700) (1300.6800, 2418.2350) 0.1605
trackA (1300.5200, 2418.2250) (1300.7500, 2418.2350) 0.1605
trackA (1313.1100, 2406.2850) (1313.1600, 2406.5090) 0.0510
trackA (1312.9300, 2406.2850) (1313.1600, 2406.2950) 0.0510
trackA (1313.1100, 2406.0710) (1313.1600, 2406.2950) 0.0510
trackA (1313.1100, 2406.2850) (1313.3400, 2406.2950) 0.0510
trackA (1319.8600, 2406.2850) (1319.9100, 2406.5090) 0.0510
trackA (1319.6800, 2406.2850) (1319.9100, 2406.2950) 0.0510
trackA (1319.8600, 2406.0710) (1319.9100, 2406.2950) 0.0510
trackA (1319.8600, 2406.2850) (1320.0900, 2406.2950) 0.0510

M1.2a : Metal1 minimum space : 0.23

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1818:external1

WARNING: The error count of 301 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure	(lower left x, y)	(upper right x, y)	Distance
trackA	(1417.8720, 2363.6550)	(1418.0150, 2363.8350)	0.1800
trackA	(1417.8720, 2364.3850)	(1418.0150, 2364.5650)	0.1800
trackA	(1425.1750, 2363.6550)	(1425.3180, 2363.8350)	0.1800
trackA	(1427.7120, 2363.6550)	(1427.8550, 2363.8350)	0.1800
trackA	(1425.1750, 2364.3850)	(1425.3180, 2364.5650)	0.1800
trackA	(1427.7120, 2364.3850)	(1427.8550, 2364.5650)	0.1800
trackA	(1425.1750, 2364.9450)	(1425.2420, 2365.1650)	0.2200
trackA	(1423.4830, 2364.9450)	(1423.5500, 2365.1650)	0.2200
trackA	(1433.3230, 2364.9450)	(1433.3900, 2365.1650)	0.2200
trackA	(1417.8720, 2371.2650)	(1418.0150, 2371.4450)	0.1800
trackA	(1417.8720, 2371.9950)	(1418.0150, 2372.1750)	0.1800
trackA	(1425.1750, 2371.2650)	(1425.3180, 2371.4450)	0.1800
trackA	(1427.7120, 2371.2650)	(1427.8550, 2371.4450)	0.1800
trackA	(1425.1750, 2371.9950)	(1425.3180, 2372.1750)	0.1800
trackA	(1427.7120, 2371.9950)	(1427.8550, 2372.1750)	0.1800
trackA	(1425.1750, 2372.5550)	(1425.2420, 2372.7750)	0.2200
trackA	(1423.4830, 2372.5550)	(1423.5500, 2372.7750)	0.2200
trackA	(1433.3230, 2372.5550)	(1433.3900, 2372.7750)	0.2200
trackA	(1434.8300, 2363.6550)	(1434.9730, 2363.8350)	0.1800
trackA	(1434.8300, 2364.3850)	(1434.9730, 2364.5650)	0.1800
trackA	(1434.8300, 2364.9450)	(1434.8970, 2365.1650)	0.2200
trackA	(1437.5520, 2363.6550)	(1437.6950, 2363.8350)	0.1800
trackA	(1437.5520, 2364.3850)	(1437.6950, 2364.5650)	0.1800
trackA	(1444.6700, 2363.6550)	(1444.8130, 2363.8350)	0.1800
trackA	(1445.2670, 2363.6550)	(1445.4100, 2363.8350)	0.1800
trackA	(1444.6700, 2364.3850)	(1444.8130, 2364.5650)	0.1800
trackA	(1445.2670, 2364.3850)	(1445.4100, 2364.5650)	0.1800
trackA	(1444.6700, 2364.9450)	(1444.7370, 2365.1650)	0.2200
trackA	(1443.1630, 2364.9450)	(1443.2300, 2365.1650)	0.2200
trackA	(1452.3850, 2363.6550)	(1452.5280, 2363.8350)	0.1800
trackA	(1452.3850, 2364.3850)	(1452.5280, 2364.5650)	0.1800
trackA	(1454.2300, 2364.9450)	(1454.2970, 2365.1650)	0.2200
trackA	(1453.0030, 2364.9450)	(1453.0700, 2365.1650)	0.2200
trackA	(1434.8300, 2371.2650)	(1434.9730, 2371.4450)	0.1800
trackA	(1434.8300, 2371.9950)	(1434.9730, 2372.1750)	0.1800
trackA	(1437.5520, 2371.2650)	(1437.6950, 2371.4450)	0.1800
trackA	(1437.5520, 2371.9950)	(1437.6950, 2372.1750)	0.1800
trackA	(1435.3900, 2372.5550)	(1435.4570, 2372.7750)	0.2200
trackA	(1444.6700, 2371.2650)	(1444.8130, 2371.4450)	0.1800

trackA (1445.2670, 2371.2650) (1445.4100, 2371.4450) 0.1800
trackA (1444.6700, 2371.9950) (1444.8130, 2372.1750) 0.1800
trackA (1445.2670, 2371.9950) (1445.4100, 2372.1750) 0.1800
trackA (1445.2300, 2372.5550) (1445.2970, 2372.7750) 0.2200
trackA (1443.1630, 2372.5550) (1443.2300, 2372.7750) 0.2200
trackA (1452.3850, 2371.2650) (1452.5280, 2371.4450) 0.1800
trackA (1452.3850, 2371.9950) (1452.5280, 2372.1750) 0.1800
trackA (1454.2300, 2372.5550) (1454.2970, 2372.7750) 0.2200
trackA (1453.0030, 2372.5550) (1453.0700, 2372.7750) 0.2200
trackA (1290.3040, 2387.9250) (1290.5200, 2388.0050) 0.0800
trackA (1290.6800, 2387.9250) (1290.8960, 2388.0050) 0.0800
trackA (1290.3040, 2388.6350) (1290.5200, 2388.7150) 0.0800
trackA (1290.6800, 2388.6350) (1290.8960, 2388.7150) 0.0800
trackA (1295.3040, 2387.9250) (1295.5200, 2388.0050) 0.0800
trackA (1295.6800, 2387.9250) (1295.8960, 2388.0050) 0.0800
trackA (1295.3040, 2388.6350) (1295.5200, 2388.7150) 0.0800
trackA (1295.6800, 2388.6350) (1295.8960, 2388.7150) 0.0800
trackA (1300.3040, 2387.9250) (1300.5200, 2388.0050) 0.0800
trackA (1300.6800, 2387.9250) (1300.8960, 2388.0050) 0.0800
trackA (1300.3040, 2388.6350) (1300.5200, 2388.7150) 0.0800
trackA (1300.6800, 2388.6350) (1300.8960, 2388.7150) 0.0800
trackA (1305.0840, 2387.9250) (1305.3000, 2388.0050) 0.0800
trackA (1305.0840, 2388.6350) (1305.3000, 2388.7150) 0.0800
trackA (1305.6800, 2387.9250) (1305.8960, 2388.0050) 0.0800
trackA (1305.6800, 2388.6350) (1305.8960, 2388.7150) 0.0800
trackA (1358.7100, 2374.2050) (1358.8840, 2374.3550) 0.1500
trackA (1358.1560, 2374.2050) (1358.3300, 2374.3550) 0.1500
trackA (1365.1400, 2374.2050) (1365.2340, 2374.4150) 0.2100
trackA (1368.0200, 2374.2050) (1368.1940, 2374.3550) 0.1500
trackA (1367.4660, 2374.2050) (1367.6400, 2374.3550) 0.1500
trackA (1358.7100, 2389.4450) (1358.9060, 2389.5650) 0.1200
trackA (1358.1340, 2389.4450) (1358.3300, 2389.5650) 0.1200
trackA (1358.9260, 2390.1750) (1359.0200, 2390.3850) 0.2100
trackA (1359.4000, 2390.1750) (1359.4940, 2390.3850) 0.2100
trackA (1366.0170, 2389.4450) (1366.1600, 2389.6250) 0.1800
trackA (1365.1400, 2389.4450) (1365.2830, 2389.6250) 0.1800
trackA (1368.0200, 2389.4450) (1368.2160, 2389.5650) 0.1200
trackA (1367.4440, 2389.4450) (1367.6400, 2389.5650) 0.1200
trackA (1368.7100, 2390.1750) (1368.8040, 2390.3850) 0.2100
trackA (1368.2360, 2390.1750) (1368.3300, 2390.3850) 0.2100
trackA (1372.2900, 2389.4450) (1372.4330, 2389.6250) 0.1800
trackA (1377.3300, 2374.2050) (1377.5040, 2374.3550) 0.1500
trackA (1376.7760, 2374.2050) (1376.9500, 2374.3550) 0.1500
trackA (1374.3100, 2374.2050) (1374.4040, 2374.4150) 0.2100

trackA (1383.6200, 2374.2050) (1383.7140, 2374.4150) 0.2100
trackA (1386.6400, 2374.2050) (1386.8140, 2374.3550) 0.1500
trackA (1386.0860, 2374.2050) (1386.2600, 2374.3550) 0.1500
trackA (1392.9300, 2374.2050) (1393.0240, 2374.4150) 0.2100
trackA (1376.7540, 2389.4450) (1376.9500, 2389.5650) 0.1200
trackA (1375.4670, 2389.4450) (1375.6100, 2389.6250) 0.1800
trackA (1377.3300, 2389.4450) (1377.5260, 2389.5650) 0.1200
trackA (1378.0200, 2390.1750) (1378.1140, 2390.3850) 0.2100
trackA (1377.5460, 2390.1750) (1377.6400, 2390.3850) 0.2100
trackA (1381.6000, 2389.4450) (1381.7430, 2389.6250) 0.1800
trackA (1386.6400, 2389.4450) (1386.8360, 2389.5650) 0.1200
trackA (1386.0640, 2389.4450) (1386.2600, 2389.5650) 0.1200
trackA (1384.7770, 2389.4450) (1384.9200, 2389.6250) 0.1800
trackA (1387.3300, 2390.1750) (1387.4240, 2390.3850) 0.2100
trackA (1386.8560, 2390.1750) (1386.9500, 2390.3850) 0.2100
trackA (1390.9100, 2389.4450) (1391.0530, 2389.6250) 0.1800
trackA (1394.2950, 2389.4450) (1394.4380, 2389.6250) 0.1800

M2.1 : Metal2 minimum width : 0.28

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1813:internal1
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1785.2200, 2585.0000) (1785.4050, 2585.2100) 0.2510
trackA (1785.1830, 2585.0000) (1785.4050, 2585.1700) 0.2510
trackA (1847.5100, 2585.0000) (1847.7000, 2585.2060) 0.2550
trackA (1847.4780, 2585.0000) (1847.7000, 2585.1700) 0.2550
trackA (1785.2200, 2584.9600) (1785.4050, 2585.1700) 0.2510
trackA (1785.2200, 2585.0000) (1785.4420, 2585.1700) 0.2510
trackA (1847.5100, 2584.9640) (1847.7000, 2585.1700) 0.2550
trackA (1847.5100, 2585.0000) (1847.7320, 2585.1700) 0.2550
trackA (1784.4900, 2585.0000) (1784.6450, 2585.2330) 0.2300
trackA (1784.4230, 2585.0000) (1784.6450, 2585.1700) 0.2300
trackA (1784.4900, 2584.9370) (1784.6450, 2585.1700) 0.2300
trackA (1784.4900, 2585.0000) (1784.7120, 2585.1700) 0.2300

M2.2a : Metal2 minimum space : 0.28

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:1823:external1

WARNING: The error count of 301 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (397.8800, 2587.9500) (398.1500, 2588.0240) 0.2700
trackA (397.8800, 2587.0860) (398.1500, 2587.1600) 0.2700
trackA (397.8800, 2587.1600) (398.1500, 2587.9500) 0.2700
trackA (597.8800, 2588.1950) (598.1400, 2588.2990) 0.2600
trackA (597.8800, 2587.3010) (598.1400, 2587.4050) 0.2600
trackA (597.8800, 2587.4050) (598.1400, 2588.1950) 0.2600
trackA (997.8800, 2588.3850) (998.1000, 2588.5580) 0.2200
trackA (997.8800, 2587.4220) (998.1000, 2587.5950) 0.2200
trackA (997.8800, 2587.5950) (998.1000, 2588.3850) 0.2200
trackA (1784.1400, 2584.7400) (1784.2450, 2585.0000) 0.1050
trackA (1784.1400, 2585.1700) (1784.2450, 2585.4300) 0.1050
trackA (1784.1400, 2585.0000) (1784.2450, 2585.1700) 0.1050
trackA (1784.8700, 2584.7550) (1785.0050, 2585.0000) 0.1350
trackA (1784.8700, 2585.1700) (1785.0050, 2585.4150) 0.1350
trackA (1784.8700, 2585.0000) (1785.0050, 2585.1700) 0.1350
trackA (1847.8900, 2584.7430) (1848.0000, 2585.0000) 0.1100
trackA (1847.8900, 2585.1700) (1848.0000, 2585.4270) 0.1100
trackA (1847.8900, 2585.0000) (1848.0000, 2585.1700) 0.1100
trackA (1786.3300, 2584.7400) (1786.4350, 2585.0000) 0.1050
trackA (1786.3300, 2585.1650) (1786.4350, 2585.4250) 0.1050
trackA (1786.3300, 2585.0000) (1786.4350, 2585.1650) 0.1050
trackA (1847.1800, 2584.7470) (1847.3000, 2585.0000) 0.1200
trackA (1847.1800, 2585.1700) (1847.3000, 2585.4230) 0.1200
trackA (1847.1800, 2585.0000) (1847.3000, 2585.1700) 0.1200
trackA (1849.0350, 2584.7450) (1849.1500, 2585.0000) 0.1150
trackA (1848.4000, 2584.8840) (1848.6550, 2585.0000) 0.2550
trackA (1848.4000, 2585.1700) (1848.6550, 2585.2860) 0.2550
trackA (1849.0350, 2585.1700) (1849.1500, 2585.4250) 0.1150
trackA (1848.4000, 2585.0000) (1848.6550, 2585.1700) 0.2550
trackA (1849.0350, 2585.0000) (1849.1500, 2585.1700) 0.1150
trackA (1851.6400, 2584.7430) (1851.7500, 2585.0000) 0.1100
trackA (1851.6400, 2585.1700) (1851.7500, 2585.4270) 0.1100

trackA (1851.6400, 2585.0000) (1851.7500, 2585.1700) 0.1100
trackA (1843.6150, 2584.7370) (1843.7100, 2585.0000) 0.0950
trackA (1843.6150, 2585.1700) (1843.7100, 2585.4330) 0.0950
trackA (1843.6150, 2585.0000) (1843.7100, 2585.1700) 0.0950
trackA (1844.6700, 2584.7600) (1844.8150, 2585.0000) 0.1450
trackA (1844.1100, 2584.7860) (1844.2900, 2585.0000) 0.1800
trackA (1844.1100, 2585.1700) (1844.2900, 2585.3840) 0.1800
trackA (1844.6700, 2585.1700) (1844.8150, 2585.4100) 0.1450
trackA (1844.1100, 2585.0000) (1844.2900, 2585.1700) 0.1800
trackA (1844.6700, 2585.0000) (1844.8150, 2585.1700) 0.1450
trackA (1844.1100, 2584.5650) (1844.2650, 2584.7980) 0.1550
trackA (1844.6650, 2584.5650) (1844.8150, 2584.8010) 0.1500
trackA (1844.1100, 2584.5550) (1844.2650, 2584.5650) 0.1550
trackA (1844.6650, 2584.5550) (1844.8150, 2584.5650) 0.1500
trackA (2130.6900, 2586.5250) (2130.9570, 2586.6100) 0.0850
trackA (2129.4230, 2586.5250) (2129.6900, 2586.6100) 0.0850
trackA (2129.6900, 2586.5250) (2130.6900, 2586.6100) 0.0850
trackA (2105.3100, 2586.5250) (2105.5770, 2586.6100) 0.0850
trackA (2104.0430, 2586.5250) (2104.3100, 2586.6100) 0.0850
trackA (2104.3100, 2586.5250) (2105.3100, 2586.6100) 0.0850
trackA (2118.8400, 2586.5250) (2119.1070, 2586.6100) 0.0850
trackA (2115.8930, 2586.5250) (2116.1600, 2586.6100) 0.0850
trackA (2116.1600, 2586.5250) (2118.8400, 2586.6100) 0.0850
trackA (343.4850, 2204.0100) (344.6550, 2204.1700) 0.1600
trackA (344.6550, 2204.0100) (350.0000, 2204.2800) 0.2700
trackA (350.0000, 2204.0100) (350.0740, 2204.2800) 0.2700
trackA (344.6550, 2204.0100) (344.8850, 2204.1700) 0.1600
trackA (343.4850, 2205.5700) (350.0000, 2205.6100) 0.0400
trackA (350.0000, 2205.5700) (350.2770, 2205.6100) 0.0400
trackA (343.1300, 2415.8600) (350.0000, 2416.0800) 0.2200
trackA (350.0000, 2415.8600) (350.1730, 2416.0800) 0.2200
trackA (340.9450, 2078.6000) (341.1150, 2078.8220) 0.1700
trackA (340.9450, 2077.9980) (341.1150, 2078.2200) 0.1700
trackA (340.9450, 2078.2200) (341.1150, 2078.6000) 0.1700
trackA (341.9050, 2076.7200) (342.0210, 2076.9750) 0.2550
trackA (340.9990, 2076.7200) (341.1150, 2076.9750) 0.2550
trackA (341.1150, 2076.7200) (341.9050, 2076.9750) 0.2550
trackA (343.4500, 1992.2000) (344.6200, 1992.3300) 0.1300
trackA (344.6200, 1992.2000) (344.8680, 1992.3300) 0.1300
trackA (341.0600, 1970.8050) (341.8500, 1970.9650) 0.1600
trackA (341.8500, 1970.8050) (342.0800, 1970.9650) 0.1600
trackA (340.8300, 1970.8050) (341.0600, 1970.9650) 0.1600
trackA (340.9450, 1978.6000) (341.0600, 1978.8550) 0.1150
trackA (340.9450, 1977.9650) (341.0600, 1978.2200) 0.1150

trackA (340.9450, 1978.2200) (341.0600, 1978.6000) 0.1150
trackA (340.9450, 1973.6000) (341.0600, 1973.8550) 0.1150
trackA (340.9450, 1972.9650) (341.0600, 1973.2200) 0.1150
trackA (340.9450, 1973.2200) (341.0600, 1973.6000) 0.1150
trackA (341.3000, 1903.6750) (341.7000, 1903.8600) 0.1850
trackA (341.7000, 1903.6750) (341.9100, 1903.8600) 0.1850
trackA (341.7000, 1897.9950) (342.1000, 1898.1800) 0.1850
trackA (342.1000, 1897.9950) (342.3100, 1898.1800) 0.1850
trackA (342.1000, 1892.3150) (342.5000, 1892.5000) 0.1850
trackA (342.5000, 1892.3150) (342.7100, 1892.5000) 0.1850
trackA (341.3000, 1909.3550) (341.5100, 1909.5400) 0.1850
trackA (340.3000, 1909.3550) (340.5100, 1909.5400) 0.1850
trackA (340.5100, 1909.3550) (341.3000, 1909.5400) 0.1850
trackA (342.4800, 1775.8050) (342.8800, 1775.9900) 0.1850
trackA (342.8800, 1775.8050) (343.0900, 1775.9900) 0.1850
trackA (343.2050, 1566.7200) (343.6050, 1566.8150) 0.0950
trackA (343.6050, 1566.7200) (343.8680, 1566.8150) 0.0950
trackA (343.2050, 1572.0550) (343.6050, 1572.2600) 0.2050
trackA (343.6050, 1572.0550) (343.7960, 1572.2600) 0.2050
trackA (340.9450, 1558.6000) (341.2150, 1558.6740) 0.2700
trackA (340.9450, 1558.1460) (341.2150, 1558.2200) 0.2700
trackA (340.9450, 1558.2200) (341.2150, 1558.6000) 0.2700
trackA (340.9450, 1563.6000) (341.2150, 1563.6740) 0.2700
trackA (340.9450, 1563.1460) (341.2150, 1563.2200) 0.2700

MIMTM.10 : (a) There cannot be any Via3 touching MIM bottom plate Metal4
(b) MIM bottom plate Metal4 can only be connected through the higher
Via (Via4)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:4151:and
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1397.7050, 2297.4850) (1397.9650, 2297.7450)
trackA (1520.8950, 2342.0550) (1521.1550, 2342.3150)
trackA (1520.8950, 2348.2850) (1521.1550, 2348.5450)
trackA (1520.8950, 2354.5150) (1521.1550, 2354.7750)
trackA (1520.8950, 2360.7450) (1521.1550, 2361.0050)
trackA (2315.1800, 483.1000) (2315.4400, 483.3600)
trackA (2315.9800, 483.1000) (2316.2400, 483.3600)

trackA (2316.7800, 483.1000) (2317.0400, 483.3600)
trackA (2317.5800, 483.1000) (2317.8400, 483.3600)
trackA (2318.3800, 483.1000) (2318.6400, 483.3600)
trackA (2319.1800, 483.1000) (2319.4400, 483.3600)
trackA (2319.9800, 483.1000) (2320.2400, 483.3600)
trackA (2528.7900, 451.4350) (2529.0500, 451.6950)
trackA (2528.7900, 452.2350) (2529.0500, 452.4950)
trackA (2529.5900, 451.4350) (2529.8500, 451.6950)
trackA (2529.5900, 452.2350) (2529.8500, 452.4950)
trackA (2530.3900, 451.4350) (2530.6500, 451.6950)
trackA (2530.3900, 452.2350) (2530.6500, 452.4950)
trackA (2531.1900, 451.4350) (2531.4500, 451.6950)
trackA (2531.1900, 452.2350) (2531.4500, 452.4950)
trackA (2531.9900, 451.4350) (2532.2500, 451.6950)
trackA (2531.9900, 452.2350) (2532.2500, 452.4950)
trackA (2532.7900, 451.4350) (2533.0500, 451.6950)
trackA (2532.7900, 452.2350) (2533.0500, 452.4950)
trackA (2533.5900, 451.4350) (2533.8500, 451.6950)
trackA (2533.5900, 452.2350) (2533.8500, 452.4950)
L_route_9825ad4f$1 (-21.4300, -1.8050) (-21.1700, -1.5450)
L_route_9825ad4f$1 (-20.6300, -1.8050) (-20.3700, -1.5450)
L_route_9825ad4f$1 (-19.8300, -1.8050) (-19.5700, -1.5450)
L_route_9825ad4f$1 (-19.0300, -1.8050) (-18.7700, -1.5450)
L_route_9825ad4f$1 (-18.2300, -1.8050) (-17.9700, -1.5450)
L_route_9825ad4f$1 (-17.4300, -1.8050) (-17.1700, -1.5450)
L_route_9825ad4f$1 (-16.6300, -1.8050) (-16.3700, -1.5450)
L_route_9825ad4f (-21.4300, -1.8050) (-21.1700, -1.5450)
L_route_9825ad4f (-20.6300, -1.8050) (-20.3700, -1.5450)
L_route_9825ad4f (-19.8300, -1.8050) (-19.5700, -1.5450)
L_route_9825ad4f (-19.0300, -1.8050) (-18.7700, -1.5450)
L_route_9825ad4f (-18.2300, -1.8050) (-17.9700, -1.5450)
L_route_9825ad4f (-17.4300, -1.8050) (-17.1700, -1.5450)
L_route_9825ad4f (-16.6300, -1.8050) (-16.3700, -1.5450)

MSLOT.1_Metal1 : Maximum Metal1 width without slotting = 30.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5822:or
- -
Structure (lower left x, y) (upper right x, y)
- -

trackA (796.1650, 379.7200) (840.7200, 430.4700)
trackA (896.1550, 379.7200) (940.7100, 430.4700)
io_secondary_5p0 (-42.3000, -8.1050) (14.7500, 36.4500)

MSLOT.1_Metal2 : Maximum Metal2 width without slotting = 30.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5828:or
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (798.0700, 370.4200) (838.0700, 430.4700)
trackA (898.0600, 370.4200) (938.0600, 430.4700)

MSLOT.1_Metal3 : Maximum Metal3 width without slotting = 30.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:5834:or
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (2195.1050, 356.9400) (2235.1550, 508.6250)
io_secondary_5p0 (-47.3500, -6.2000) (24.0500, 33.8000)

Mn.4_Metal1 : Metal1 coverage over the entire die shall be > 30%

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2832:density
- -
Structure Window (x1,y1) (x2,y2)
Report = Value
- -
trackA (0.0000, 0.0000) (2935.0000, 2935.0000)
Min ratio = 0.2252
Max ratio = 0.2252

Avg ratio = 0.2252
Min areaL1 = 1940121.3014
Max areaL1 = 1940121.3014
Avg areaL1 = 1940121.3014
Min areaW = 8614225.0000
Max areaW = 8614225.0000
Avg areaW = 8614225.0000

Mn.4_Metal2 : Metal2 coverage over the entire die shall be > 30%

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2849:density
- -
Structure Window (x1,y1) (x2,y2)
Report   = Value
- -
trackA   (0.0000, 0.0000) (2935.0000, 2935.0000)
Min ratio = 0.2735
Max ratio = 0.2735
Avg ratio = 0.2735
Min areaL1 = 2356217.4076
Max areaL1 = 2356217.4076
Avg areaL1 = 2356217.4076
Min areaW = 8614225.0000
Max areaW = 8614225.0000
Avg areaW = 8614225.0000

NP.11 : Butting Nplus and PCOMP is forbidden within 0.43 of well (Nwell and LVPWELL) edge (for inside DNWELL case)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2494:and
- -
Structure (lower left x, y)   (upper right x, y)
- -
trackA   (1351.8510, 2366.3550) (1352.7090, 2366.3560)
trackA   (1351.8510, 2372.2050) (1352.7090, 2372.2060)
trackA   (1351.8510, 2378.0550) (1352.7090, 2378.0560)

trackA (1351.8510, 2383.9050) (1352.7090, 2383.9060)
trackA (1351.8510, 2389.7550) (1352.7090, 2389.7560)

NP.3a : Nplus space to PCOMP (1) inside Nwell (2) outside LVPWELL
but inside DNWELL : 0.16

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2372:external2
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.7400, 2374.9350) (1358.8560, 2375.0450) 0.1100
trackA (1358.1840, 2374.9350) (1358.3000, 2375.0450) 0.1100
trackA (1358.3000, 2374.9350) (1358.7400, 2375.0450) 0.1100
trackA (1368.0500, 2374.9350) (1368.1660, 2375.0450) 0.1100
trackA (1367.4940, 2374.9350) (1367.6100, 2375.0450) 0.1100
trackA (1367.6100, 2374.9350) (1368.0500, 2375.0450) 0.1100
trackA (1377.3600, 2374.9350) (1377.4760, 2375.0450) 0.1100
trackA (1376.8040, 2374.9350) (1376.9200, 2375.0450) 0.1100
trackA (1376.9200, 2374.9350) (1377.3600, 2375.0450) 0.1100
trackA (1386.6700, 2374.9350) (1386.7860, 2375.0450) 0.1100
trackA (1386.1140, 2374.9350) (1386.2300, 2375.0450) 0.1100
trackA (1386.2300, 2374.9350) (1386.6700, 2375.0450) 0.1100

NP.4a : Nplus space to related P-channel gate at a butting edge parallel
to gate : 0.32

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2404:external2
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.9800, 2367.6250) (1359.2510, 2367.7950) 0.1700
trackA (1357.7890, 2367.6250) (1358.0600, 2367.7950) 0.1700
trackA (1358.0600, 2367.6250) (1358.9800, 2367.7950) 0.1700
trackA (1368.2900, 2367.6250) (1368.5610, 2367.7950) 0.1700
trackA (1367.0990, 2367.6250) (1367.3700, 2367.7950) 0.1700
trackA (1367.3700, 2367.6250) (1368.2900, 2367.7950) 0.1700

trackA (1377.6000, 2367.6250) (1377.8710, 2367.7950) 0.1700
trackA (1376.4090, 2367.6250) (1376.6800, 2367.7950) 0.1700
trackA (1376.6800, 2367.6250) (1377.6000, 2367.7950) 0.1700
trackA (1386.9100, 2367.6250) (1387.1810, 2367.7950) 0.1700
trackA (1385.7190, 2367.6250) (1385.9900, 2367.7950) 0.1700
trackA (1385.9900, 2367.6250) (1386.9100, 2367.7950) 0.1700
trackA (1358.9800, 2384.5250) (1359.2630, 2384.6750) 0.1500
trackA (1357.7770, 2384.5250) (1358.0600, 2384.6750) 0.1500
trackA (1358.0600, 2384.5250) (1358.9800, 2384.6750) 0.1500
trackA (1368.2900, 2384.5250) (1368.5730, 2384.6750) 0.1500
trackA (1367.0870, 2384.5250) (1367.3700, 2384.6750) 0.1500
trackA (1367.3700, 2384.5250) (1368.2900, 2384.6750) 0.1500
trackA (1377.6000, 2384.5250) (1377.8830, 2384.6750) 0.1500
trackA (1376.3970, 2384.5250) (1376.6800, 2384.6750) 0.1500
trackA (1376.6800, 2384.5250) (1377.6000, 2384.6750) 0.1500
trackA (1386.9100, 2384.5250) (1387.1930, 2384.6750) 0.1500
trackA (1385.7070, 2384.5250) (1385.9900, 2384.6750) 0.1500
trackA (1385.9900, 2384.5250) (1386.9100, 2384.6750) 0.1500

NP.5a : Nplus overlap of N-channel gate : 0.23

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2422:enclose
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.0100, 2383.0050) (1358.0600, 2383.1750) 0.1700
trackA (1358.0600, 2383.0050) (1358.2150, 2383.1750) 0.1700
trackA (1357.8550, 2383.0050) (1358.0100, 2383.1750) 0.1700
trackA (1358.9800, 2383.0050) (1359.3900, 2383.1750) 0.1700
trackA (1358.8250, 2383.0050) (1358.9800, 2383.1750) 0.1700
trackA (1359.3900, 2383.0050) (1359.5450, 2383.1750) 0.1700
trackA (1367.3200, 2383.0050) (1367.3700, 2383.1750) 0.1700
trackA (1367.3700, 2383.0050) (1367.5250, 2383.1750) 0.1700
trackA (1367.1650, 2383.0050) (1367.3200, 2383.1750) 0.1700
trackA (1368.2900, 2383.0050) (1368.7000, 2383.1750) 0.1700
trackA (1368.1350, 2383.0050) (1368.2900, 2383.1750) 0.1700
trackA (1368.7000, 2383.0050) (1368.8550, 2383.1750) 0.1700
trackA (1376.6300, 2383.0050) (1376.6800, 2383.1750) 0.1700
trackA (1376.6800, 2383.0050) (1376.8350, 2383.1750) 0.1700
trackA (1376.4750, 2383.0050) (1376.6300, 2383.1750) 0.1700

trackA (1377.6000, 2383.0050) (1378.0100, 2383.1750) 0.1700
trackA (1377.4450, 2383.0050) (1377.6000, 2383.1750) 0.1700
trackA (1378.0100, 2383.0050) (1378.1650, 2383.1750) 0.1700
trackA (1385.9400, 2383.0050) (1385.9900, 2383.1750) 0.1700
trackA (1385.9900, 2383.0050) (1386.1450, 2383.1750) 0.1700
trackA (1385.7850, 2383.0050) (1385.9400, 2383.1750) 0.1700
trackA (1386.9100, 2383.0050) (1387.3200, 2383.1750) 0.1700
trackA (1386.7550, 2383.0050) (1386.9100, 2383.1750) 0.1700
trackA (1387.3200, 2383.0050) (1387.4750, 2383.1750) 0.1700

NP.5d(i) : Nplus extension beyond COMP inside DNWELL for Nwell overlap
of Nplus < 0.43 : 0.16

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2447:enclose

WARNING: The error count of 302 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
gf180mcu_fd_sc_mcu7t5v0__endcap (0.2000, 1.8560) (0.2595, 2.0280) 0.0000
gf180mcu_fd_sc_mcu7t5v0__endcap (0.2000, 1.8560) (0.3600, 1.9200) 0.0000
io_secondary_5p0 (35.8300, -7.2500) (35.8700, 34.9100) 0.0400
io_secondary_5p0 (35.8300, 34.9100) (35.8700, 34.9500) 0.0400
io_secondary_5p0 (35.8300, 34.9100) (35.8700, 34.9500) 0.0400
io_secondary_5p0 (35.8300, -7.2900) (35.8700, -7.2500) 0.0400
io_secondary_5p0 (35.8300, -7.2900) (35.8700, -7.2500) 0.0400
io_secondary_5p0 (22.6100, -7.2500) (22.6500, 34.9100) 0.0400
io_secondary_5p0 (22.6100, -7.2900) (22.6500, -7.2500) 0.0400
io_secondary_5p0 (22.6100, -7.2900) (22.6500, -7.2500) 0.0400
io_secondary_5p0 (22.6100, 34.9100) (22.6500, 34.9500) 0.0400
io_secondary_5p0 (22.6100, 34.9100) (22.6500, 34.9500) 0.0400
io_secondary_5p0 (22.6500, -7.2900) (35.8300, -7.2500) 0.0400
io_secondary_5p0 (22.6500, 34.9100) (35.8300, 34.9500) 0.0400
comp018green_esd_rc_v5p0$2 (0.0000, 2.7100) (0.1165, 2.8480) 0.1205
comp018green_esd_rc_v5p0$2 (0.0000, 22.0420) (0.1165, 22.1800) 0.1205
comp018green_esd_rc_v5p0$2 (0.0000, 22.0635) (0.1480, 22.1800) 0.1165
comp018green_esd_rc_v5p0$2 (0.0000, 2.7100) (0.1480, 2.8265) 0.1165

comp018green_esd_rc_v5p0$2 (0.0000, 2.7100) (0.1380, 2.8265) 0.1205
comp018green_esd_rc_v5p0$2 (0.0000, 22.0635) (0.1380, 22.1800) 0.1205
comp018green_esd_rc_v5p0$2 (68.2320, 22.0635) (68.3700, 22.1800) 0.1205
comp018green_esd_rc_v5p0$2 (68.2320, 2.7100) (68.3700, 2.8265) 0.1205
comp018green_esd_rc_v5p0$2 (68.2535, 2.7100) (68.3700, 2.8480) 0.1205
comp018green_esd_rc_v5p0$2 (68.2535, 22.0420) (68.3700, 22.1800) 0.1205
comp018green_esd_rc_v5p0$2 (68.2220, 22.0635) (68.3700, 22.1800) 0.1165
comp018green_esd_rc_v5p0$2 (68.2220, 2.7100) (68.3700, 2.8265) 0.1165
comp018green_esd_rc_v5p0$2 (68.2535, 2.7100) (68.3700, 2.8580) 0.1165
comp018green_esd_rc_v5p0$2 (0.0000, 2.7100) (0.1165, 2.8580) 0.1165
comp018green_esd_rc_v5p0$2 (68.2535, 22.0320) (68.3700, 22.1800) 0.1165
comp018green_esd_rc_v5p0$2 (0.0000, 22.0320) (0.1165, 22.1800) 0.1165
nmos_clamp_20_50_4$2 (2.2295, 2.2900) (2.2700, 2.4555) 0.0000
nmos_clamp_20_50_4$2 (2.2295, 124.3145) (2.2700, 124.4800) 0.0000
nmos_clamp_20_50_4$2 (2.1100, 2.4120) (2.2700, 2.4555) 0.0000
nmos_clamp_20_50_4$2 (2.1100, 124.3145) (2.2700, 124.3580) 0.0000
nmos_clamp_20_50_4$2 (62.3545, 2.2280) (62.5200, 2.2700) 0.0000
nmos_clamp_20_50_4$2 (2.2900, 2.2280) (2.4555, 2.2700) 0.0000
nmos_clamp_20_50_4$2 (2.4120, 2.1100) (2.4555, 2.2700) 0.0000
nmos_clamp_20_50_4$2 (62.3545, 2.1100) (62.3980, 2.2700) 0.0000
nmos_clamp_20_50_4$2 (62.3545, 124.5000) (62.5200, 124.5420) 0.0000
nmos_clamp_20_50_4$2 (2.2900, 124.5000) (2.4555, 124.5420) 0.0000
nmos_clamp_20_50_4$2 (2.4120, 124.5000) (2.4555, 124.6600) 0.0000
nmos_clamp_20_50_4$2 (62.3545, 124.5000) (62.3980, 124.6600) 0.0000
nmos_clamp_20_50_4$2 (62.5400, 2.2900) (62.5805, 2.4555) 0.0000
nmos_clamp_20_50_4$2 (62.5400, 124.3145) (62.5805, 124.4800) 0.0000
nmos_clamp_20_50_4$2 (62.5400, 124.3145) (62.7000, 124.3580) 0.0000
nmos_clamp_20_50_4$2 (62.5400, 2.4120) (62.7000, 2.4555) 0.0000
nmos_clamp_20_50_4$2 (0.0000, 0.0000) (0.1380, 0.1165) 0.1205
nmos_clamp_20_50_4$2 (64.6720, 0.0000) (64.8100, 0.1165) 0.1205
nmos_clamp_20_50_4$2 (64.6935, 0.0000) (64.8100, 0.1480) 0.1165
nmos_clamp_20_50_4$2 (0.0000, 0.0000) (0.1165, 0.1480) 0.1165
nmos_clamp_20_50_4$2 (0.0000, 0.0000) (0.1165, 0.1380) 0.1205
nmos_clamp_20_50_4$2 (64.6935, 0.0000) (64.8100, 0.1380) 0.1205
nmos_clamp_20_50_4$2 (64.6935, 126.6320) (64.8100, 126.7700) 0.1205
nmos_clamp_20_50_4$2 (0.0000, 126.6320) (0.1165, 126.7700) 0.1205
nmos_clamp_20_50_4$2 (0.0000, 126.6535) (0.1380, 126.7700) 0.1205
nmos_clamp_20_50_4$2 (64.6720, 126.6535) (64.8100, 126.7700) 0.1205
nmos_clamp_20_50_4$2 (64.6935, 126.6220) (64.8100, 126.7700) 0.1165
nmos_clamp_20_50_4$2 (0.0000, 126.6220) (0.1165, 126.7700) 0.1165
nmos_clamp_20_50_4$2 (0.0000, 126.6535) (0.1480, 126.7700) 0.1165
nmos_clamp_20_50_4$2 (0.0000, 0.0000) (0.1480, 0.1165) 0.1165
nmos_clamp_20_50_4$2 (64.6620, 126.6535) (64.8100, 126.7700) 0.1165
nmos_clamp_20_50_4$2 (64.6620, 0.0000) (64.8100, 0.1165) 0.1165

comp018green_sigbuf$1	(6.2400, 7.1500)	(6.4205, 7.3040)	0.1205
comp018green_sigbuf$1	(6.2400, 7.1500)	(6.4000, 7.3100)	0.1165
comp018green_sigbuf$1	(3.8495, 7.1500)	(4.0300, 7.3040)	0.1205
comp018green_sigbuf$1	(3.8700, 7.1500)	(4.0300, 7.3100)	0.1165
comp018green_sigbuf$1	(3.8920, 12.5035)	(4.0300, 12.6200)	0.1205
comp018green_sigbuf$1	(6.2400, 12.5035)	(6.3780, 12.6200)	0.1205
comp018green_sigbuf$1	(3.9135, 12.4720)	(4.0300, 12.6200)	0.1165
comp018green_sigbuf$1	(6.2400, 12.4720)	(6.3565, 12.6200)	0.1165
comp018green_sigbuf$1	(6.2400, 12.4820)	(6.3565, 12.6200)	0.1205
comp018green_sigbuf$1	(3.9135, 12.4820)	(4.0300, 12.6200)	0.1205
comp018green_sigbuf$1	(6.2400, 12.5035)	(6.3880, 12.6200)	0.1165
comp018green_sigbuf$1	(3.8820, 12.5035)	(4.0300, 12.6200)	0.1165
comp018green_out_sigbuf_oe$1	(7.6500, 6.4800)	(7.8305, 6.6340)	0.1205
comp018green_out_sigbuf_oe$1	(7.6500, 6.4800)	(7.8100, 6.6400)	0.1165
comp018green_out_sigbuf_oe$1	(5.2595, 6.4800)	(5.4400, 6.6340)	0.1205
comp018green_out_sigbuf_oe$1	(5.2800, 6.4800)	(5.4400, 6.6400)	0.1165
comp018green_out_sigbuf_oe$1	(5.3020, 14.1835)	(5.4400, 14.3000)	0.1205
comp018green_out_sigbuf_oe$1	(7.6500, 14.1835)	(7.7880, 14.3000)	0.1205
comp018green_out_sigbuf_oe$1	(5.3235, 14.1520)	(5.4400, 14.3000)	0.1165
comp018green_out_sigbuf_oe$1	(7.6500, 14.1520)	(7.7665, 14.3000)	0.1165
comp018green_out_sigbuf_oe$1	(7.6500, 14.1620)	(7.7665, 14.3000)	0.1205
comp018green_out_sigbuf_oe$1	(5.3235, 14.1620)	(5.4400, 14.3000)	0.1205
comp018green_out_sigbuf_oe$1	(7.6500, 14.1835)	(7.7980, 14.3000)	0.1165
comp018green_out_sigbuf_oe$1	(5.2920, 14.1835)	(5.4400, 14.3000)	0.1165
gf180mcu_fd_io__asig_5p0$1	(10.1050, 71.0100)	(10.2430, 71.1265)	0.1205
gf180mcu_fd_io__asig_5p0$1	(10.1050, 71.0100)	(10.2215, 71.1580)	0.1165
gf180mcu_fd_io__asig_5p0$1	(10.1050, 71.0100)	(10.2215, 71.1480)	0.1205
gf180mcu_fd_io__asig_5p0$1	(10.1050, 71.0100)	(10.2530, 71.1265)	0.1165
gf180mcu_fd_io__asig_5p0$1	(64.7570, 71.0100)	(64.8950, 71.1265)	0.1205
gf180mcu_fd_io__asig_5p0$1	(64.7785, 71.0100)	(64.8950, 71.1580)	0.1165
gf180mcu_fd_io__asig_5p0$1	(64.7785, 71.0100)	(64.8950, 71.1480)	0.1205
gf180mcu_fd_io__asig_5p0$1	(64.7470, 71.0100)	(64.8950, 71.1265)	0.1165
gf180mcu_fd_io__asig_5p0$1	(10.1050, 99.7220)	(10.2215, 99.8600)	0.1205
gf180mcu_fd_io__asig_5p0$1	(10.1050, 99.7435)	(10.2430, 99.8600)	0.1205
gf180mcu_fd_io__asig_5p0$1	(10.1050, 99.7120)	(10.2215, 99.8600)	0.1165
gf180mcu_fd_io__asig_5p0$1	(6.8450, 104.8350)	(6.9830, 104.9515)	0.1205
gf180mcu_fd_io__asig_5p0$1	(6.8450, 104.8350)	(6.9615, 104.9830)	0.1165
gf180mcu_fd_io__asig_5p0$1	(6.8450, 104.8350)	(6.9615, 104.9730)	0.1205

NP.6 : Nplus overlap with NCOMP butted to PCOMP : 0.22

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2459:internal1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (1376.7600, 2389.5450) (1377.5200, 2389.7550) 0.2100
trackA (1376.6940, 2389.5450) (1376.7600, 2389.7550) 0.2100
trackA (1377.5200, 2389.5450) (1377.5860, 2389.7550) 0.2100
trackA (1358.1400, 2389.5450) (1358.9000, 2389.7550) 0.2100
trackA (1358.0740, 2389.5450) (1358.1400, 2389.7550) 0.2100
trackA (1358.9000, 2389.5450) (1358.9660, 2389.7550) 0.2100
trackA (1386.0700, 2389.5450) (1386.8300, 2389.7550) 0.2100
trackA (1386.0040, 2389.5450) (1386.0700, 2389.7550) 0.2100
trackA (1386.8300, 2389.5450) (1386.8960, 2389.7550) 0.2100
trackA (1367.4500, 2389.5450) (1368.2100, 2389.7550) 0.2100
trackA (1367.3840, 2389.5450) (1367.4500, 2389.7550) 0.2100
trackA (1368.2100, 2389.5450) (1368.2760, 2389.7550) 0.2100
trackA (1497.0600, 2363.7950) (1497.2100, 2364.5250) 0.1500
trackA (1497.0600, 2379.0150) (1497.2100, 2379.7450) 0.1500
trackA (1497.0600, 2371.4050) (1497.2100, 2372.1350) 0.1500
trackA (1497.0600, 2394.2350) (1497.2100, 2394.9650) 0.1500
trackA (1497.0600, 2386.6250) (1497.2100, 2387.3550) 0.1500
trackA (1497.0600, 2401.8450) (1497.2100, 2402.5750) 0.1500
trackA (1497.0600, 2409.4550) (1497.2100, 2410.1850) 0.1500

NW.2 : Min. Nwell Space : 1.4

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2047:external1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

gf180mcu_fd_io__bi_t$1 (58.9910, 294.9550) (59.3800, 296.3000) 1.3450
gf180mcu_fd_io__bi_t$1 (68.1450, 294.9550) (68.5340, 296.3000) 1.3450
gf180mcu_fd_io__bi_t$1 (59.3800, 294.9550) (68.1450, 296.3000) 1.3450
gf180mcu_fd_io__bi_t$1 (46.1000, 317.8650) (47.3450, 318.5050) 1.2450
gf180mcu_fd_io__bi_t$1 (46.1000, 312.7450) (47.3450, 317.8650) 1.2450

NW.3 : Min. Nwell to DNWELL space : 3.1

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2073:external2

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (1497.9000, 2360.3920) (1499.4000, 2363.1050) 1.5000
trackA (1497.9000, 2367.2550) (1499.4000, 2369.9680) 1.5000
trackA (1497.9000, 2368.0020) (1499.4000, 2370.7150) 1.5000
trackA (1497.9000, 2374.8650) (1499.4000, 2377.5780) 1.5000
trackA (1497.9000, 2375.6120) (1499.4000, 2378.3250) 1.5000
trackA (1497.9000, 2382.4750) (1499.4000, 2385.1880) 1.5000
trackA (1497.9000, 2383.2220) (1499.4000, 2385.9350) 1.5000
trackA (1497.9000, 2390.0850) (1499.4000, 2392.7980) 1.5000
trackA (1497.9000, 2390.8320) (1499.4000, 2393.5450) 1.5000
trackA (1497.9000, 2397.6950) (1499.4000, 2400.4080) 1.5000
trackA (1497.9000, 2398.4420) (1499.4000, 2401.1550) 1.5000
trackA (1497.9000, 2405.3050) (1499.4000, 2408.0180) 1.5000
trackA (1497.9000, 2406.0520) (1499.4000, 2408.7650) 1.5000
trackA (1497.9000, 2412.9150) (1499.4000, 2414.1750) 1.5000
trackA (1497.9000, 2414.1750) (1499.4000, 2416.8880) 2.6625
trackA (1497.2160, 2414.1750) (1499.4000, 2416.3750) 2.6625
trackA (1497.9000, 2413.6620) (1499.4000, 2416.3750) 2.6625
trackA (1497.9000, 2414.1750) (1500.0840, 2416.3750) 2.6625
trackA (1497.9000, 2393.5450) (1499.4000, 2397.6950) 1.5000
trackA (1497.9000, 2401.1550) (1499.4000, 2405.3050) 1.5000
trackA (1497.9000, 2385.9350) (1499.4000, 2390.0850) 1.5000
trackA (1497.9000, 2408.7650) (1499.4000, 2412.9150) 1.5000
trackA (1497.9000, 2378.3250) (1499.4000, 2382.4750) 1.5000
trackA (1497.9000, 2370.7150) (1499.4000, 2374.8650) 1.5000
trackA (1497.9000, 2363.1050) (1499.4000, 2367.2550) 1.5000
trackA (2115.0900, 2027.8700) (2117.2800, 2030.0500) 2.1800
trackA (2076.8300, 2027.8700) (2079.0200, 2030.0500) 2.1800
trackA (2079.0200, 2027.8700) (2115.0900, 2030.0500) 2.1800
trackA (2117.2800, 2027.0580) (2118.0900, 2030.0500) 2.3255
trackA (2117.2800, 2027.8700) (2118.0900, 2030.8620) 2.3255
trackA (2115.8860, 2027.8700) (2118.0900, 2030.0500) 2.3255
trackA (2117.2800, 2027.8700) (2119.4840, 2030.0500) 2.3255

PAD.16 : Max pad opening space to nearest S/L guard ring (Inner edge of GUARD_RING_MK marking) = 200.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:4549:not_interacting

- -

Structure (lower left x, y) (upper right x, y)

- -

Bondpad_5LM$1 (2.0000, 2.0000) (62.0000, 62.0000)

PAD.17 : Pad opening space to active circuit COMP = 15.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:4555:external2

WARNING: The error count of 301 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure	(lower left x, y)	(upper right x, y)	Distance
trackA	(375.4650, 2864.0470)	(387.5000, 2877.5180)	12.8260
trackA	(447.5000, 2864.0470)	(459.5350, 2877.5180)	12.8260
trackA	(475.4650, 2864.0470)	(487.5000, 2877.5180)	12.8260
trackA	(372.9100, 2869.5150)	(462.0900, 2873.0000)	3.4850
trackA	(378.6450, 2864.4000)	(387.5000, 2878.0070)	11.3500
trackA	(376.2650, 2865.9000)	(391.8580, 2873.0000)	11.3500
trackA	(378.6450, 2860.9400)	(387.5000, 2874.5470)	13.7815
trackA	(376.8470, 2862.4400)	(389.2980, 2873.0000)	13.7815
trackA	(447.5000, 2864.4000)	(456.2650, 2878.0730)	11.2800
trackA	(443.0520, 2865.9000)	(458.6450, 2873.0000)	11.2800
trackA	(447.5000, 2860.9400)	(456.2650, 2874.6130)	13.7235
trackA	(445.6120, 2862.4400)	(458.1530, 2873.0000)	13.7235
trackA	(472.9100, 2869.5150)	(562.0900, 2873.0000)	3.4850
trackA	(478.6450, 2864.4000)	(487.5000, 2878.0070)	11.3500
trackA	(476.2650, 2865.9000)	(491.8580, 2873.0000)	11.3500
trackA	(478.6450, 2860.9400)	(487.5000, 2874.5470)	13.7815
trackA	(476.8470, 2862.4400)	(489.2980, 2873.0000)	13.7815
trackA	(575.4650, 2864.0470)	(587.5000, 2877.5180)	12.8260
trackA	(647.5000, 2864.0470)	(659.5350, 2877.5180)	12.8260
trackA	(547.5000, 2864.0470)	(559.5350, 2877.5180)	12.8260

trackA	(675.4650, 2864.0470)	(687.5000, 2877.5180)	12.8260
trackA	(572.9100, 2869.5150)	(662.0900, 2873.0000)	3.4850
trackA	(578.6450, 2864.4000)	(587.5000, 2878.0070)	11.3500
trackA	(576.2650, 2865.9000)	(591.8580, 2873.0000)	11.3500
trackA	(578.6450, 2860.9400)	(587.5000, 2874.5470)	13.7815
trackA	(576.8470, 2862.4400)	(589.2980, 2873.0000)	13.7815
trackA	(647.5000, 2864.4000)	(656.2650, 2878.0730)	11.2800
trackA	(643.0520, 2865.9000)	(658.6450, 2873.0000)	11.2800
trackA	(647.5000, 2860.9400)	(656.2650, 2874.6130)	13.7235
trackA	(645.6120, 2862.4400)	(658.1530, 2873.0000)	13.7235
trackA	(547.5000, 2864.4000)	(556.2650, 2878.0730)	11.2800
trackA	(543.0520, 2865.9000)	(558.6450, 2873.0000)	11.2800
trackA	(547.5000, 2860.9400)	(556.2650, 2874.6130)	13.7235
trackA	(545.6120, 2862.4400)	(558.1530, 2873.0000)	13.7235
trackA	(672.9100, 2869.5150)	(762.0900, 2873.0000)	3.4850
trackA	(678.6450, 2864.4000)	(687.5000, 2878.0070)	11.3500
trackA	(676.2650, 2865.9000)	(691.8580, 2873.0000)	11.3500
trackA	(678.6450, 2860.9400)	(687.5000, 2874.5470)	13.7815
trackA	(676.8470, 2862.4400)	(689.2980, 2873.0000)	13.7815
trackA	(775.4650, 2864.0470)	(787.5000, 2877.5180)	12.8260
trackA	(847.5000, 2864.0470)	(859.5350, 2877.5180)	12.8260
trackA	(747.5000, 2864.0470)	(759.5350, 2877.5180)	12.8260
trackA	(772.9100, 2869.5150)	(862.0900, 2873.0000)	3.4850
trackA	(778.6450, 2864.4000)	(787.5000, 2878.0070)	11.3500
trackA	(776.2650, 2865.9000)	(791.8580, 2873.0000)	11.3500
trackA	(778.6450, 2860.9400)	(787.5000, 2874.5470)	13.7815
trackA	(776.8470, 2862.4400)	(789.2980, 2873.0000)	13.7815
trackA	(847.5000, 2864.4000)	(856.2650, 2878.0730)	11.2800
trackA	(843.0520, 2865.9000)	(858.6450, 2873.0000)	11.2800
trackA	(847.5000, 2860.9400)	(856.2650, 2874.6130)	13.7235
trackA	(845.6120, 2862.4400)	(858.1530, 2873.0000)	13.7235
trackA	(747.5000, 2864.4000)	(756.2650, 2878.0730)	11.2800
trackA	(743.0520, 2865.9000)	(758.6450, 2873.0000)	11.2800
trackA	(747.5000, 2860.9400)	(756.2650, 2874.6130)	13.7235
trackA	(745.6120, 2862.4400)	(758.1530, 2873.0000)	13.7235
trackA	(975.4650, 2864.0470)	(987.5000, 2877.5180)	12.8260
trackA	(875.4650, 2864.0470)	(887.5000, 2877.5180)	12.8260
trackA	(947.5000, 2864.0470)	(959.5350, 2877.5180)	12.8260
trackA	(972.9100, 2869.5150)	(1062.0900, 2873.0000)	3.4850
trackA	(978.6450, 2864.4000)	(987.5000, 2878.0070)	11.3500
trackA	(976.2650, 2865.9000)	(991.8580, 2873.0000)	11.3500
trackA	(978.6450, 2860.9400)	(987.5000, 2874.5470)	13.7815
trackA	(976.8470, 2862.4400)	(989.2980, 2873.0000)	13.7815
trackA	(872.9100, 2869.5150)	(962.0900, 2873.0000)	3.4850

trackA (878.6450, 2864.4000) (887.5000, 2878.0070) 11.3500
trackA (876.2650, 2865.9000) (891.8580, 2873.0000) 11.3500
trackA (878.6450, 2860.9400) (887.5000, 2874.5470) 13.7815
gf180mcu_fd_io__dvss$1 (7.5000, 62.0000) (67.5000, 74.4150) 12.4150
gf180mcu_fd_io__dvss$1 (1.2850, 62.0000) (17.5280, 67.8950) 6.9945
gf180mcu_fd_io__dvss$1 (3.7350, 53.3750) (7.5000, 76.5200) 6.9945
gf180mcu_fd_io__dvss$1 (57.4720, 62.0000) (73.7150, 67.8950) 6.9945
gf180mcu_fd_io__dvss$1 (67.5000, 53.3750) (71.2650, 76.5200) 6.9945
gf180mcu_fd_io__dvss$1 (0.0000, 62.0000) (75.0000, 65.4850) 3.4850
gf180mcu_fd_io__dvss$1 (5.2550, 62.0000) (69.7450, 67.6100) 5.6100
gf180mcu_fd_io__dvss$1 (7.5000, 62.0000) (67.5000, 70.6100) 8.6100
gf180mcu_fd_io__dvdd$1 (7.5000, 62.0000) (67.5000, 74.7000) 12.7000
gf180mcu_fd_io__dvdd$1 (57.4720, 62.0000) (73.7150, 67.8950) 6.9945
gf180mcu_fd_io__dvdd$1 (67.5000, 53.3750) (71.2650, 76.5200) 6.9945
gf180mcu_fd_io__dvdd$1 (1.2850, 62.0000) (17.5280, 67.8950) 6.9945
gf180mcu_fd_io__dvdd$1 (3.7350, 53.3750) (7.5000, 76.5200) 6.9945
gf180mcu_fd_io__dvdd$1 (0.0000, 62.0000) (75.0000, 65.4850) 3.4850
gf180mcu_fd_io__dvdd$1 (5.2550, 62.0000) (69.7450, 67.8950) 5.8950
gf180mcu_fd_io__dvdd$1 (7.5000, 62.0000) (67.5000, 70.8950) 8.8950
gf180mcu_fd_io__bi_t$1 (0.0000, 62.0000) (75.0000, 65.4850) 3.4850
gf180mcu_fd_io__bi_t$1 (7.5990, 62.0000) (67.1810, 75.6900) 13.6900
gf180mcu_fd_io__bi_t$1 (67.5000, 55.0580) (73.4550, 75.7670) 9.0575
gf180mcu_fd_io__bi_t$1 (60.0980, 62.0000) (73.9050, 68.8250) 9.0575
gf180mcu_fd_io__bi_t$1 (1.1650, 62.0000) (73.5350, 67.2200) 5.2200
gf180mcu_fd_io__bi_t$1 (4.0850, 62.0000) (70.7350, 69.3100) 7.3100
gf180mcu_fd_io__bi_t$1 (7.5000, 62.0000) (67.5000, 71.9700) 9.9700
gf180mcu_fd_io__bi_t$1 (1.2350, 55.1960) (7.5000, 75.6290) 9.2645
gf180mcu_fd_io__bi_t$1 (0.7850, 62.0000) (14.5920, 68.8250) 9.2645
gf180mcu_fd_io__asig_5p0$1 (0.0000, 62.0000) (75.0000, 65.4850) 3.4850
gf180mcu_fd_io__asig_5p0$1 (7.5000, 62.0000) (67.5000, 73.4050) 11.4050
gf180mcu_fd_io__asig_5p0$1 (5.2350, 53.1320) (7.5000, 76.8280) 6.3760
gf180mcu_fd_io__asig_5p0$1 (1.2850, 62.0000) (19.0000, 67.9600) 6.3760
gf180mcu_fd_io__asig_5p0$1 (7.0050, 62.0000) (67.9950, 67.9600) 5.9600
gf180mcu_fd_io__asig_5p0$1 (7.5000, 62.0000) (67.5000, 71.1700) 9.1700
gf180mcu_fd_io__asig_5p0$1 (67.5000, 53.1320) (69.7650, 76.8280) 6.3760
gf180mcu_fd_io__asig_5p0$1 (56.0000, 62.0000) (73.7150, 67.9600) 6.3760

PAD.18 : Pad opening space to active circuit Poly2 = 15.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:4560:external2

WARNING: The error count of 301 for this check exceeds the limit set in the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

Structure	(lower left x, y)	(upper right x, y)	Distance
trackA	(378.2050, 2863.9400)	(387.5000, 2878.1330)	11.4230
trackA	(376.7050, 2866.3600)	(391.6550, 2873.0000)	11.4230
trackA	(378.2050, 2861.2270)	(387.5000, 2874.6730)	13.7260
trackA	(376.7050, 2862.9000)	(389.2950, 2873.0000)	13.7260
trackA	(447.5000, 2863.9400)	(456.7050, 2878.2030)	11.3500
trackA	(443.2550, 2866.3600)	(458.2050, 2873.0000)	11.3500
trackA	(447.5000, 2861.1570)	(456.7050, 2874.7430)	13.6655
trackA	(445.6150, 2862.9000)	(458.2050, 2873.0000)	13.6655
trackA	(478.2050, 2863.9400)	(487.5000, 2878.1330)	11.4230
trackA	(476.7050, 2866.3600)	(491.6550, 2873.0000)	11.4230
trackA	(478.2050, 2861.2270)	(487.5000, 2874.6730)	13.7260
trackA	(476.7050, 2862.9000)	(489.2950, 2873.0000)	13.7260
trackA	(578.2050, 2863.9400)	(587.5000, 2878.1330)	11.4230
trackA	(576.7050, 2866.3600)	(591.6550, 2873.0000)	11.4230
trackA	(578.2050, 2861.2270)	(587.5000, 2874.6730)	13.7260
trackA	(576.7050, 2862.9000)	(589.2950, 2873.0000)	13.7260
trackA	(647.5000, 2863.9400)	(656.7050, 2878.2030)	11.3500
trackA	(643.2550, 2866.3600)	(658.2050, 2873.0000)	11.3500
trackA	(647.5000, 2861.1570)	(656.7050, 2874.7430)	13.6655
trackA	(645.6150, 2862.9000)	(658.2050, 2873.0000)	13.6655
trackA	(547.5000, 2863.9400)	(556.7050, 2878.2030)	11.3500
trackA	(543.2550, 2866.3600)	(558.2050, 2873.0000)	11.3500
trackA	(547.5000, 2861.1570)	(556.7050, 2874.7430)	13.6655
trackA	(545.6150, 2862.9000)	(558.2050, 2873.0000)	13.6655
trackA	(678.2050, 2863.9400)	(687.5000, 2878.1330)	11.4230
trackA	(676.7050, 2866.3600)	(691.6550, 2873.0000)	11.4230
trackA	(678.2050, 2861.2270)	(687.5000, 2874.6730)	13.7260
trackA	(676.7050, 2862.9000)	(689.2950, 2873.0000)	13.7260
trackA	(778.2050, 2863.9400)	(787.5000, 2878.1330)	11.4230
trackA	(776.7050, 2866.3600)	(791.6550, 2873.0000)	11.4230
trackA	(778.2050, 2861.2270)	(787.5000, 2874.6730)	13.7260
trackA	(776.7050, 2862.9000)	(789.2950, 2873.0000)	13.7260
trackA	(847.5000, 2863.9400)	(856.7050, 2878.2030)	11.3500
trackA	(843.2550, 2866.3600)	(858.2050, 2873.0000)	11.3500
trackA	(847.5000, 2861.1570)	(856.7050, 2874.7430)	13.6655
trackA	(845.6150, 2862.9000)	(858.2050, 2873.0000)	13.6655

trackA (878.2050, 2863.9400) (887.5000, 2878.1330) 11.4230
trackA (876.7050, 2866.3600) (891.6550, 2873.0000) 11.4230
trackA (878.2050, 2861.2270) (887.5000, 2874.6730) 13.7260
trackA (876.7050, 2862.9000) (889.2950, 2873.0000) 13.7260
trackA (747.5000, 2863.9400) (756.7050, 2878.2030) 11.3500
trackA (743.2550, 2866.3600) (758.2050, 2873.0000) 11.3500
trackA (747.5000, 2861.1570) (756.7050, 2874.7430) 13.6655
trackA (745.6150, 2862.9000) (758.2050, 2873.0000) 13.6655
trackA (978.2050, 2863.9400) (987.5000, 2878.1330) 11.4230
trackA (976.7050, 2866.3600) (991.6550, 2873.0000) 11.4230
trackA (978.2050, 2861.2270) (987.5000, 2874.6730) 13.7260
trackA (976.7050, 2862.9000) (989.2950, 2873.0000) 13.7260
trackA (1047.5000, 2863.9400) (1056.7050, 2878.2030) 11.3500
trackA (1043.2550, 2866.3600) (1058.2050, 2873.0000) 11.3500
trackA (1047.5000, 2861.1570) (1056.7050, 2874.7430) 13.6655
trackA (1045.6150, 2862.9000) (1058.2050, 2873.0000) 13.6655
trackA (1078.2050, 2863.9400) (1087.5000, 2878.1330) 11.4230
trackA (1076.7050, 2866.3600) (1091.6550, 2873.0000) 11.4230
trackA (1078.2050, 2861.2270) (1087.5000, 2874.6730) 13.7260
trackA (1076.7050, 2862.9000) (1089.2950, 2873.0000) 13.7260
trackA (947.5000, 2863.9400) (956.7050, 2878.2030) 11.3500
trackA (943.2550, 2866.3600) (958.2050, 2873.0000) 11.3500
trackA (947.5000, 2861.1570) (956.7050, 2874.7430) 13.6655
trackA (945.6150, 2862.9000) (958.2050, 2873.0000) 13.6655
trackA (1178.2050, 2863.9400) (1187.5000, 2878.1330) 11.4230
trackA (1176.7050, 2866.3600) (1191.6550, 2873.0000) 11.4230
trackA (1178.2050, 2861.2270) (1187.5000, 2874.6730) 13.7260
trackA (1176.7050, 2862.9000) (1189.2950, 2873.0000) 13.7260
trackA (1247.5000, 2863.9400) (1256.7050, 2878.2030) 11.3500
trackA (1243.2550, 2866.3600) (1258.2050, 2873.0000) 11.3500
trackA (1247.5000, 2861.1570) (1256.7050, 2874.7430) 13.6655
trackA (1245.6150, 2862.9000) (1258.2050, 2873.0000) 13.6655
trackA (1147.5000, 2863.9400) (1156.7050, 2878.2030) 11.3500
trackA (1143.2550, 2866.3600) (1158.2050, 2873.0000) 11.3500
trackA (1147.5000, 2861.1570) (1156.7050, 2874.7430) 13.6655
trackA (1145.6150, 2862.9000) (1158.2050, 2873.0000) 13.6655
trackA (1378.2050, 2863.9400) (1387.5000, 2878.1330) 11.4230
trackA (1376.7050, 2866.3600) (1391.6550, 2873.0000) 11.4230
trackA (1378.2050, 2861.2270) (1387.5000, 2874.6730) 13.7260
trackA (1376.7050, 2862.9000) (1389.2950, 2873.0000) 13.7260
trackA (1447.5000, 2863.9400) (1456.7050, 2878.2030) 11.3500
trackA (1443.2550, 2866.3600) (1458.2050, 2873.0000) 11.3500
trackA (1447.5000, 2861.1570) (1456.7050, 2874.7430) 13.6655
trackA (1445.6150, 2862.9000) (1458.2050, 2873.0000) 13.6655

trackA (1278.2050, 2863.9400) (1287.5000, 2878.1330) 11.4230
trackA (1276.7050, 2866.3600) (1291.6550, 2873.0000) 11.4230
trackA (1278.2050, 2861.2270) (1287.5000, 2874.6730) 13.7260
trackA (1276.7050, 2862.9000) (1289.2950, 2873.0000) 13.7260
trackA (1347.5000, 2863.9400) (1356.7050, 2878.2030) 11.3500
trackA (1343.2550, 2866.3600) (1358.2050, 2873.0000) 11.3500
trackA (1347.5000, 2861.1570) (1356.7050, 2874.7430) 13.6655
trackA (1345.6150, 2862.9000) (1358.2050, 2873.0000) 13.6655
gf180mcu_fd_io__dvss$1 (7.5000, 62.0000) (67.5000, 76.0750) 14.0750
gf180mcu_fd_io__dvss$1 (7.5000, 62.0000) (67.5000, 74.8550) 12.8550
gf180mcu_fd_io__dvdd$1 (7.8650, 62.0000) (67.1350, 76.3600) 14.3600
gf180mcu_fd_io__dvdd$1 (7.5000, 62.0000) (67.5000, 75.1400) 13.1400
gf180mcu_fd_io__bi_t$1 (16.0210, 62.0000) (32.9090, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (7.5000, 62.0000) (23.5390, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (27.7610, 62.0000) (44.6490, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (18.3910, 62.0000) (35.2790, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (39.5010, 62.0000) (56.3890, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (30.1310, 62.0000) (47.0190, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (51.2410, 62.0000) (67.5000, 74.7700) 12.7700
gf180mcu_fd_io__bi_t$1 (41.8710, 62.0000) (58.7590, 74.7700) 12.7700

PAD.19a_M1 : Pad opening to non-pad circuit Metal1, 2, 3, 4,5 up to
Top Metal-1 = 6.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:4578:external2

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (2869.4600, 2192.7630) (2873.0000, 2209.7390) 3.5400
trackA (62.0000, 2192.7630) (65.5400, 2209.7390) 3.5400
trackA (62.0000, 2192.7630) (67.6650, 2209.7390) 5.6650
trackA (62.0000, 1703.5970) (65.5400, 1720.5730) 3.5400
trackA (2869.4600, 1703.5970) (2873.0000, 1720.5730) 3.5400
trackA (2867.3350, 1703.5970) (2873.0000, 1720.5730) 5.6650
trackA (2869.4600, 1214.4310) (2873.0000, 1231.4070) 3.5400
trackA (62.0000, 1214.4310) (65.5400, 1231.4070) 3.5400
trackA (62.0000, 725.2650) (65.5400, 742.2410) 3.5400
trackA (2869.4600, 725.2650) (2873.0000, 742.2410) 3.5400
gf180mcu_fd_io__dvss$1 (2.6560, 62.0000) (72.3440, 65.5400) 3.5400
gf180mcu_fd_io__dvss$1 (5.5230, 62.0000) (69.4770, 67.6650) 5.6650

gf180mcu_fd_io__dvdd$1 (2.6560, 62.0000) (72.3440, 65.5400) 3.5400
gf180mcu_fd_io__dvdd$1 (6.7270, 62.0000) (68.2730, 67.9500) 5.9500
gf180mcu_fd_io__bi_t$1 (2.6560, 62.0000) (72.3440, 65.5400) 3.5400
gf180mcu_fd_io__asig_5p0$1 (2.6560, 62.0000) (72.3440, 65.5400) 3.5400

PAD.19a_M2 : Pad opening to non-pad circuit Metal1, 2, 3, 4,5 up to
Top Metal-1 = 6.0

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180
mcu_drc.rs:4582:external2

WARNING: The error count of 227 for this check exceeds the limit set in
the runset. Details only available for the first 100.

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (2141.6870, 2867.0500) (2143.3130, 2873.0000) 5.9500
trackA (2141.5400, 2867.0500) (2142.5400, 2873.0000) 5.9500
trackA (2140.7670, 2867.0500) (2142.5400, 2873.0000) 5.9500
trackA (2129.6900, 2867.0500) (2131.4630, 2873.0000) 5.9500
trackA (2129.6900, 2867.0500) (2130.6900, 2873.0000) 5.9500
trackA (2128.9170, 2867.0500) (2130.6900, 2873.0000) 5.9500
trackA (2117.6870, 2867.0500) (2119.6130, 2873.0000) 5.9500
trackA (2117.3870, 2867.0500) (2118.8400, 2873.0000) 5.9500
trackA (2116.1600, 2867.0500) (2118.8400, 2873.0000) 5.9500
trackA (2116.1600, 2867.0500) (2117.2330, 2873.0000) 5.9500
trackA (2115.3870, 2867.0500) (2116.9330, 2873.0000) 5.9500
trackA (2104.3100, 2867.0500) (2106.0830, 2873.0000) 5.9500
trackA (2104.1600, 2867.0500) (2105.2330, 2873.0000) 5.9500
trackA (2103.5370, 2867.0500) (2104.9330, 2873.0000) 5.9520
trackA (2093.3870, 2867.0500) (2094.2330, 2873.0000) 5.9910
trackA (2092.4600, 2867.0500) (2094.1600, 2873.0000) 5.9500
trackA (2092.1600, 2867.0500) (2093.2330, 2873.0000) 5.9500
trackA (2091.6870, 2867.0500) (2092.9330, 2873.0000) 5.9575
trackA (2441.6870, 2867.0500) (2443.3130, 2873.0000) 5.9500
trackA (2441.5400, 2867.0500) (2442.5400, 2873.0000) 5.9500
trackA (2440.7670, 2867.0500) (2442.5400, 2873.0000) 5.9500
trackA (2393.3870, 2867.0500) (2394.2330, 2873.0000) 5.9910
trackA (2392.4600, 2867.0500) (2394.1600, 2873.0000) 5.9500
trackA (2392.1600, 2867.0500) (2393.2330, 2873.0000) 5.9500
trackA (2391.6870, 2867.0500) (2392.9330, 2873.0000) 5.9575

trackA (2541.6870, 2867.0500) (2543.3130, 2873.0000) 5.9500
trackA (2541.5400, 2867.0500) (2542.5400, 2873.0000) 5.9500
trackA (2540.7670, 2867.0500) (2542.5400, 2873.0000) 5.9500
trackA (2529.6900, 2867.0500) (2531.4630, 2873.0000) 5.9500
trackA (2529.6900, 2867.0500) (2530.6900, 2873.0000) 5.9500
trackA (2528.9170, 2867.0500) (2530.6900, 2873.0000) 5.9500
trackA (2517.6870, 2867.0500) (2519.6130, 2873.0000) 5.9500
trackA (2517.3870, 2867.0500) (2518.8400, 2873.0000) 5.9500
trackA (2516.1600, 2867.0500) (2518.8400, 2873.0000) 5.9500
trackA (2516.1600, 2867.0500) (2517.2330, 2873.0000) 5.9500
trackA (2515.3870, 2867.0500) (2516.9330, 2873.0000) 5.9500
trackA (2504.3100, 2867.0500) (2506.0830, 2873.0000) 5.9500
trackA (2504.1600, 2867.0500) (2505.2330, 2873.0000) 5.9500
trackA (2503.5370, 2867.0500) (2504.9330, 2873.0000) 5.9520
trackA (2493.3870, 2867.0500) (2494.2330, 2873.0000) 5.9910
trackA (2492.4600, 2867.0500) (2494.1600, 2873.0000) 5.9500
trackA (2492.1600, 2867.0500) (2493.2330, 2873.0000) 5.9500
trackA (2491.6870, 2867.0500) (2492.9330, 2873.0000) 5.9575
trackA (2342.4830, 2867.3350) (2344.5170, 2873.0000) 5.9815
trackA (2342.1830, 2867.3350) (2344.4600, 2873.0000) 5.8920
trackA (2341.5400, 2867.3350) (2344.1600, 2873.0000) 5.6650
trackA (2341.5400, 2867.3350) (2342.5400, 2873.0000) 5.6650
trackA (2340.4600, 2867.3350) (2342.5400, 2873.0000) 5.6650
trackA (2340.1600, 2867.3350) (2342.4370, 2873.0000) 5.7670
trackA (2339.5630, 2867.3350) (2342.1370, 2873.0000) 5.8305
trackA (2292.4830, 2867.3350) (2295.4370, 2873.0000) 5.7525
trackA (2292.4600, 2867.3350) (2294.4600, 2873.0000) 5.7080
trackA (2292.4600, 2867.3350) (2294.1600, 2873.0000) 5.6650
trackA (2292.1600, 2867.3350) (2293.4600, 2873.0000) 5.6650
trackA (2290.4830, 2867.3350) (2293.4600, 2873.0000) 5.6730
trackA (62.0000, 2493.3870) (67.9500, 2494.2330) 5.9910
trackA (62.0000, 2492.4600) (67.9500, 2494.1600) 5.9500
trackA (62.0000, 2492.1600) (67.9500, 2493.2330) 5.9500
trackA (62.0000, 2491.6870) (67.9500, 2492.9330) 5.9575
trackA (62.0000, 2341.6870) (67.9500, 2343.3130) 5.9500
trackA (62.0000, 2341.5400) (67.9500, 2342.5400) 5.9500
trackA (62.0000, 2340.7670) (67.9500, 2342.5400) 5.9500
trackA (62.0000, 2442.4830) (67.6650, 2444.5170) 5.9815
trackA (62.0000, 2442.1830) (67.6650, 2444.4600) 5.8920
trackA (62.0000, 2441.5400) (67.6650, 2444.1600) 5.6650
trackA (62.0000, 2441.5400) (67.6650, 2442.5400) 5.6650
trackA (62.0000, 2440.4600) (67.6650, 2442.5400) 5.6650
trackA (62.0000, 2440.1600) (67.6650, 2442.4370) 5.7670
trackA (62.0000, 2439.5630) (67.6650, 2442.1370) 5.8305

trackA (62.0000, 2392.4830) (67.6650, 2395.4370) 5.7525
trackA (62.0000, 2392.4600) (67.6650, 2394.4600) 5.7080
trackA (62.0000, 2392.4600) (67.6650, 2394.1600) 5.6650
trackA (62.0000, 2392.1600) (67.6650, 2393.4600) 5.6650
trackA (62.0000, 2390.4830) (67.6650, 2393.4600) 5.6730
trackA (62.0000, 2242.4830) (67.6650, 2244.5170) 5.9815
trackA (62.0000, 2242.1830) (67.6650, 2244.4600) 5.8920
trackA (62.0000, 2241.5400) (67.6650, 2244.1600) 5.6650
trackA (62.0000, 2241.5400) (67.6650, 2242.5400) 5.6650
trackA (62.0000, 2240.4600) (67.6650, 2242.5400) 5.6650
trackA (62.0000, 2240.1600) (67.6650, 2242.4370) 5.7670
trackA (62.0000, 2239.5630) (67.6650, 2242.1370) 5.8305
trackA (62.0000, 2230.4830) (67.6650, 2232.6670) 5.9350
trackA (62.0000, 2230.1830) (67.6650, 2232.4600) 5.8525
trackA (62.0000, 2229.6900) (67.6650, 2232.1600) 5.6650
trackA (62.0000, 2229.6900) (67.6650, 2230.6900) 5.6650
trackA (62.0000, 2228.4600) (67.6650, 2230.6900) 5.6650
trackA (62.0000, 2228.1600) (67.6650, 2230.4370) 5.7970
trackA (62.0000, 2227.7130) (67.6650, 2230.1370) 5.8680
trackA (2867.3350, 1714.1830) (2873.0000, 1716.5170) 5.8920
trackA (2867.3350, 1714.5400) (2873.0000, 1716.8170) 5.8170
trackA (2867.3350, 1714.8400) (2873.0000, 1718.5170) 5.6650
trackA (2867.3350, 1716.1600) (2873.0000, 1718.8170) 5.6650
trackA (2867.3350, 1716.1600) (2873.0000, 1718.8400) 5.6650
trackA (2867.3350, 1716.5630) (2873.0000, 1718.8400) 5.6650
trackA (2867.3350, 1716.8630) (2873.0000, 1720.5400) 5.6650
trackA (2867.3350, 1718.5630) (2873.0000, 1720.8170) 5.9145
trackA (2867.3350, 1727.7130) (2873.0000, 1730.5170) 5.7805
trackA (2867.3350, 1728.5400) (2873.0000, 1730.6900) 5.7285
trackA (2867.3350, 1728.8400) (2873.0000, 1730.6900) 5.6650
trackA (2867.3350, 1729.6900) (2873.0000, 1730.8400) 5.6650

PL.12 : V5_Xtor enclose 5V COMP

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2354:not

- -

Structure (lower left x, y) (upper right x, y)

- -

trackA (1280.5250, 2287.7250) (1463.2250, 2428.7950)
trackA (1462.8450, 2413.4150) (1463.2250, 2415.8750)

trackA (1462.8450, 2405.8050) (1463.2250, 2408.2650)
trackA (1462.8450, 2398.1950) (1463.2250, 2400.6550)
trackA (1462.8450, 2390.5850) (1463.2250, 2393.0450)
trackA (1462.8450, 2382.9750) (1463.2250, 2385.4350)
trackA (1462.8450, 2375.3650) (1463.2250, 2377.8250)
trackA (1462.8450, 2367.7550) (1463.2250, 2370.2150)
trackA (1496.5400, 2329.1250) (1548.8300, 2417.0350)
trackA (1496.5400, 2413.4150) (1496.9000, 2415.8750)
trackA (1496.5400, 2405.8050) (1496.9000, 2408.2650)
trackA (1496.5400, 2398.1950) (1496.9000, 2400.6550)
trackA (1496.5400, 2390.5850) (1496.9000, 2393.0450)
trackA (1496.5400, 2382.9750) (1496.9000, 2385.4350)
trackA (1496.5400, 2375.3650) (1496.9000, 2377.8250)
trackA (1496.5400, 2367.7550) (1496.9000, 2370.2150)
trackA (1356.6500, 2358.4650) (1411.8900, 2421.9750)
trackA (1356.6500, 2387.1350) (1357.0300, 2387.8350)
trackA (1356.6500, 2381.2850) (1357.0300, 2381.9850)
trackA (1356.6500, 2375.4350) (1357.0300, 2376.1350)
trackA (1356.6500, 2369.5850) (1357.0300, 2370.2850)
trackA (1341.1100, 2363.4850) (1349.6300, 2394.4950)
trackA (1349.2500, 2387.1350) (1349.6300, 2387.8350)
trackA (1349.2500, 2381.2850) (1349.6300, 2381.9850)
trackA (1349.2500, 2375.4350) (1349.6300, 2376.1350)
trackA (1349.2500, 2369.5850) (1349.6300, 2370.2850)
trackA (1415.5500, 2361.1550) (1455.1300, 2421.9750)
trackA (1454.7500, 2413.4150) (1455.1300, 2415.8750)
trackA (1454.7500, 2405.8050) (1455.1300, 2408.2650)
trackA (1454.7500, 2398.1950) (1455.1300, 2400.6550)
trackA (1454.7500, 2390.5850) (1455.1300, 2393.0450)
trackA (1454.7500, 2382.9750) (1455.1300, 2385.4350)
trackA (1454.7500, 2375.3650) (1455.1300, 2377.8250)
trackA (1454.7500, 2367.7550) (1455.1300, 2370.2150)

PL.3 : Min. Poly2 Spacing : 0.24

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2299:external1

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (1395.0500, 2390.3920) (1395.2500, 2390.5250) 0.2000

trackA (1395.0500, 2390.8750) (1395.2500, 2391.0080) 0.2000
trackA (1395.0500, 2390.5250) (1395.2500, 2390.8750) 0.2000

PL.3b_MV : Min Poly2 space on COMP for low active sheet resistivity
(guideline)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2312:outside
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (494.2900, 1175.4050) (495.1100, 1175.7250)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (7.2800, 0.7800) (7.5200, 1.1400)
gf180mcu_fd_sc_mcu7t5v0__dffrnq_1 (6.4400, 0.7800) (6.6800, 1.1400)

PL.4 : Min. Poly2 Extension beyond COMP to form end cap : 0.22

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2324:internal1
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.0100, 2368.5250) (1358.0900, 2368.6150) 0.0900
trackA (1358.0900, 2368.5250) (1358.2910, 2368.6150) 0.0900
trackA (1358.9500, 2368.5250) (1359.3900, 2368.6150) 0.0900
trackA (1358.7490, 2368.5250) (1358.9500, 2368.6150) 0.0900
trackA (1367.3200, 2368.5250) (1367.4000, 2368.6150) 0.0900
trackA (1367.4000, 2368.5250) (1367.6010, 2368.6150) 0.0900
trackA (1368.2600, 2368.5250) (1368.7000, 2368.6150) 0.0900
trackA (1368.0590, 2368.5250) (1368.2600, 2368.6150) 0.0900
trackA (1376.6300, 2368.5250) (1376.7100, 2368.6150) 0.0900
trackA (1376.7100, 2368.5250) (1376.9110, 2368.6150) 0.0900
trackA (1377.5700, 2368.5250) (1378.0100, 2368.6150) 0.0900
trackA (1377.3690, 2368.5250) (1377.5700, 2368.6150) 0.0900
trackA (1385.9400, 2368.5250) (1386.0200, 2368.6150) 0.0900
trackA (1386.0200, 2368.5250) (1386.2210, 2368.6150) 0.0900
trackA (1386.8800, 2368.5250) (1387.3200, 2368.6150) 0.0900
trackA (1386.6790, 2368.5250) (1386.8800, 2368.6150) 0.0900

trackA (1358.0100, 2383.0250) (1358.3100, 2383.1750) 0.1500
trackA (1358.7300, 2383.0250) (1359.3900, 2383.1750) 0.1500
trackA (1367.3200, 2383.0250) (1367.6200, 2383.1750) 0.1500
trackA (1368.0400, 2383.0250) (1368.7000, 2383.1750) 0.1500
trackA (1376.6300, 2383.0250) (1376.9300, 2383.1750) 0.1500
trackA (1377.3500, 2383.0250) (1378.0100, 2383.1750) 0.1500
trackA (1385.9400, 2383.0250) (1386.2400, 2383.1750) 0.1500
trackA (1386.6600, 2383.0250) (1387.3200, 2383.1750) 0.1500

PL.6 : (Poly2 gate not touching YMTP_MK) with 90 degree bends are
not allowed.

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2336:external1_error
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.0000, 2390.5150) (1358.0100, 2390.5250) 0.0000
trackA (1359.3900, 2390.5150) (1359.4000, 2390.5250) 0.0000
trackA (1367.3100, 2390.5150) (1367.3200, 2390.5250) 0.0000
trackA (1368.7000, 2390.5150) (1368.7100, 2390.5250) 0.0000
trackA (1376.6200, 2390.5150) (1376.6300, 2390.5250) 0.0000
trackA (1378.0100, 2390.5150) (1378.0200, 2390.5250) 0.0000
trackA (1385.9300, 2390.5150) (1385.9400, 2390.5250) 0.0000
trackA (1387.3200, 2390.5150) (1387.3300, 2390.5250) 0.0000

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2337:internal1_error
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.0100, 2383.6150) (1358.0200, 2383.6250) 0.0000
trackA (1358.0100, 2390.2750) (1358.0200, 2390.2850) 0.0000
trackA (1359.3800, 2383.6150) (1359.3900, 2383.6250) 0.0000
trackA (1359.3800, 2390.2750) (1359.3900, 2390.2850) 0.0000
trackA (1367.3200, 2383.6150) (1367.3300, 2383.6250) 0.0000
trackA (1367.3200, 2390.2750) (1367.3300, 2390.2850) 0.0000
trackA (1368.6900, 2383.6150) (1368.7000, 2383.6250) 0.0000
trackA (1368.6900, 2390.2750) (1368.7000, 2390.2850) 0.0000
trackA (1376.6300, 2383.6150) (1376.6400, 2383.6250) 0.0000
trackA (1376.6300, 2390.2750) (1376.6400, 2390.2850) 0.0000

trackA (1378.0000, 2383.6150) (1378.0100, 2383.6250) 0.0000
trackA (1378.0000, 2390.2750) (1378.0100, 2390.2850) 0.0000
trackA (1385.9400, 2383.6150) (1385.9500, 2383.6250) 0.0000
trackA (1385.9400, 2390.2750) (1385.9500, 2390.2850) 0.0000
trackA (1387.3100, 2383.6150) (1387.3200, 2383.6250) 0.0000
trackA (1387.3100, 2390.2750) (1387.3200, 2390.2850) 0.0000

PL.8 : Poly2 coverage over the entire die shall be >= 14%

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2815:density
- -
Structure Window (x1,y1) (x2,y2)
Report = Value
- -
trackA (0.0000, 0.0000) (2935.0000, 2935.0000)
Min ratio = 0.1036
Max ratio = 0.1036
Avg ratio = 0.1036
Min areaL1 = 892830.6962
Max areaL1 = 892830.6962
Avg areaL1 = 892830.6962
Min areaW = 8614225.0000
Max areaW = 8614225.0000
Avg areaW = 8614225.0000

PP.11 : Butting Pplus and NCOMP is forbidden within 0.43um of Nwell
edge (for outside DNWELL) and of LVPWELL edge (for inside DNWELL case)

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2646:and
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1351.8510, 2366.3540) (1352.7090, 2366.3550)
trackA (1351.8510, 2372.2040) (1352.7090, 2372.2050)
trackA (1351.8510, 2378.0540) (1352.7090, 2378.0550)
trackA (1351.8510, 2383.9040) (1352.7090, 2383.9050)

trackA (1351.8510, 2389.7540) (1352.7090, 2389.7550)

PP.12 : Pplus overlap with N-channel Poly2 gate extension is forbidden
within 0.32um of N-channel gate

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2654:and
- -
Structure (lower left x, y) (upper right x, y)
- -
trackA (1348.7600, 2367.1250) (1349.0800, 2367.6250)
trackA (1349.8000, 2367.1250) (1350.1200, 2367.6250)
trackA (1348.7600, 2372.9750) (1349.0800, 2373.4750)
trackA (1348.7600, 2378.8250) (1349.0800, 2379.3250)
trackA (1348.7600, 2384.6750) (1349.0800, 2385.1750)
trackA (1348.7600, 2390.5250) (1349.0800, 2391.0250)
trackA (1349.8000, 2372.9750) (1350.1200, 2373.4750)
trackA (1349.8000, 2378.8250) (1350.1200, 2379.3250)
trackA (1349.8000, 2384.6750) (1350.1200, 2385.1750)
trackA (1349.8000, 2390.5250) (1350.1200, 2391.0250)
trackA (1358.0100, 2368.5250) (1358.3100, 2368.5650)
trackA (1358.7300, 2368.5250) (1359.0500, 2368.5650)
trackA (1367.3200, 2368.5250) (1367.6200, 2368.5650)
trackA (1368.0400, 2368.5250) (1368.3600, 2368.5650)
trackA (1376.6300, 2368.5250) (1376.9300, 2368.5650)
trackA (1377.3500, 2368.5250) (1377.6700, 2368.5650)
trackA (1385.9400, 2368.5250) (1386.2400, 2368.5650)
trackA (1386.6600, 2368.5250) (1386.9800, 2368.5650)
trackA (1357.7400, 2390.2750) (1358.0600, 2391.0250)
trackA (1358.9800, 2390.2750) (1359.3000, 2391.0250)
trackA (1367.0500, 2390.2750) (1367.3700, 2391.0250)
trackA (1368.2900, 2390.2750) (1368.6100, 2391.0250)
trackA (1376.3600, 2390.2750) (1376.6800, 2391.0250)
trackA (1377.6000, 2390.2750) (1377.9200, 2391.0250)
trackA (1385.6700, 2390.2750) (1385.9900, 2391.0250)
trackA (1386.9100, 2390.2750) (1387.2300, 2391.0250)
trackA (1454.2600, 2365.2950) (1454.5800, 2365.7950)
trackA (1455.3000, 2365.2950) (1455.6200, 2365.7950)
trackA (1454.2600, 2372.9050) (1454.5800, 2373.4050)
trackA (1454.2600, 2380.5150) (1454.5800, 2381.0150)
trackA (1454.2600, 2388.1250) (1454.5800, 2388.6250)

trackA (1454.2600, 2395.7350) (1454.5800, 2396.2350)
trackA (1454.2600, 2403.3450) (1454.5800, 2403.8450)
trackA (1454.2600, 2410.9550) (1454.5800, 2411.4550)
trackA (1454.2600, 2418.5650) (1454.5800, 2419.0650)
trackA (1455.3000, 2372.9050) (1455.6200, 2373.4050)
trackA (1455.3000, 2380.5150) (1455.6200, 2381.0150)
trackA (1455.3000, 2388.1250) (1455.6200, 2388.6250)
trackA (1455.3000, 2395.7350) (1455.6200, 2396.2350)
trackA (1455.3000, 2403.3450) (1455.6200, 2403.8450)
trackA (1455.3000, 2410.9550) (1455.6200, 2411.4550)
trackA (1455.3000, 2418.5650) (1455.6200, 2419.0650)

PP.2 : Min. Pplus Space : 0.4

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2514:external1

WARNING: The error count of 132 for this check exceeds the limit set in
the runset. Details only available for the first 100.

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

trackA (1357.8000, 2389.5450) (1358.1400, 2389.7550) 0.2100
trackA (1358.9000, 2389.5450) (1359.2400, 2389.7550) 0.2100
trackA (1367.1100, 2389.5450) (1367.4500, 2389.7550) 0.2100
trackA (1368.2100, 2389.5450) (1368.5500, 2389.7550) 0.2100
trackA (1385.7300, 2389.5450) (1386.0700, 2389.7550) 0.2100
trackA (1386.8300, 2389.5450) (1387.1700, 2389.7550) 0.2100
trackA (1376.4200, 2389.5450) (1376.7600, 2389.7550) 0.2100
trackA (1377.5200, 2389.5450) (1377.8600, 2389.7550) 0.2100
trackA (1358.1400, 2389.5450) (1358.9000, 2389.7550) 0.2100
trackA (1367.4500, 2389.5450) (1368.2100, 2389.7550) 0.2100
trackA (1376.7600, 2389.5450) (1377.5200, 2389.7550) 0.2100
trackA (1386.0700, 2389.5450) (1386.8300, 2389.7550) 0.2100
trackA (516.4350, 1226.4260) (516.8250, 1226.5150) 0.3900
trackA (516.4350, 1226.1250) (516.5240, 1226.5150) 0.3900
trackA (510.9860, 1226.1250) (511.0750, 1226.5150) 0.3900
trackA (510.6850, 1226.4260) (511.0750, 1226.5150) 0.3900
trackA (581.4860, 1226.1250) (581.5750, 1226.5150) 0.3900
trackA (581.1850, 1226.4260) (581.5750, 1226.5150) 0.3900
trackA (586.9350, 1226.4260) (587.3250, 1226.5150) 0.3900

trackA (586.9350, 1226.1250) (587.0240, 1226.5150) 0.3900
trackA (511.0750, 1226.1250) (516.4350, 1226.5150) 0.3900
trackA (510.6850, 1226.5150) (511.0750, 1254.8750) 0.3900
trackA (516.4350, 1226.5150) (516.8250, 1254.8750) 0.3900
trackA (581.5750, 1226.1250) (586.9350, 1226.5150) 0.3900
trackA (581.1850, 1226.5150) (581.5750, 1254.8750) 0.3900
trackA (586.9350, 1226.5150) (587.3250, 1254.8750) 0.3900
trackA (651.9860, 1226.1250) (652.0750, 1226.5150) 0.3900
trackA (651.6850, 1226.4260) (652.0750, 1226.5150) 0.3900
trackA (657.4350, 1226.4260) (657.8250, 1226.5150) 0.3900
trackA (657.4350, 1226.1250) (657.5240, 1226.5150) 0.3900
trackA (727.9350, 1226.4260) (728.3250, 1226.5150) 0.3900
trackA (727.9350, 1226.1250) (728.0240, 1226.5150) 0.3900
trackA (722.4860, 1226.1250) (722.5750, 1226.5150) 0.3900
trackA (722.1850, 1226.4260) (722.5750, 1226.5150) 0.3900
trackA (652.0750, 1226.1250) (657.4350, 1226.5150) 0.3900
trackA (651.6850, 1226.5150) (652.0750, 1254.8750) 0.3900
trackA (657.4350, 1226.5150) (657.8250, 1254.8750) 0.3900
trackA (722.5750, 1226.1250) (727.9350, 1226.5150) 0.3900
trackA (722.1850, 1226.5150) (722.5750, 1254.8750) 0.3900
trackA (727.9350, 1226.5150) (728.3250, 1254.8750) 0.3900
trackA (510.6850, 1254.8750) (511.0750, 1254.9640) 0.3900
trackA (516.4350, 1254.8750) (516.8250, 1254.9640) 0.3900
trackA (516.4350, 1260.3260) (516.8250, 1260.4150) 0.3900
trackA (510.6850, 1260.3260) (511.0750, 1260.4150) 0.3900
trackA (510.6850, 1288.7750) (511.0750, 1288.8640) 0.3900
trackA (510.9860, 1288.7750) (511.0750, 1289.1650) 0.3900
trackA (516.4350, 1288.7750) (516.5240, 1289.1650) 0.3900
trackA (516.4350, 1288.7750) (516.8250, 1288.8640) 0.3900
trackA (581.1850, 1254.8750) (581.5750, 1254.9640) 0.3900
trackA (581.1850, 1260.3260) (581.5750, 1260.4150) 0.3900
trackA (586.9350, 1254.8750) (587.3250, 1254.9640) 0.3900
trackA (586.9350, 1260.3260) (587.3250, 1260.4150) 0.3900
trackA (581.1850, 1288.7750) (581.5750, 1288.8640) 0.3900
trackA (581.4860, 1288.7750) (581.5750, 1289.1650) 0.3900
trackA (586.9350, 1288.7750) (587.0240, 1289.1650) 0.3900
trackA (586.9350, 1288.7750) (587.3250, 1288.8640) 0.3900
trackA (511.0750, 1288.7750) (516.4350, 1289.1650) 0.3900
trackA (510.6850, 1260.4150) (511.0750, 1288.7750) 0.3900
trackA (516.4350, 1260.4150) (516.8250, 1288.7750) 0.3900
trackA (581.5750, 1288.7750) (586.9350, 1289.1650) 0.3900
trackA (581.1850, 1260.4150) (581.5750, 1288.7750) 0.3900
trackA (586.9350, 1260.4150) (587.3250, 1288.7750) 0.3900
trackA (651.6850, 1254.8750) (652.0750, 1254.9640) 0.3900

trackA (651.6850, 1260.3260) (652.0750, 1260.4150) 0.3900
trackA (657.4350, 1254.8750) (657.8250, 1254.9640) 0.3900
trackA (657.4350, 1260.3260) (657.8250, 1260.4150) 0.3900
trackA (722.1850, 1254.8750) (722.5750, 1254.9640) 0.3900
trackA (727.9350, 1254.8750) (728.3250, 1254.9640) 0.3900
trackA (727.9350, 1260.3260) (728.3250, 1260.4150) 0.3900
trackA (722.1850, 1260.3260) (722.5750, 1260.4150) 0.3900
trackA (651.6850, 1288.7750) (652.0750, 1288.8640) 0.3900
trackA (651.9860, 1288.7750) (652.0750, 1289.1650) 0.3900
trackA (657.4350, 1288.7750) (657.5240, 1289.1650) 0.3900
trackA (657.4350, 1288.7750) (657.8250, 1288.8640) 0.3900
trackA (722.1850, 1288.7750) (722.5750, 1288.8640) 0.3900
trackA (722.4860, 1288.7750) (722.5750, 1289.1650) 0.3900
trackA (727.9350, 1288.7750) (728.0240, 1289.1650) 0.3900
trackA (727.9350, 1288.7750) (728.3250, 1288.8640) 0.3900
trackA (652.0750, 1288.7750) (657.4350, 1289.1650) 0.3900
trackA (651.6850, 1260.4150) (652.0750, 1288.7750) 0.3900
trackA (657.4350, 1260.4150) (657.8250, 1288.7750) 0.3900
trackA (722.5750, 1288.7750) (727.9350, 1289.1650) 0.3900
trackA (722.1850, 1260.4150) (722.5750, 1288.7750) 0.3900
trackA (727.9350, 1260.4150) (728.3250, 1288.7750) 0.3900
trackA (537.3900, 1306.7150) (537.4790, 1307.1050) 0.3900
trackA (531.4410, 1306.7150) (531.5300, 1307.1050) 0.3900
trackA (545.3900, 1306.7150) (545.4790, 1307.1050) 0.3900
trackA (539.4410, 1306.7150) (539.5300, 1307.1050) 0.3900
trackA (561.3500, 1306.7150) (561.4390, 1307.1050) 0.3900
trackA (555.4010, 1306.7150) (555.4900, 1307.1050) 0.3900
trackA (563.4010, 1306.7150) (563.4900, 1307.1050) 0.3900
trackA (561.3500, 1358.4750) (561.4390, 1358.8650) 0.3900
trackA (555.4010, 1358.4750) (555.4900, 1358.8650) 0.3900
trackA (563.4010, 1358.4750) (563.4900, 1358.8650) 0.3900
op_buffer (6.7000, -73.2400) (6.9650, -72.9400) 0.3000
op_buffer (-6.9650, -73.2400) (-6.7000, -72.9400) 0.3000
op_buffer (-6.9650, -41.0000) (-6.7000, -40.7000) 0.3000
op_buffer (6.7000, -41.0000) (6.9650, -40.7000) 0.3000
op_buffer (-6.7000, -73.2400) (6.7000, -72.9400) 0.3000
op_buffer (-6.7000, -41.0000) (6.7000, -40.7000) 0.3000

PP.3c(ii) : Pplus space to NCOMP outside DNWELL for NCOMP space to Nwell < 0.43 : 0.16

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2539:external2

WARNING: The error count of 108 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Structure	(lower left x, y)	(upper right x, y)	Distance
trackA	(458.1060, 1158.0255)	(458.2780, 1158.0850)	0.0000
trackA	(458.1060, 1157.9250)	(458.1700, 1158.0850)	0.0000
trackA	(462.0620, 1158.0255)	(462.2340, 1158.0850)	0.0000
trackA	(462.1700, 1157.9250)	(462.2340, 1158.0850)	0.0000
trackA	(465.9460, 1158.0255)	(466.1180, 1158.0850)	0.0000
trackA	(465.9460, 1157.9250)	(466.0100, 1158.0850)	0.0000
trackA	(469.9020, 1158.0255)	(470.0740, 1158.0850)	0.0000
trackA	(470.0100, 1157.9250)	(470.0740, 1158.0850)	0.0000
trackA	(473.7860, 1158.0255)	(473.9580, 1158.0850)	0.0000
trackA	(473.7860, 1157.9250)	(473.8500, 1158.0850)	0.0000
trackA	(477.7420, 1158.0255)	(477.9140, 1158.0850)	0.0000
trackA	(477.8500, 1157.9250)	(477.9140, 1158.0850)	0.0000
trackA	(481.6260, 1158.0255)	(481.7980, 1158.0850)	0.0000
trackA	(481.6260, 1157.9250)	(481.6900, 1158.0850)	0.0000
trackA	(485.5820, 1158.0255)	(485.7540, 1158.0850)	0.0000
trackA	(485.6900, 1157.9250)	(485.7540, 1158.0850)	0.0000
trackA	(489.4660, 1158.0255)	(489.6380, 1158.0850)	0.0000
trackA	(489.4660, 1157.9250)	(489.5300, 1158.0850)	0.0000
trackA	(493.4220, 1158.0255)	(493.5940, 1158.0850)	0.0000
trackA	(493.5300, 1157.9250)	(493.5940, 1158.0850)	0.0000
trackA	(497.3060, 1158.0255)	(497.4780, 1158.0850)	0.0000
trackA	(497.3060, 1157.9250)	(497.3700, 1158.0850)	0.0000
trackA	(458.1060, 1162.4450)	(458.2780, 1162.5045)	0.0000
trackA	(458.1060, 1162.4450)	(458.1700, 1162.6050)	0.0000
trackA	(458.1060, 1163.1055)	(458.2780, 1163.1650)	0.0000
trackA	(458.1060, 1163.0050)	(458.1700, 1163.1650)	0.0000
trackA	(462.0620, 1161.8850)	(462.2340, 1161.9445)	0.0000
trackA	(462.1700, 1161.8850)	(462.2340, 1162.0450)	0.0000
trackA	(462.0620, 1162.5455)	(462.2340, 1162.6050)	0.0000
trackA	(462.1700, 1162.4450)	(462.2340, 1162.6050)	0.0000
trackA	(469.9020, 1161.8850)	(470.0740, 1161.9445)	0.0000
trackA	(470.0100, 1161.8850)	(470.0740, 1162.0450)	0.0000
trackA	(469.9020, 1162.5455)	(470.0740, 1162.6050)	0.0000
trackA	(470.0100, 1162.4450)	(470.0740, 1162.6050)	0.0000
trackA	(477.7420, 1161.8850)	(477.9140, 1161.9445)	0.0000
trackA	(477.8500, 1161.8850)	(477.9140, 1162.0450)	0.0000

trackA	(477.7420, 1162.5455)	(477.9140, 1162.6050) 0.0000
trackA	(477.8500, 1162.4450)	(477.9140, 1162.6050) 0.0000
trackA	(485.5820, 1161.8850)	(485.7540, 1161.9445) 0.0000
trackA	(485.6900, 1161.8850)	(485.7540, 1162.0450) 0.0000
trackA	(485.5820, 1162.5455)	(485.7540, 1162.6050) 0.0000
trackA	(485.6900, 1162.4450)	(485.7540, 1162.6050) 0.0000
trackA	(493.4220, 1161.8850)	(493.5940, 1161.9445) 0.0000
trackA	(493.5300, 1161.8850)	(493.5940, 1162.0450) 0.0000
trackA	(493.4220, 1162.5455)	(493.5940, 1162.6050) 0.0000
trackA	(493.5300, 1162.4450)	(493.5940, 1162.6050) 0.0000
trackA	(497.3060, 1162.4450)	(497.4780, 1162.5045) 0.0000
trackA	(497.3060, 1162.4450)	(497.3700, 1162.6050) 0.0000
trackA	(497.3060, 1163.1055)	(497.4780, 1163.1650) 0.0000
trackA	(497.3060, 1163.0050)	(497.3700, 1163.1650) 0.0000
trackA	(458.1060, 1182.0450)	(458.2780, 1182.1045) 0.0000
trackA	(458.1060, 1182.0450)	(458.1700, 1182.2050) 0.0000
trackA	(465.9460, 1182.0450)	(466.1180, 1182.1045) 0.0000
trackA	(465.9460, 1182.0450)	(466.0100, 1182.2050) 0.0000
trackA	(458.1060, 1182.7055)	(458.2780, 1182.7650) 0.0000
trackA	(458.1060, 1182.6050)	(458.1700, 1182.7650) 0.0000
trackA	(465.9460, 1182.7055)	(466.1180, 1182.7650) 0.0000
trackA	(465.9460, 1182.6050)	(466.0100, 1182.7650) 0.0000
trackA	(473.7860, 1182.0450)	(473.9580, 1182.1045) 0.0000
trackA	(473.7860, 1182.0450)	(473.8500, 1182.2050) 0.0000
trackA	(481.6260, 1182.0450)	(481.7980, 1182.1045) 0.0000
trackA	(481.6260, 1182.0450)	(481.6900, 1182.2050) 0.0000
trackA	(473.7860, 1182.7055)	(473.9580, 1182.7650) 0.0000
trackA	(473.7860, 1182.6050)	(473.8500, 1182.7650) 0.0000
trackA	(481.6260, 1182.7055)	(481.7980, 1182.7650) 0.0000
trackA	(481.6260, 1182.6050)	(481.6900, 1182.7650) 0.0000
trackA	(489.4660, 1182.0450)	(489.6380, 1182.1045) 0.0000
trackA	(489.4660, 1182.0450)	(489.5300, 1182.2050) 0.0000
trackA	(497.3060, 1182.0450)	(497.4780, 1182.1045) 0.0000
trackA	(497.3060, 1182.0450)	(497.3700, 1182.2050) 0.0000
trackA	(489.4660, 1182.7055)	(489.6380, 1182.7650) 0.0000
trackA	(489.4660, 1182.6050)	(489.5300, 1182.7650) 0.0000
trackA	(497.3060, 1182.7055)	(497.4780, 1182.7650) 0.0000
trackA	(497.3060, 1182.6050)	(497.3700, 1182.7650) 0.0000
trackA	(458.1060, 1201.6850)	(458.2780, 1201.7445) 0.0000
trackA	(458.1060, 1201.6850)	(458.1700, 1201.8450) 0.0000
trackA	(462.0620, 1201.6850)	(462.2340, 1201.7445) 0.0000
trackA	(462.1700, 1201.6850)	(462.2340, 1201.8450) 0.0000
trackA	(465.9460, 1201.6850)	(466.1180, 1201.7445) 0.0000
trackA	(465.9460, 1201.6850)	(466.0100, 1201.8450) 0.0000

trackA (469.9020, 1201.6850) (470.0740, 1201.7445) 0.0000
trackA (470.0100, 1201.6850) (470.0740, 1201.8450) 0.0000
trackA (473.7860, 1201.6850) (473.9580, 1201.7445) 0.0000
trackA (473.7860, 1201.6850) (473.8500, 1201.8450) 0.0000
trackA (477.7420, 1201.6850) (477.9140, 1201.7445) 0.0000
trackA (477.8500, 1201.6850) (477.9140, 1201.8450) 0.0000
trackA (481.6260, 1201.6850) (481.7980, 1201.7445) 0.0000
trackA (481.6260, 1201.6850) (481.6900, 1201.8450) 0.0000
gf180mcu_fd_sc_mcu7t5v0__endcap (0.2000, 1.8560) (0.2595, 2.0280) 0.0000
gf180mcu_fd_sc_mcu7t5v0__endcap (0.2000, 1.8560) (0.3600, 1.9200) 0.0000
gf180mcu_fd_io__bi_t$1 (6.6350, 199.3000) (6.7740, 199.3800) 0.0800
gf180mcu_fd_io__bi_t$1 (68.2260, 199.3000) (68.3650, 199.3800) 0.0800
gf180mcu_fd_io__bi_t$1 (68.4600, 199.0230) (68.5550, 199.1520) 0.0950
gf180mcu_fd_io__bi_t$1 (6.4450, 199.0230) (6.5400, 199.1520) 0.0950
gf180mcu_fd_io__bi_t$1 (6.4450, 132.1980) (6.5400, 132.3270) 0.0950
gf180mcu_fd_io__bi_t$1 (68.4600, 132.1980) (68.5550, 132.3270) 0.0950
gf180mcu_fd_io__bi_t$1 (6.7740, 199.3000) (68.2260, 199.3800) 0.0800
gf180mcu_fd_io__bi_t$1 (68.4600, 132.3270) (68.5550, 199.0230) 0.0950
gf180mcu_fd_io__bi_t$1 (6.4450, 132.3270) (6.5400, 199.0230) 0.0950
gf180mcu_fd_io__bi_t$1 (9.8200, 71.7350) (65.1850, 71.8100) 0.0750

PP.4a : Pplus space to related N-channel gate at a butting edge parallel
to gate : 0.32

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2562:external2
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1368.7000, 2383.6250) (1368.8550, 2383.9050) 0.2800
trackA (1367.1650, 2383.6250) (1367.3200, 2383.9050) 0.2800
trackA (1357.8550, 2383.6250) (1358.0100, 2383.9050) 0.2800
trackA (1378.0100, 2383.6250) (1378.1650, 2383.9050) 0.2800
trackA (1385.7850, 2383.6250) (1385.9400, 2383.9050) 0.2800
trackA (1359.3900, 2383.6250) (1359.5450, 2383.9050) 0.2800
trackA (1387.3200, 2383.6250) (1387.4750, 2383.9050) 0.2800
trackA (1376.4750, 2383.6250) (1376.6300, 2383.9050) 0.2800
trackA (1358.0100, 2383.6250) (1359.3900, 2383.9050) 0.2800
trackA (1367.3200, 2383.6250) (1368.7000, 2383.9050) 0.2800
trackA (1376.6300, 2383.6250) (1378.0100, 2383.9050) 0.2800
trackA (1385.9400, 2383.6250) (1387.3200, 2383.9050) 0.2800

PP.5a : Pplus overlap of P-channel gate : 0.23

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2579:enclose

- -

Structure	(lower left x, y)	(upper right x, y)	Distance
Unnamed_02d9ae27	(-8.5400, 18.3550)	(-8.4920, 18.5800)	0.2250
Unnamed_02d9ae27	(-8.8680, 18.3550)	(-8.8200, 18.5800)	0.2250
Unnamed_02d9ae27	(-8.8200, 18.3550)	(-8.5400, 18.5800)	0.2250
Unnamed_02d9ae27	(-5.9200, 18.3550)	(-5.8720, 18.5800)	0.2250
Unnamed_02d9ae27	(-6.2480, 18.3550)	(-6.2000, 18.5800)	0.2250
Unnamed_02d9ae27	(-6.2000, 18.3550)	(-5.9200, 18.5800)	0.2250
Unnamed_02d9ae27	(-4.7800, 18.3550)	(-4.7320, 18.5800)	0.2250
Unnamed_02d9ae27	(-5.1080, 18.3550)	(-5.0600, 18.5800)	0.2250
Unnamed_02d9ae27	(-5.0600, 18.3550)	(-4.7800, 18.5800)	0.2250
Unnamed_02d9ae27	(-2.2600, 18.3550)	(-2.2120, 18.5800)	0.2250
Unnamed_02d9ae27	(-2.5880, 18.3550)	(-2.5400, 18.5800)	0.2250
Unnamed_02d9ae27	(-2.5400, 18.3550)	(-2.2600, 18.5800)	0.2250
Unnamed_02d9ae27	(-1.1200, 18.3550)	(-1.0720, 18.5800)	0.2250
Unnamed_02d9ae27	(-1.4480, 18.3550)	(-1.4000, 18.5800)	0.2250
Unnamed_02d9ae27	(-1.4000, 18.3550)	(-1.1200, 18.5800)	0.2250
Unnamed_02d9ae27	(1.4000, 18.3550)	(1.4480, 18.5800)	0.2250
Unnamed_02d9ae27	(1.0720, 18.3550)	(1.1200, 18.5800)	0.2250
Unnamed_02d9ae27	(1.1200, 18.3550)	(1.4000, 18.5800)	0.2250
Unnamed_02d9ae27	(2.5400, 18.3550)	(2.5880, 18.5800)	0.2250
Unnamed_02d9ae27	(2.2120, 18.3550)	(2.2600, 18.5800)	0.2250
Unnamed_02d9ae27	(2.2600, 18.3550)	(2.5400, 18.5800)	0.2250
Unnamed_02d9ae27	(5.0600, 18.3550)	(5.1080, 18.5800)	0.2250
Unnamed_02d9ae27	(4.7320, 18.3550)	(4.7800, 18.5800)	0.2250
Unnamed_02d9ae27	(4.7800, 18.3550)	(5.0600, 18.5800)	0.2250
Unnamed_02d9ae27	(6.2000, 18.3550)	(6.2480, 18.5800)	0.2250
Unnamed_02d9ae27	(5.8720, 18.3550)	(5.9200, 18.5800)	0.2250
Unnamed_02d9ae27	(5.9200, 18.3550)	(6.2000, 18.5800)	0.2250
Unnamed_02d9ae27	(8.8200, 18.3550)	(8.8680, 18.5800)	0.2250
Unnamed_02d9ae27	(8.4920, 18.3550)	(8.5400, 18.5800)	0.2250
Unnamed_02d9ae27	(8.5400, 18.3550)	(8.8200, 18.5800)	0.2250

PP.5b : Pplus extension beyond COMP for the COMP (1) inside NWELL
(2) outside LVPWELL but inside DNWELL : 0.16

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2587:enclose
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1358.3000, 2374.9350) (1358.7400, 2375.0450) 0.1100
trackA (1358.1840, 2374.9350) (1358.3000, 2375.0450) 0.1100
trackA (1358.7400, 2374.9350) (1358.8560, 2375.0450) 0.1100
trackA (1367.6100, 2374.9350) (1368.0500, 2375.0450) 0.1100
trackA (1367.4940, 2374.9350) (1367.6100, 2375.0450) 0.1100
trackA (1368.0500, 2374.9350) (1368.1660, 2375.0450) 0.1100
trackA (1376.9200, 2374.9350) (1377.3600, 2375.0450) 0.1100
trackA (1376.8040, 2374.9350) (1376.9200, 2375.0450) 0.1100
trackA (1377.3600, 2374.9350) (1377.4760, 2375.0450) 0.1100
trackA (1386.2300, 2374.9350) (1386.6700, 2375.0450) 0.1100
trackA (1386.1140, 2374.9350) (1386.2300, 2375.0450) 0.1100
trackA (1386.6700, 2374.9350) (1386.7860, 2375.0450) 0.1100

PP.5c(ii) : Pplus extension beyond COMP inside DNWELL for LVPWELL
overlap of Pplus < 0.43 : 0.16

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2594:enclose
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1502.5650, 2335.1450) (1502.5815, 2335.1765) 0.0165
trackA (1523.3985, 2335.1450) (1523.4150, 2335.1765) 0.0165
trackA (1523.3985, 2371.5835) (1523.4150, 2371.6150) 0.0165
trackA (1502.5650, 2371.5835) (1502.5815, 2371.6150) 0.0165
trackA (1514.2235, 2374.5450) (1514.2400, 2374.5765) 0.0165
trackA (1502.5600, 2374.5450) (1502.5765, 2374.5765) 0.0165
trackA (1502.5600, 2374.5450) (1502.5915, 2374.5615) 0.0165
trackA (1502.5650, 2371.5985) (1502.5965, 2371.6150) 0.0165
trackA (1502.5650, 2335.1450) (1502.5965, 2335.1615) 0.0165
trackA (1514.2085, 2374.5450) (1514.2400, 2374.5615) 0.0165
trackA (1523.3835, 2335.1450) (1523.4150, 2335.1615) 0.0165

trackA (1523.3835, 2371.5985) (1523.4150, 2371.6150) 0.0165
trackA (1502.5600, 2410.9835) (1502.5765, 2411.0150) 0.0165
trackA (1514.2235, 2410.9835) (1514.2400, 2411.0150) 0.0165
trackA (1502.5600, 2410.9985) (1502.5915, 2411.0150) 0.0165
trackA (1514.2085, 2410.9985) (1514.2400, 2411.0150) 0.0165

PP.5d(ii) : Pplus extension beyond COMP outside DNWELL for Pplus space to Nwell < 0.43 : 0.16

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2605:enclose

WARNING: The error count of 176 for this check exceeds the limit set in the runset. Details only available for the first 100.

Structure	(lower left x, y)	(upper right x, y)	Distance
io_secondary_5p0	(12.9105, 36.5980)	(12.9800, 36.6300)	0.0000
io_secondary_5p0	(12.9800, 36.4730)	(13.0130, 36.6300)	0.1065
io_secondary_5p0	(-32.4200, 36.5980)	(-32.3505, 36.6300)	0.0000
io_secondary_5p0	(-32.4530, 36.4730)	(-32.4200, 36.6300)	0.1065
io_secondary_5p0	(-32.4200, 36.5235)	(-32.3505, 36.6300)	0.0000
io_secondary_5p0	(12.9105, 36.5235)	(12.9800, 36.6300)	0.0000
io_secondary_5p0	(12.9800, 48.7205)	(13.0120, 48.7900)	0.0000
io_secondary_5p0	(12.9800, 36.6300)	(13.0120, 36.6995)	0.0000
io_secondary_5p0	(12.9800, 36.6300)	(13.0865, 36.6995)	0.0000
io_secondary_5p0	(12.9800, 48.7205)	(13.0865, 48.7900)	0.0000
io_secondary_5p0	(12.9800, 48.7900)	(13.1370, 48.8230)	0.1065
io_secondary_5p0	(12.9800, 36.5970)	(13.1370, 36.6300)	0.1065
io_secondary_5p0	(-32.4520, 48.7205)	(-32.4200, 48.7900)	0.0000
io_secondary_5p0	(-32.4520, 36.6300)	(-32.4200, 36.6995)	0.0000
io_secondary_5p0	(-32.5265, 36.6300)	(-32.4200, 36.6995)	0.0000
io_secondary_5p0	(-32.5265, 48.7205)	(-32.4200, 48.7900)	0.0000
io_secondary_5p0	(-32.5770, 36.5970)	(-32.4200, 36.6300)	0.1065
io_secondary_5p0	(-32.5770, 48.7900)	(-32.4200, 48.8230)	0.1065
io_secondary_5p0	(12.9105, 48.7900)	(12.9800, 48.8220)	0.0000
io_secondary_5p0	(12.9800, 48.7900)	(13.0130, 48.9470)	0.1065
io_secondary_5p0	(-32.4200, 48.7900)	(-32.3505, 48.8220)	0.0000
io_secondary_5p0	(-32.4530, 48.7900)	(-32.4200, 48.9470)	0.1065
io_secondary_5p0	(-32.4200, 48.7900)	(-32.3505, 48.8965)	0.0000
io_secondary_5p0	(12.9105, 48.7900)	(12.9800, 48.8965)	0.0000

gf180mcu_fd_io__dvss$1	(15.3650, 322.2645)	(15.5520, 322.4150)	0.1095
gf180mcu_fd_io__dvss$1	(15.3650, 302.9650)	(15.5520, 303.1155)	0.1095
gf180mcu_fd_io__dvss$1	(15.3650, 322.2550)	(15.5250, 322.4150)	0.1030
gf180mcu_fd_io__dvss$1	(15.3650, 302.9650)	(15.5250, 303.1250)	0.1030
gf180mcu_fd_io__dvss$1	(59.4480, 322.2645)	(59.6350, 322.4150)	0.1095
gf180mcu_fd_io__dvss$1	(59.4480, 302.9650)	(59.6350, 303.1155)	0.1095
gf180mcu_fd_io__dvss$1	(59.4750, 322.2550)	(59.6350, 322.4150)	0.1030
gf180mcu_fd_io__dvss$1	(59.4750, 302.9650)	(59.6350, 303.1250)	0.1030
gf180mcu_fd_io__dvss$1	(66.9575, 191.0770)	(67.1550, 191.2200)	0.0895
gf180mcu_fd_io__dvss$1	(66.9575, 70.4500)	(67.1550, 70.5930)	0.0895
gf180mcu_fd_io__dvss$1	(66.9950, 191.0600)	(67.1550, 191.2200)	0.0800
gf180mcu_fd_io__dvss$1	(66.9950, 70.4500)	(67.1550, 70.6100)	0.0800
gf180mcu_fd_io__dvss$1	(7.8450, 191.0770)	(8.0425, 191.2200)	0.0895
gf180mcu_fd_io__dvss$1	(7.8450, 70.4500)	(8.0425, 70.5930)	0.0895
gf180mcu_fd_io__dvss$1	(7.8450, 191.0600)	(8.0050, 191.2200)	0.0800
gf180mcu_fd_io__dvss$1	(7.8450, 70.4500)	(8.0050, 70.6100)	0.0800
gf180mcu_fd_io__dvdd$1	(15.3650, 322.2645)	(15.5520, 322.4150)	0.1095
gf180mcu_fd_io__dvdd$1	(15.3650, 302.9650)	(15.5520, 303.1155)	0.1095
gf180mcu_fd_io__dvdd$1	(15.3650, 322.2550)	(15.5250, 322.4150)	0.1030
gf180mcu_fd_io__dvdd$1	(15.3650, 302.9650)	(15.5250, 303.1250)	0.1030
gf180mcu_fd_io__dvdd$1	(59.4480, 322.2645)	(59.6350, 322.4150)	0.1095
gf180mcu_fd_io__dvdd$1	(59.4480, 302.9650)	(59.6350, 303.1155)	0.1095
gf180mcu_fd_io__dvdd$1	(59.4750, 322.2550)	(59.6350, 322.4150)	0.1030
gf180mcu_fd_io__dvdd$1	(59.4750, 302.9650)	(59.6350, 303.1250)	0.1030
gf180mcu_fd_io__dvdd$1	(66.9575, 191.3620)	(67.1550, 191.5050)	0.0895
gf180mcu_fd_io__dvdd$1	(66.9575, 70.7350)	(67.1550, 70.8780)	0.0895
gf180mcu_fd_io__dvdd$1	(66.9950, 191.3450)	(67.1550, 191.5050)	0.0800
gf180mcu_fd_io__dvdd$1	(66.9950, 70.7350)	(67.1550, 70.8950)	0.0800
gf180mcu_fd_io__dvdd$1	(7.8450, 191.3620)	(8.0425, 191.5050)	0.0895
gf180mcu_fd_io__dvdd$1	(7.8450, 70.7350)	(8.0425, 70.8780)	0.0895
gf180mcu_fd_io__dvdd$1	(7.8450, 191.3450)	(8.0050, 191.5050)	0.0800
gf180mcu_fd_io__dvdd$1	(7.8450, 70.7350)	(8.0050, 70.8950)	0.0800
nmos_clamp_20_50_4$2	(61.8625, 3.0000)	(62.0600, 3.1430)	0.0895
nmos_clamp_20_50_4$2	(61.9000, 3.0000)	(62.0600, 3.1600)	0.0800
nmos_clamp_20_50_4$2	(61.8625, 123.6270)	(62.0600, 123.7700)	0.0895
nmos_clamp_20_50_4$2	(61.9000, 123.6100)	(62.0600, 123.7700)	0.0800
nmos_clamp_20_50_4$2	(2.7500, 3.0000)	(2.9475, 3.1430)	0.0895
nmos_clamp_20_50_4$2	(2.7500, 3.0000)	(2.9100, 3.1600)	0.0800
nmos_clamp_20_50_4$2	(2.7500, 123.6270)	(2.9475, 123.7700)	0.0895
nmos_clamp_20_50_4$2	(2.7500, 123.6100)	(2.9100, 123.7700)	0.0800
gf180mcu_fd_io__bi_t$1	(52.2865, 293.1990)	(52.4050, 293.4200)	0.0225
gf180mcu_fd_io__bi_t$1	(22.5950, 293.1990)	(22.7135, 293.4200)	0.0225
gf180mcu_fd_io__bi_t$1	(52.2450, 293.2600)	(52.4050, 293.4200)	0.0165
gf180mcu_fd_io__bi_t$1	(22.5950, 293.2600)	(22.7550, 293.4200)	0.0165

gf180mcu_fd_io__asig_5p0$1 (9.5845, 70.5700) (9.6150, 70.6540) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.5845, 100.2160) (9.6150, 100.3000) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.4550, 70.5850) (9.6150, 70.6540) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.4550, 100.2160) (9.6150, 100.2850) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.2880, 70.5235) (65.3850, 70.5700) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.6150, 70.5235) (9.7120, 70.5700) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.6150, 70.4395) (9.7120, 70.5700) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.2880, 70.4395) (65.3850, 70.5700) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.3850, 70.4115) (65.4060, 70.5700) 0.1305
gf180mcu_fd_io__asig_5p0$1 (9.5940, 70.4115) (9.6150, 70.5700) 0.1305
gf180mcu_fd_io__asig_5p0$1 (65.2880, 100.3000) (65.3850, 100.3465) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.6150, 100.3000) (9.7120, 100.3465) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.6150, 100.3000) (9.7120, 100.4305) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.2880, 100.3000) (65.3850, 100.4305) 0.0000
gf180mcu_fd_io__asig_5p0$1 (9.5940, 100.3000) (9.6150, 100.4585) 0.1305
gf180mcu_fd_io__asig_5p0$1 (65.3850, 100.3000) (65.4060, 100.4585) 0.1305
gf180mcu_fd_io__asig_5p0$1 (65.3850, 70.5700) (65.4155, 70.6540) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.3850, 100.2160) (65.4155, 100.3000) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.3850, 100.2160) (65.5450, 100.2850) 0.0000
gf180mcu_fd_io__asig_5p0$1 (65.3850, 70.5850) (65.5450, 70.6540) 0.0000
gf180mcu_fd_io__asig_5p0$1 (10.1050, 108.0450) (10.1750, 108.1360) 0.0510
gf180mcu_fd_io__asig_5p0$1 (64.8250, 108.0450) (64.8950, 108.1360) 0.0510
gf180mcu_fd_io__asig_5p0$1 (10.1050, 108.0450) (10.1460, 108.1540) 0.0910
gf180mcu_fd_io__asig_5p0$1 (64.8540, 108.0450) (64.8950, 108.1540) 0.0910
gf180mcu_fd_io__asig_5p0$1 (10.1050, 136.8040) (10.1750, 136.8950) 0.0510
gf180mcu_fd_io__asig_5p0$1 (64.8250, 136.8040) (64.8950, 136.8950) 0.0510
gf180mcu_fd_io__asig_5p0$1 (10.1050, 136.7860) (10.1460, 136.8950) 0.0910
gf180mcu_fd_io__asig_5p0$1 (64.8540, 136.7860) (64.8950, 136.8950) 0.0910
gf180mcu_fd_io__asig_5p0$1 (10.1050, 136.8040) (10.2135, 136.8950) 0.0410
gf180mcu_fd_io__asig_5p0$1 (10.1050, 108.0450) (10.2135, 108.1360) 0.0410
gf180mcu_fd_io__asig_5p0$1 (64.7865, 136.8040) (64.8950, 136.8950) 0.0410
gf180mcu_fd_io__asig_5p0$1 (64.7865, 108.0450) (64.8950, 108.1360) 0.0410

PP.6 : Pplus overlap with PCOMP butted to NCOMP : 0.22

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2617:internal1
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (1367.3700, 2391.7750) (1368.2900, 2391.7950) 0.0200

trackA (1367.1510, 2391.7750) (1367.3700, 2391.7950) 0.0200
trackA (1368.2900, 2391.7750) (1368.5090, 2391.7950) 0.0200
trackA (1376.6800, 2391.7750) (1377.6000, 2391.7950) 0.0200
trackA (1376.4610, 2391.7750) (1376.6800, 2391.7950) 0.0200
trackA (1377.6000, 2391.7750) (1377.8190, 2391.7950) 0.0200
trackA (1358.0600, 2391.7750) (1358.9800, 2391.7950) 0.0200
trackA (1357.8410, 2391.7750) (1358.0600, 2391.7950) 0.0200
trackA (1358.9800, 2391.7750) (1359.1990, 2391.7950) 0.0200
trackA (1385.9900, 2391.7750) (1386.9100, 2391.7950) 0.0200
trackA (1385.7710, 2391.7750) (1385.9900, 2391.7950) 0.0200
trackA (1386.9100, 2391.7750) (1387.1290, 2391.7950) 0.0200
trackA (1358.3000, 2388.8350) (1358.7400, 2388.8550) 0.0200
trackA (1367.6100, 2388.8350) (1368.0500, 2388.8550) 0.0200
trackA (1376.9200, 2388.8350) (1377.3600, 2388.8550) 0.0200
trackA (1386.2300, 2388.8350) (1386.6700, 2388.8550) 0.0200

V1.1: Min/max Via1 size : 0.26

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2765:not_length_edge

WARNING: The error count of 102 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.

- -

Structure (lower left x, y) (upper right x, y) Distance

- -

Unnamed_02d9ae27 (-10.5300, 14.1250) (-10.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (-10.2700, 14.1250) (-10.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (-9.3300, 14.1250) (-9.3300, 14.3900) 0.2650
Unnamed_02d9ae27 (-9.0700, 14.1250) (-9.0700, 14.3900) 0.2650
Unnamed_02d9ae27 (-8.5300, 14.1250) (-8.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (-8.2700, 14.1250) (-8.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (-7.7300, 14.1250) (-7.7300, 14.3900) 0.2650
Unnamed_02d9ae27 (-7.4700, 14.1250) (-7.4700, 14.3900) 0.2650
Unnamed_02d9ae27 (-6.9300, 14.1250) (-6.9300, 14.3900) 0.2650
Unnamed_02d9ae27 (-6.6700, 14.1250) (-6.6700, 14.3900) 0.2650
Unnamed_02d9ae27 (-6.7600, 10.2850) (-6.7600, 10.5500) 0.2650
Unnamed_02d9ae27 (-6.5000, 10.2850) (-6.5000, 10.5500) 0.2650
Unnamed_02d9ae27 (-6.1300, 14.1250) (-6.1300, 14.3900) 0.2650

Unnamed_02d9ae27 (-5.8700, 14.1250) (-5.8700, 14.3900) 0.2650
Unnamed_02d9ae27 (-5.6200, 17.6600) (-5.6200, 17.9250) 0.2650
Unnamed_02d9ae27 (-5.3600, 17.6600) (-5.3600, 17.9250) 0.2650
Unnamed_02d9ae27 (-5.3300, 14.1250) (-5.3300, 14.3900) 0.2650
Unnamed_02d9ae27 (-5.0700, 14.1250) (-5.0700, 14.3900) 0.2650
Unnamed_02d9ae27 (-4.5300, 14.1250) (-4.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (-4.2700, 14.1250) (-4.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (-4.4800, 10.2850) (-4.4800, 10.5500) 0.2650
Unnamed_02d9ae27 (-4.2200, 10.2850) (-4.2200, 10.5500) 0.2650
Unnamed_02d9ae27 (-3.7300, 14.1250) (-3.7300, 14.3900) 0.2650
Unnamed_02d9ae27 (-3.4700, 14.1250) (-3.4700, 14.3900) 0.2650
Unnamed_02d9ae27 (-2.9300, 14.1250) (-2.9300, 14.3900) 0.2650
Unnamed_02d9ae27 (-2.6700, 14.1250) (-2.6700, 14.3900) 0.2650
Unnamed_02d9ae27 (-2.1300, 14.1250) (-2.1300, 14.3900) 0.2650
Unnamed_02d9ae27 (-1.8700, 14.1250) (-1.8700, 14.3900) 0.2650
Unnamed_02d9ae27 (-1.9600, 13.2400) (-1.9600, 13.4950) 0.2550
Unnamed_02d9ae27 (-1.7000, 13.2400) (-1.7000, 13.4950) 0.2550
Unnamed_02d9ae27 (-1.3300, 14.1250) (-1.3300, 14.3900) 0.2650
Unnamed_02d9ae27 (-1.0700, 14.1250) (-1.0700, 14.3900) 0.2650
Unnamed_02d9ae27 (-0.5300, 14.1250) (-0.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (-0.2700, 14.1250) (-0.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (0.2700, 14.1250) (0.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (0.5300, 14.1250) (0.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (0.5600, 10.2850) (0.5600, 10.5500) 0.2650
Unnamed_02d9ae27 (0.8200, 10.2850) (0.8200, 10.5500) 0.2650
Unnamed_02d9ae27 (1.0700, 14.1250) (1.0700, 14.3900) 0.2650
Unnamed_02d9ae27 (1.3300, 14.1250) (1.3300, 14.3900) 0.2650
Unnamed_02d9ae27 (1.7000, 17.6600) (1.7000, 17.9250) 0.2650
Unnamed_02d9ae27 (1.9600, 17.6600) (1.9600, 17.9250) 0.2650
Unnamed_02d9ae27 (1.8700, 14.1250) (1.8700, 14.3900) 0.2650
Unnamed_02d9ae27 (2.1300, 14.1250) (2.1300, 14.3900) 0.2650
Unnamed_02d9ae27 (2.6700, 14.1250) (2.6700, 14.3900) 0.2650
Unnamed_02d9ae27 (2.9300, 14.1250) (2.9300, 14.3900) 0.2650
Unnamed_02d9ae27 (2.8400, 10.2850) (2.8400, 10.5500) 0.2650
Unnamed_02d9ae27 (3.1000, 10.2850) (3.1000, 10.5500) 0.2650
Unnamed_02d9ae27 (3.4700, 14.1250) (3.4700, 14.3900) 0.2650
Unnamed_02d9ae27 (3.7300, 14.1250) (3.7300, 14.3900) 0.2650
Unnamed_02d9ae27 (4.2700, 14.1250) (4.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (4.5300, 14.1250) (4.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (5.0700, 14.1250) (5.0700, 14.3900) 0.2650
Unnamed_02d9ae27 (5.3300, 14.1250) (5.3300, 14.3900) 0.2650
Unnamed_02d9ae27 (5.3600, 13.2400) (5.3600, 13.4950) 0.2550
Unnamed_02d9ae27 (5.6200, 13.2400) (5.6200, 13.4950) 0.2550
Unnamed_02d9ae27 (5.8700, 14.1250) (5.8700, 14.3900) 0.2650

Unnamed_02d9ae27 (6.1300, 14.1250) (6.1300, 14.3900) 0.2650
Unnamed_02d9ae27 (6.6700, 14.1250) (6.6700, 14.3900) 0.2650
Unnamed_02d9ae27 (6.9300, 14.1250) (6.9300, 14.3900) 0.2650
Unnamed_02d9ae27 (7.4700, 14.1250) (7.4700, 14.3900) 0.2650
Unnamed_02d9ae27 (7.7300, 14.1250) (7.7300, 14.3900) 0.2650
Unnamed_02d9ae27 (8.2700, 14.1250) (8.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (8.5300, 14.1250) (8.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (9.0700, 14.1250) (9.0700, 14.3900) 0.2650
Unnamed_02d9ae27 (9.3300, 14.1250) (9.3300, 14.3900) 0.2650
Unnamed_02d9ae27 (10.2700, 14.1250) (10.2700, 14.3900) 0.2650
Unnamed_02d9ae27 (10.5300, 14.1250) (10.5300, 14.3900) 0.2650
Unnamed_02d9ae27 (-10.5300, 26.3300) (-10.5300, 26.5950) 0.2650
Unnamed_02d9ae27 (-10.2700, 26.3300) (-10.2700, 26.5950) 0.2650
Unnamed_02d9ae27 (-9.3300, 26.3300) (-9.3300, 26.5950) 0.2650
Unnamed_02d9ae27 (-9.0700, 26.3300) (-9.0700, 26.5950) 0.2650
Unnamed_02d9ae27 (-8.5300, 26.3300) (-8.5300, 26.5950) 0.2650
Unnamed_02d9ae27 (-8.2700, 26.3300) (-8.2700, 26.5950) 0.2650
Unnamed_02d9ae27 (-7.7300, 26.3300) (-7.7300, 26.5950) 0.2650
Unnamed_02d9ae27 (-7.4700, 26.3300) (-7.4700, 26.5950) 0.2650
Unnamed_02d9ae27 (-6.9300, 26.3300) (-6.9300, 26.5950) 0.2650
Unnamed_02d9ae27 (-6.6700, 26.3300) (-6.6700, 26.5950) 0.2650
Unnamed_02d9ae27 (-6.7600, 19.2700) (-6.7600, 19.5350) 0.2650
Unnamed_02d9ae27 (-6.5000, 19.2700) (-6.5000, 19.5350) 0.2650
Unnamed_02d9ae27 (-6.7600, 20.8700) (-6.7600, 21.1350) 0.2650
Unnamed_02d9ae27 (-6.5000, 20.8700) (-6.5000, 21.1350) 0.2650
Unnamed_02d9ae27 (-6.1300, 26.3300) (-6.1300, 26.5950) 0.2650
Unnamed_02d9ae27 (-5.8700, 26.3300) (-5.8700, 26.5950) 0.2650
Unnamed_02d9ae27 (-5.6200, 19.2700) (-5.6200, 19.5350) 0.2650
Unnamed_02d9ae27 (-5.3600, 19.2700) (-5.3600, 19.5350) 0.2650
Unnamed_02d9ae27 (-5.6200, 20.8700) (-5.6200, 21.1350) 0.2650
Unnamed_02d9ae27 (-5.3600, 20.8700) (-5.3600, 21.1350) 0.2650
Unnamed_02d9ae27 (-5.3300, 26.3300) (-5.3300, 26.5950) 0.2650
Unnamed_02d9ae27 (-5.0700, 26.3300) (-5.0700, 26.5950) 0.2650
Unnamed_02d9ae27 (-4.5300, 26.3300) (-4.5300, 26.5950) 0.2650
Unnamed_02d9ae27 (-4.2700, 26.3300) (-4.2700, 26.5950) 0.2650
Unnamed_02d9ae27 (-4.4800, 19.2700) (-4.4800, 19.5350) 0.2650
Unnamed_02d9ae27 (-4.2200, 19.2700) (-4.2200, 19.5350) 0.2650
Unnamed_02d9ae27 (-4.4800, 20.8700) (-4.4800, 21.1350) 0.2650
Unnamed_02d9ae27 (-4.2200, 20.8700) (-4.2200, 21.1350) 0.2650
Unnamed_02d9ae27 (-3.7300, 26.3300) (-3.7300, 26.5950) 0.2650
Unnamed_02d9ae27 (-3.4700, 26.3300) (-3.4700, 26.5950) 0.2650
Unnamed_02d9ae27 (-3.1000, 19.2700) (-3.1000, 19.5350) 0.2650
Unnamed_02d9ae27 (-2.8400, 19.2700) (-2.8400, 19.5350) 0.2650

V2.1: Min/max Via2 size : 0.26

/evprj182/projects/GF180MCU/combined-pdk/dk_synopsys/pdk-180/DRC_ICV/DRC/ICV/gf180mcu_drc.rs:2765:not_length_edge

WARNING: The error count of 102 for this check exceeds the limit set in
the runset. Details only available for the first 100.

Check was stopped early because error limit was reached.
- -
Structure (lower left x, y) (upper right x, y) Distance
- -
trackA (2004.0700, 346.6150) (2004.1150, 346.6150) 0.0450
trackA (2004.1150, 346.4050) (2004.1150, 346.6150) 0.2100
trackA (2004.0700, 347.2350) (2004.1150, 347.2350) 0.0450
trackA (2004.1150, 347.0250) (2004.1150, 347.2350) 0.2100
trackA (2004.0700, 347.8550) (2004.1150, 347.8550) 0.0450
trackA (2004.1150, 347.6450) (2004.1150, 347.8550) 0.2100
trackA (2004.3300, 346.6650) (2004.3300, 346.8750) 0.2100
trackA (2004.3300, 346.6650) (2004.3750, 346.6650) 0.0450
trackA (2004.3300, 347.2850) (2004.3300, 347.4950) 0.2100
trackA (2004.3300, 347.2850) (2004.3750, 347.2850) 0.0450
trackA (2004.3300, 347.9050) (2004.3300, 348.1150) 0.2100
trackA (2004.3300, 347.9050) (2004.3750, 347.9050) 0.0450
trackA (2004.6900, 346.6150) (2004.7350, 346.6150) 0.0450
trackA (2004.7350, 346.4050) (2004.7350, 346.6150) 0.2100
trackA (2004.6900, 347.2350) (2004.7350, 347.2350) 0.0450
trackA (2004.7350, 347.0250) (2004.7350, 347.2350) 0.2100
trackA (2004.6900, 347.8550) (2004.7350, 347.8550) 0.0450
trackA (2004.7350, 347.6450) (2004.7350, 347.8550) 0.2100
trackA (2004.9500, 346.6650) (2004.9500, 346.8750) 0.2100
trackA (2004.9500, 346.6650) (2004.9950, 346.6650) 0.0450
trackA (2004.9500, 347.2850) (2004.9500, 347.4950) 0.2100
trackA (2004.9500, 347.2850) (2004.9950, 347.2850) 0.0450
trackA (2004.9500, 347.9050) (2004.9500, 348.1150) 0.2100
trackA (2004.9500, 347.9050) (2004.9950, 347.9050) 0.0450
trackA (2005.3100, 346.6150) (2005.3550, 346.6150) 0.0450
trackA (2005.3550, 346.4050) (2005.3550, 346.6150) 0.2100
trackA (2005.3100, 347.2350) (2005.3550, 347.2350) 0.0450
trackA (2005.3550, 347.0250) (2005.3550, 347.2350) 0.2100
trackA (2005.3100, 347.8550) (2005.3550, 347.8550) 0.0450

trackA (2005.3550, 347.6450) (2005.3550, 347.8550) 0.2100
trackA (2005.5700, 346.6650) (2005.5700, 346.8750) 0.2100
trackA (2005.5700, 346.6650) (2005.6150, 346.6650) 0.0450
trackA (2005.5700, 347.2850) (2005.5700, 347.4950) 0.2100
trackA (2005.5700, 347.2850) (2005.6150, 347.2850) 0.0450
trackA (2005.5700, 347.9050) (2005.5700, 348.1150) 0.2100
trackA (2005.5700, 347.9050) (2005.6150, 347.9050) 0.0450
trackA (2005.9300, 346.6150) (2005.9750, 346.6150) 0.0450
trackA (2005.9750, 346.4050) (2005.9750, 346.6150) 0.2100
trackA (2005.9300, 347.2350) (2005.9750, 347.2350) 0.0450
trackA (2005.9750, 347.0250) (2005.9750, 347.2350) 0.2100
trackA (2005.9300, 347.8550) (2005.9750, 347.8550) 0.0450
trackA (2005.9750, 347.6450) (2005.9750, 347.8550) 0.2100
trackA (2006.1900, 346.6650) (2006.1900, 346.8750) 0.2100
trackA (2006.1900, 346.6650) (2006.2350, 346.6650) 0.0450
trackA (2006.1900, 347.2850) (2006.1900, 347.4950) 0.2100
trackA (2006.1900, 347.2850) (2006.2350, 347.2850) 0.0450
trackA (2006.1900, 347.9050) (2006.1900, 348.1150) 0.2100
trackA (2006.1900, 347.9050) (2006.2350, 347.9050) 0.0450
trackA (2015.5350, 346.6650) (2015.5350, 346.8750) 0.2100
trackA (2015.5350, 346.4050) (2015.5350, 346.6150) 0.2100
trackA (2015.5350, 347.2850) (2015.5350, 347.4950) 0.2100
trackA (2015.5350, 347.0250) (2015.5350, 347.2350) 0.2100
trackA (2016.1550, 346.6650) (2016.1550, 346.8750) 0.2100
trackA (2016.1550, 346.4050) (2016.1550, 346.6150) 0.2100
trackA (2016.1550, 347.2850) (2016.1550, 347.4950) 0.2100
trackA (2016.1550, 347.0250) (2016.1550, 347.2350) 0.2100
trackA (2015.5350, 347.9050) (2015.5350, 348.1150) 0.2100
trackA (2015.5350, 347.6450) (2015.5350, 347.8550) 0.2100
trackA (2016.1550, 347.9050) (2016.1550, 348.1150) 0.2100
trackA (2016.1550, 347.6450) (2016.1550, 347.8550) 0.2100
trackA (2016.7750, 346.6650) (2016.7750, 346.8750) 0.2100
trackA (2016.7750, 347.2850) (2016.7750, 347.4950) 0.2100
trackA (2016.7750, 347.9050) (2016.7750, 348.1150) 0.2100
trackA (2016.7750, 346.4050) (2016.7750, 346.6150) 0.2100
trackA (2016.7750, 347.0250) (2016.7750, 347.2350) 0.2100
trackA (2016.7750, 347.6450) (2016.7750, 347.8550) 0.2100
trackA (2017.9650, 346.6650) (2017.9650, 346.8750) 0.2100
trackA (2017.7550, 346.6650) (2017.9650, 346.6650) 0.2100
trackA (2018.0150, 346.4050) (2018.0150, 346.6150) 0.2100
trackA (2018.0150, 346.6150) (2018.2250, 346.6150) 0.2100
trackA (2017.9650, 347.2850) (2017.9650, 347.4950) 0.2100
trackA (2017.7550, 347.2850) (2017.9650, 347.2850) 0.2100
trackA (2018.0150, 347.0250) (2018.0150, 347.2350) 0.2100

trackA (2018.0150, 347.2350) (2018.2250, 347.2350) 0.2100
trackA (2017.9650, 347.9050) (2017.9650, 348.1150) 0.2100
trackA (2017.7550, 347.9050) (2017.9650, 347.9050) 0.2100
trackA (2018.0150, 347.6450) (2018.0150, 347.8550) 0.2100
trackA (2018.0150, 347.8550) (2018.2250, 347.8550) 0.2100
trackA (2018.5850, 346.6650) (2018.5850, 346.8750) 0.2100
trackA (2018.3750, 346.6650) (2018.5850, 346.6650) 0.2100
trackA (2018.6350, 346.4050) (2018.6350, 346.6150) 0.2100
trackA (2018.6350, 346.6150) (2018.8450, 346.6150) 0.2100
trackA (2018.5850, 347.2850) (2018.5850, 347.4950) 0.2100
trackA (2018.3750, 347.2850) (2018.5850, 347.2850) 0.2100
op_buffer (-37.8950, -37.7050) (-37.8950, -37.4400) 0.2650
op_buffer (-37.6350, -37.7050) (-37.6350, -37.4400) 0.2650
op_buffer (-8.6850, -38.8050) (-8.6850, -38.5400) 0.2650
op_buffer (-8.4250, -38.8050) (-8.4250, -38.5400) 0.2650
op_buffer (6.7350, -37.7050) (6.7350, -37.4400) 0.2650
op_buffer (6.9950, -37.7050) (6.9950, -37.4400) 0.2650
op_buffer (9.7350, -38.8050) (9.7350, -38.5400) 0.2650
op_buffer (9.9950, -38.8050) (9.9950, -38.5400) 0.2650
Unnamed_02d9ae27 (-11.5300, 26.3350) (-11.5300, 26.5900) 0.2550
Unnamed_02d9ae27 (-11.2700, 26.3350) (-11.2700, 26.5900) 0.2550
Unnamed_02d9ae27 (7.5000, 10.2850) (7.5000, 10.5500) 0.2650
Unnamed_02d9ae27 (7.7600, 10.2850) (7.7600, 10.5500) 0.2650
Unnamed_02d9ae27 (7.5000, 12.4350) (7.5000, 12.7000) 0.2650
Unnamed_02d9ae27 (7.7600, 12.4350) (7.7600, 12.7000) 0.2650
Unnamed_02d9ae27 (12.0000, 25.4450) (12.0000, 25.7000) 0.2550
Unnamed_02d9ae27 (12.2600, 25.4450) (12.2600, 25.7000) 0.2550