P1 / **NFC**

	NFC2	VC SELA	PD1	PD2	PD3	PD REF
	2	4	6	8	10	12
	1	3	5	7	9	11
	NFC1	VC SELS	LED1	LED2	LED3	P GND

P3

Left	#	#	Right
SWD CLK	34	33	nRF RST
P0.26	32	31	SWD IO
SPI CS	30	29	P0.25
SPI MISO	28	27	P0.28
SPI CLK	26	25	SPI IO3
SPI MOSI	24	23	SPI IO2
P0.09	22	21	P0.10
P0.07	20	19	P0.08
IOB2	18	17	IOB0
RGB1	16	15	RGB2
RGB0	14	13	IOT47
IOT46	12	11	VCC 3V3
IOT37	10	9	IOT36
SDA	8	7	SCL
GND	6	5	VBUS
GND	4	3	NTC
GND	2	1	VLIPO

P4

Left	#	#	Right
P1.11	34	33	GND
P1.13	32	31	P1.10
P0.05	30	29	P1.12
SAR CS1	28	27	SAR CS0
SAR CS	26	25	P0.04
SHP HLD	24	23	SHP ACT
P0.12	22	21	P0.11
VSYS	20	19	VDD 1V8
nPM MOD	18	17	nPM CHG
nPM ISET	16	15	nPM ERR
1V8	14	13	GND
IOB13	12	11	C_RST
IOB3	10	9	C_DONE
IOB10	8	7	IOB9
P1.14	6	5	P1.15
PDM CLK	4	3	PDM DAT
LRA_P	2	1	LRA_N

P2

1	2	3
GND	NTC	VLIPO

Type	Voltage	Owner
GPIO	1V8	nRF5340
Input	1V8	Touch
USB	3V3	nRF5340
I/O	VSYS	nPM1100
I/O	1V8	MEMS MIC
OUT	VSYS	LRA Haptic
I/O	1V8	BCU
GPIO	1V8	FPGA
GPIO	3V3	FPGA
ANALOG IN	/	nPM1100
ANALOG I/O	/	nRF5340
QSPI	1V8	nRF5340
SWD	1V8	nRF5340

Rail Name	Voltage	Direction
VBUS	5V	IN
VSYS	VBATT / VBUS	OUT
VLIPO	VBATT	IN
VCC3V3	3V3	OUT
VDD1V8	1V8	OUT
1V8	1V8	OUT
GND	0V	

Carrier NiCE5340 Pin Map
Top View
10.07.2024

PRODES LAB
Electronic Design