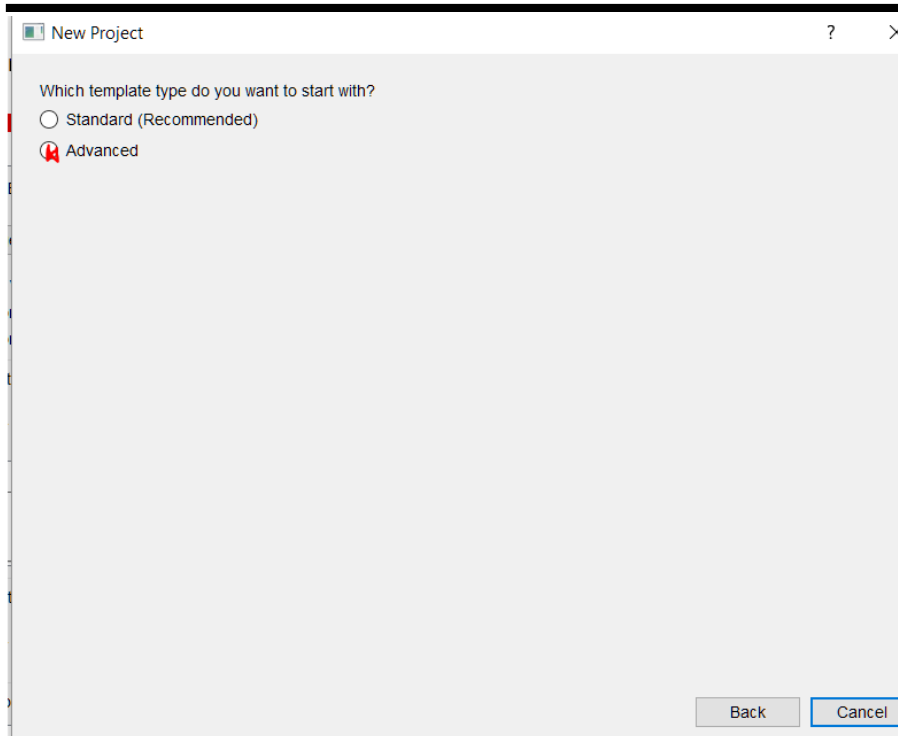
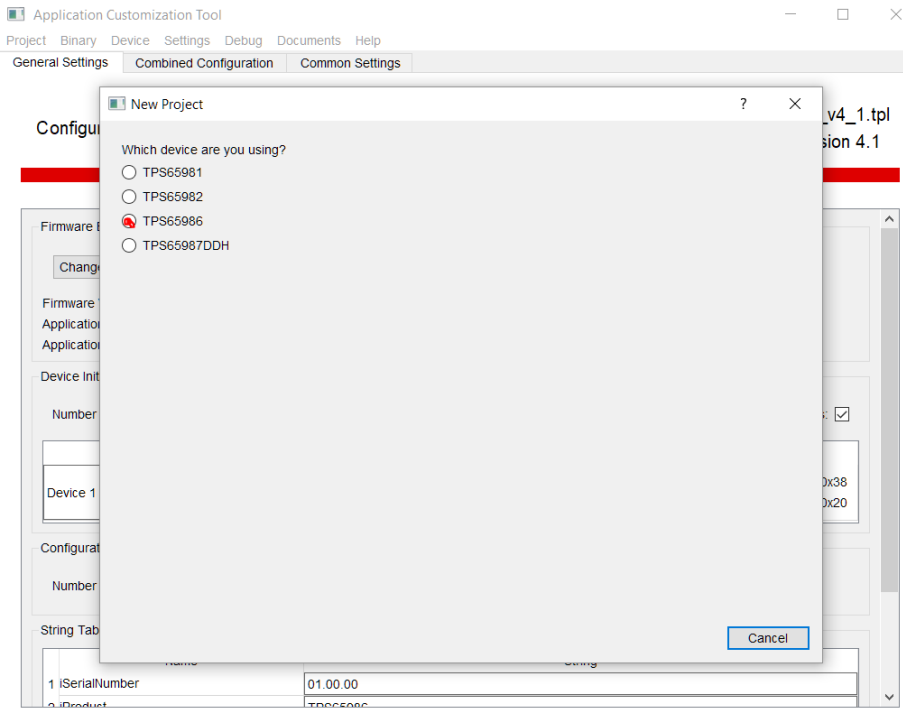


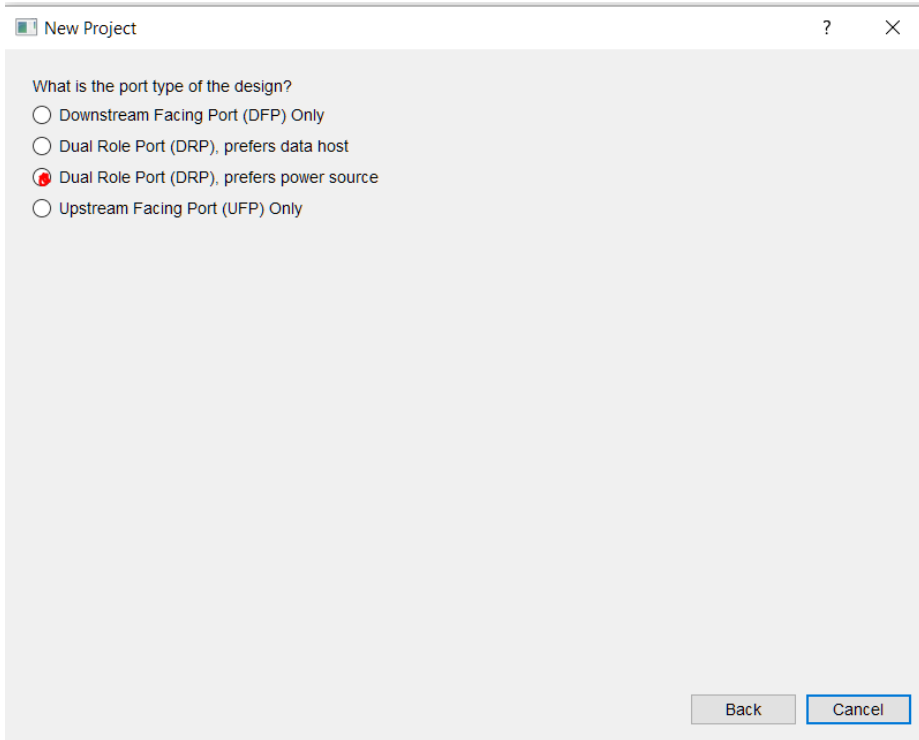
1. Connect Aardvark or any other I2C port controller to access Host interface registers



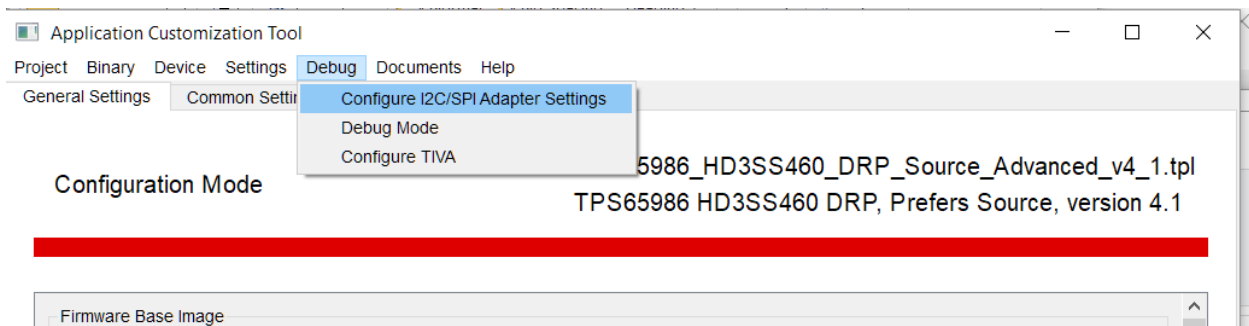
I2C Aardvark Connection
for Host Interface
register access

- Invoke TPS65981_2_6_7 GUI then Select TPS65986=>Advanced=>Dual Role Port(DRP), Prefers Power Source.

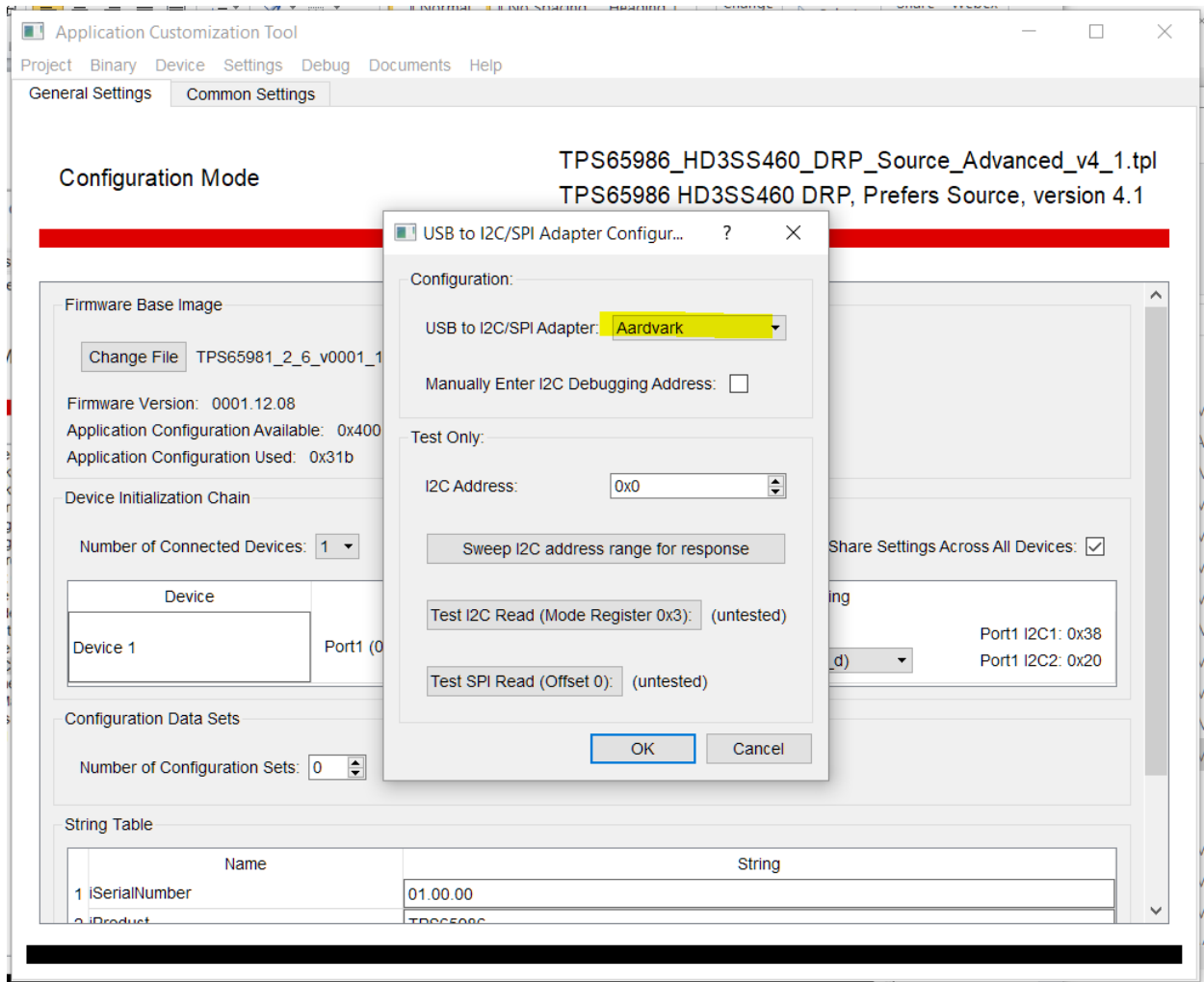




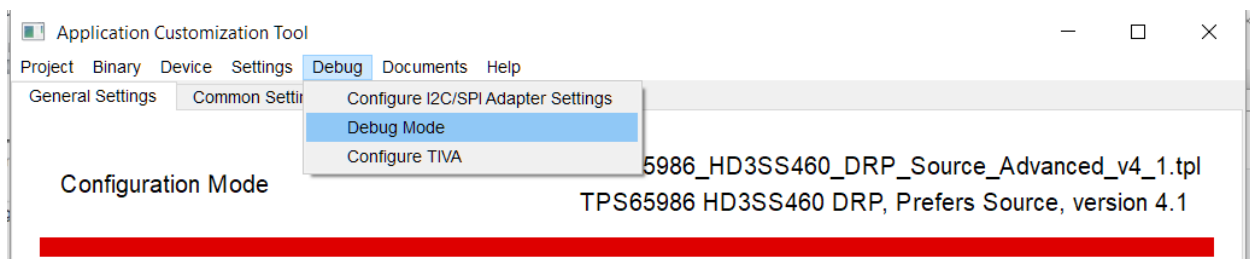
3. Select Debug => Configure I2C/SPI Adapter Settings.



4. Set USB to I2C/SPI Adapter to Aardvark.



5. Select Debug Mode



- Once the connections status becomes "connected" read Display Port Capabilities register under Configuration Registers tab

Application Customization Tool

Settings Debug Documents Help

General Settings Device 1, port 0

Configuration Registers Debug Registers Commands Scripting

Debug Mode Polling **connected**
Aardvark, 0x38 (I2C1)

Field	Value						
Enable Display Port SID	<input checked="" type="checkbox"/>						
Enable Display Port Mode 1	<input checked="" type="checkbox"/>						
Port Capability	DP UFP_D only						
DisplayPort Signalling	DP 1.3						
Receptacle Indication	Receptacle						
USB2.0 Signalling Not Used	<input type="checkbox"/>						
DFPD Receptacle or UFPD Plug Pin Assignment	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">B</td> <td style="padding: 2px;">C</td> <td style="padding: 2px;">D</td> <td style="padding: 2px;">E</td> <td style="padding: 2px;">F</td> </tr> </table>	A	B	C	D	E	F
A	B	C	D	E	F		
UFPD Receptacle or DFPD Plug Pin Assignment	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">B</td> <td style="padding: 2px; background-color: red;">C</td> <td style="padding: 2px; background-color: red;">D</td> <td style="padding: 2px;">E</td> </tr> </table>	A	B	C	D	E	
A	B	C	D	E			
Multifunction Preferred	<input type="checkbox"/>						
Mux Swap	<input type="checkbox"/>						
DisplayPort Mode Auto Entry Allowed	<input type="checkbox"/>						
Billboard Index	Custom Vendor ID 4 Billboard String at Index 6						

7. Enable Multifunction Preferred as shown below.

Application Customization Tool

Settings Debug Documents Help

General Settings Device 1, port 0

Configuration Registers Debug Registers Commands Scripting

Debug Mode connected Polling Aardvark, 0x38 (I2C1)

Field	Value
Enable Display Port SID	<input checked="" type="checkbox"/>
Enable Display Port Mode 1	<input checked="" type="checkbox"/>
Port Capability	DP UFP_D only
DisplayPort Signalling	DP 1.3
Receptacle Indication	Receptacle
USB2.0 Signalling Not Used	<input type="checkbox"/>
DFPD Receptacle or UFPD Plug Pin Assignment	A B C D E F
UFPD Receptacle or DFPD Plug Pin Assignment	A B C D E
Multifunction Preferred	<input checked="" type="checkbox"/>
Mux Swap	<input type="checkbox"/>
DisplayPort Mode Auto Entry Allowed	<input type="checkbox"/>
Billboard Index	Custom Vendor ID 4 Billboard String at Index 6