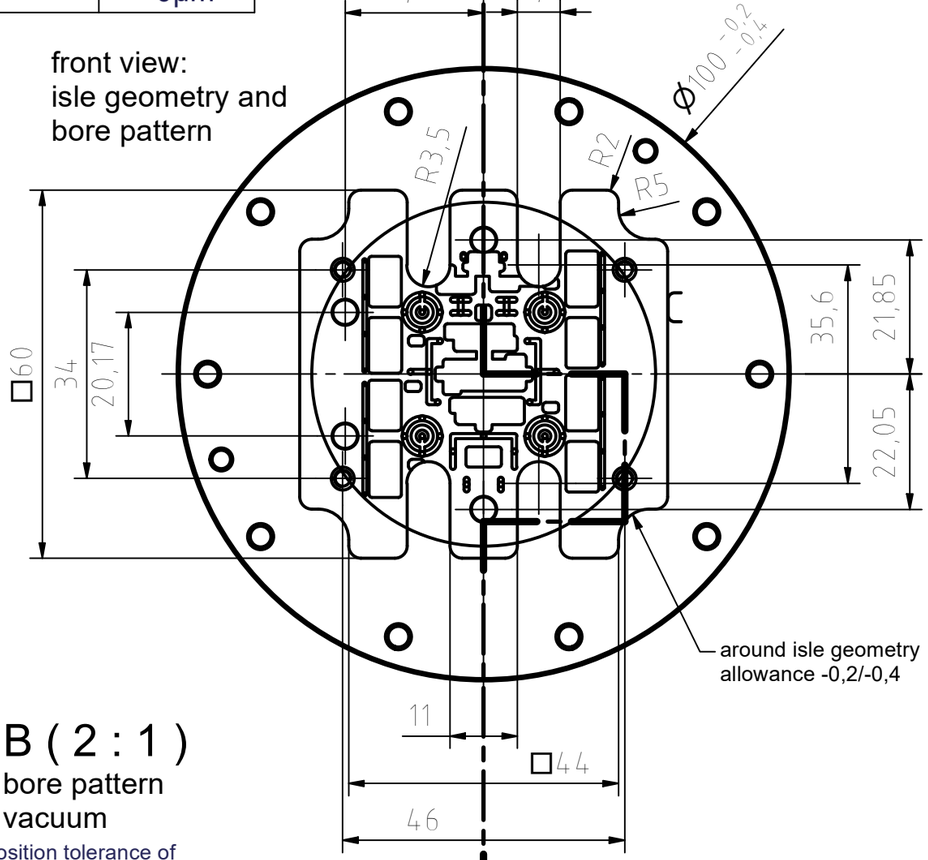
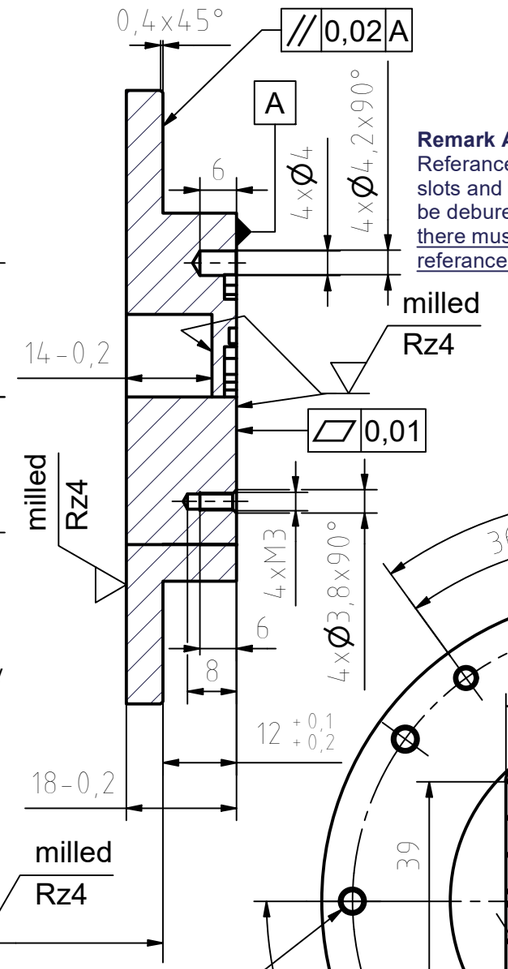
fit	allowance
Ø3H7	+10µm +0µm

front view:
isle geometry and
bore pattern

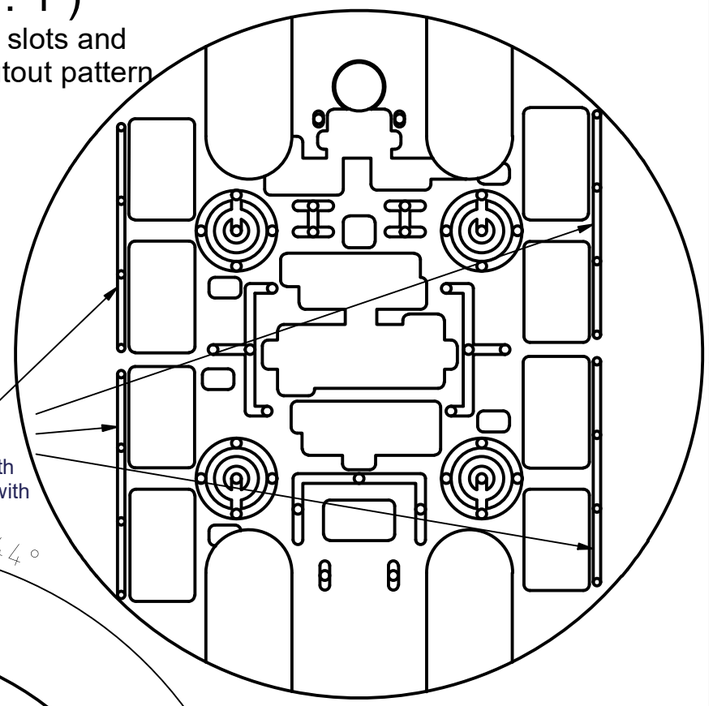


A-A (1 : 1) milling- and bore depth

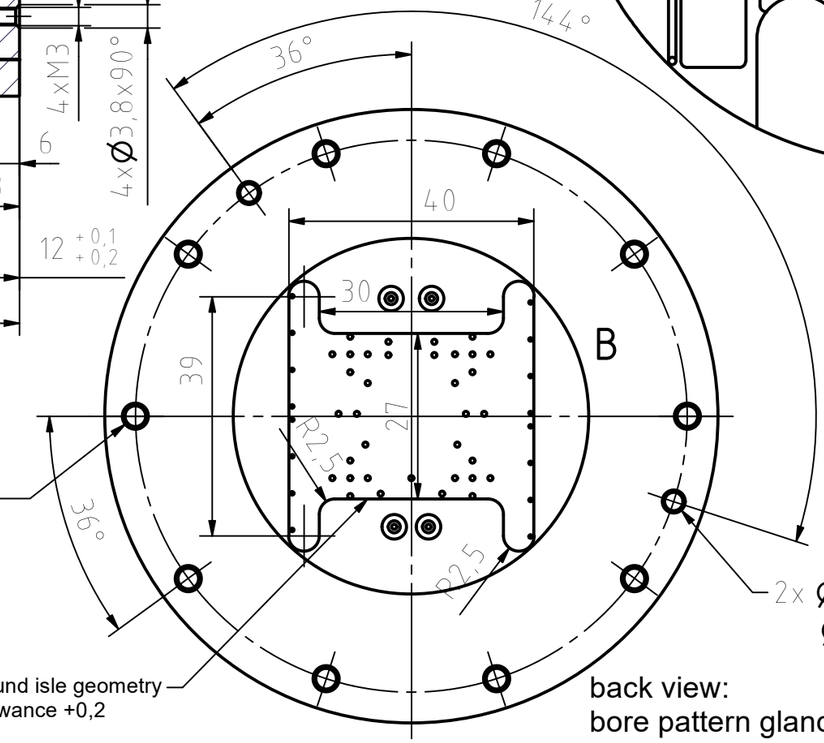


Remark A-A(1:1) and C(2:1):
Referance surface A with its vacuum slots and SMD-cutout pattern has to be debured slightly,
there must not be any burr on top of referance surface A!

C (2 : 1)
vacuum slots and
SMD-cutout pattern



Remark C(2:1):
Vacuum slots milled to appropriate length and width with 60° graver or endmill with appropriate diameter



Remark C(2:1):
Positions, outside geometry and depth of vacuum pattern and milling cutouts for SMD-parts on top of referance surface A extracting from CAD model

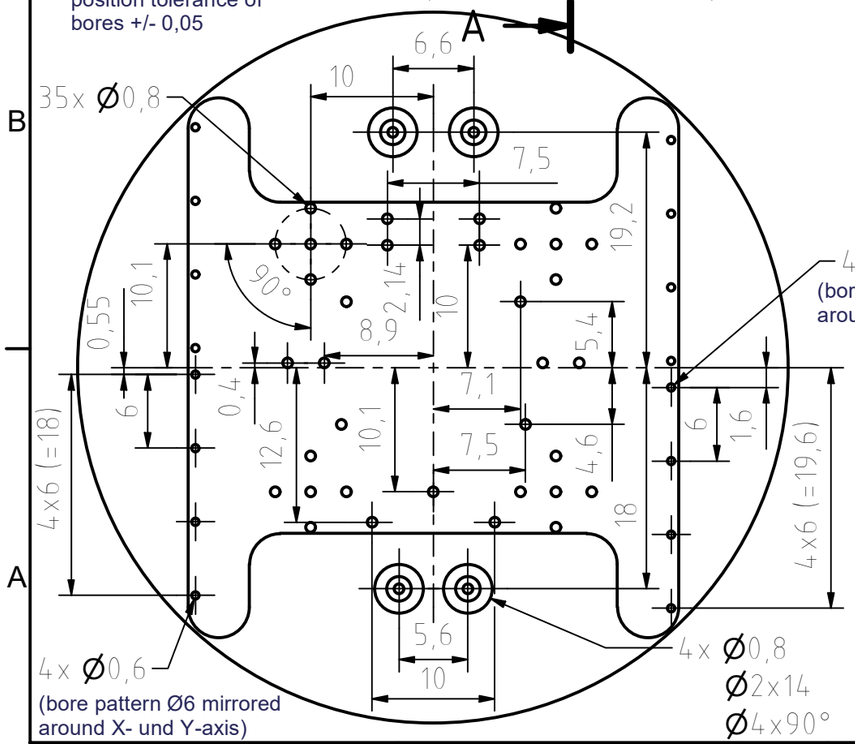
tolerance of position in X- and Y-axis from geometric center of vacuum slot and milling SMD-cutout to workpiece center according to +/- 0,05

and outside geometry of vacuum slots in length and width as well as cutouts for SMD-parts according to +/- 0,05

back view:
bore pattern gland and negative geometry

B (2 : 1)
bore pattern
vacuum

position tolerance of
bores +/- 0,05



all undimensioned edges, except Ø0,6; Ø0,8 bores from vacuum pattern and SMD-cutout pattern as well as vacumm slots, debured according to -> |-0,2

Rz10

milled
Rz4

( )

geometric dimensioning and tolerancing DIN EN ISO 1101	workpiece edges DIN ISO 13715	general tolerances DIN ISO 2768-f/H surfaces DIN ISO 1302

rev.	alteration	date	name
1.4	material and milling depth 14mm of middle poket	16.11.20	T.Kanngießer
1.3	comment to referance surface A	02.03.20	T.Kanngießer
1.2	clearance holes Ø4	08.01.20	T.Kanngießer
1.1	vacuum- a. SMD-cutout pattern	14.11.19	T.Kanngießer

	date	name
designed:	12.08.2019	R.Widera
approved:	17.11.2020	Kanngießer
status:	released	

part rev.: 1.4 draw.rev.: A

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amount: 1	scale: 1 : 1
material: G.AL C210 DYNAMIC (EN AW 5083-03)	pre-product: -

Inlay

part number: ITPT.02.00.002
field of application: ITkPix Tool
project: Atlas

sheet 1/1 A3