

ANALYSIS CHALLENGES

Dense code

- No strings
- No symbols
- No debug statements/printf-like functions
- No external libraries

Strings		Hex View-1	
Address	Length	Type	String
ROM:00002...	00000006	C	\n \vJ\vK
ROM:00007...	00000020	C	SigEd25519 no Ed25519 collisions

Line 1 of 2



SUBWAY

Function name	Start
f sub_100	00000100
f sub_1E0	000001E0
f sub_228	00000228
f sub_32C	0000032C
f sub_344	00000344
f sub_384	00000384
f sub_3C4	000003C4
f sub_3E0	000003E0
f sub_3F4	000003F4
f sub_418	00000418
f sub_4D0	000004D0

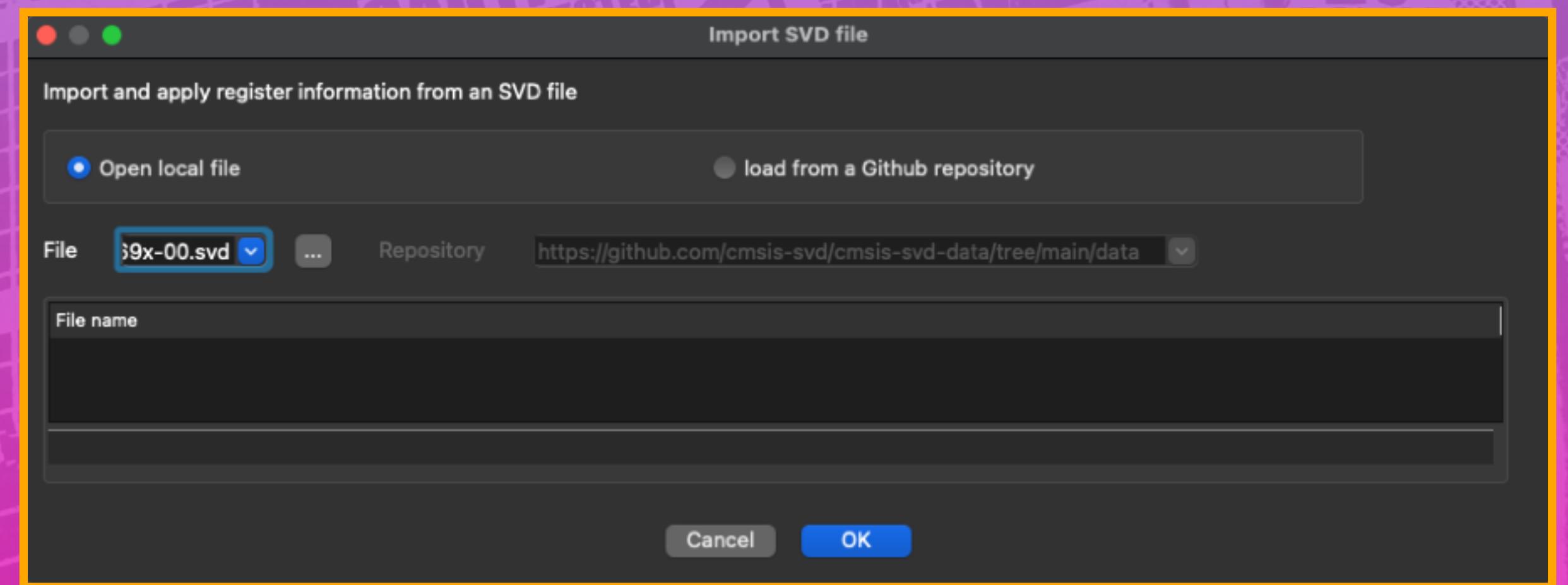
LET THE HW GUIDE YOU

Datasheet Provides Addresses

IDA Segments

- Create manually/IDAPython
 - SVD Loader (Edit>Plugins>SVD File Management)
 - **SDK_10.0.12.146.1/config/embsys/Dialog_Semiconductor/DA1469x-00.xml**

```
Generated by cmsis-svd (version 0.2), d.d. August 26, 2021 - 08:12:40
-->
<device xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" schemaVersion="1.3" xs:
  <vendor>Dialog</vendor>                                <!-- device vendor -->
  <vendorID>ARM</vendorID>                               <!-- device vendor ID -->
  <name>DA1469x</name>                                 <!-- name of part-->
  <series>DA1469x</series>                             <!-- device series -->
  <version>1.2</version>                                <!-- version of the -->
  <description>690</description>
  <licenseText><!-- this license text will appear in header file. \n forces line br
```



Resource	Start Address	End Address	Size (kB)
WDOG	50000700	50000800	0,25
Reserved			
XTAL32M_C	50010000	50010200	0,5
TIMER	50010200	50010300	0,25
TIMER2	50010300	50010400	0,25
MAC_TIM	50010400	50010500	0,25
Reserved			
UART	50020000	50020100	0,25
UAR2	50020100	50020200	0,25
UART3	50020200	50020300	0,25
SPI	50020300	50020400	0,25
SPI2	50020400	50020500	0,25

