
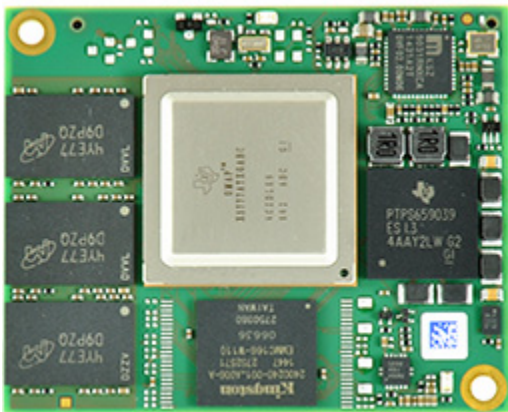


# phyCORE-AM57x

<b>Product Name</b>	phyCORE-AM57x
<b>PHYTEC Product Family</b>	phyCORE
<b>Processor Family</b>	TI AM57x
<b>Processor Architecture</b>	ARM Cortex A15
<b>Quick Links</b>	<div style="border: 1px solid green; padding: 5px; display: inline-block;">  <b>Hardware Manual</b>  <a href="#">phyCORE-AM57x_Hardware_Manual.pdf</a> </div>



## Getting Started

### Welcome!

This page contains technical information for the PHYTEC phyCORE-AM57x. Look through the various tabs to find documentation, software releases, diagrams and drawings, and more. This page should help you get started with your development utilizing the phyCORE-AM57x.

### Working with an Evaluation Kit?

If you have ordered an evaluation kit for the phyCORE-AM57x you should locate the "Evaluation Kits" tab and find your specific kit. The associated evaluation kit page has more detailed information on the kit including QuickStart guides, software images, carrier board design information and more.

### Designing a Custom Carrier Board?

Check out the "Documentation", "Diagrams and Drawings", and "Pinmux and Design Tools" tabs for specifications and design guidelines.

### Developing Software?

The BSPs on the "Software" tab can be used as a reference for developing your production ready software application. The BSPs support the phyCORE-AM57x and PHYTEC provides reference images and source code that target PHYTEC evaluation kits featuring PHYTEC SOMs and SBCs. If you are adapting the BSP to your own custom SOM or custom carrier board then you will want to use the closest evaluation kit configuration as your reference and modify the BSP accordingly.

### Need to order hardware?

Contact PHYTEC Sales. Call 800-278-9913 or send an email to [sales@phytec.com](mailto:sales@phytec.com).

## Unsure what hardware you need?

Contact PHYTEC sales department for help on picking out a PHYTEC product or solution to fit your needs. Call 800-278-9913 or send an email to [sales@phytec.com](mailto:sales@phytec.com).

## Have technical questions?

Visit the PHYTEC Service Desk. Sign up and login [here](#).

### Documentation

## Hardware Manual

File	Modified 
PDF File phyCORE-AM57x_Hardware_Manual.pdf	10 10, 2018 by Lacey Redinger

## Application Notes

- [Application Note: AM57x Automatic Power-On Event at Power Up](#)
- [TI AM57xx Application Notes](#)
- [Touchscreen is not working on the phyCORE-AM572x](#)
- [How to Test Camera on the phyCORE-AM57x Linux RDK](#)
- [How to implement and test SPIDEV on the phyCORE-AM57x Linux RDK](#)
- [How-to: Build an SDK for my Yocto image](#)

## Processor Information



For most updated information including processor data-sheets and reference manuals please visit [TI Sitara AM57x](#)

### Software

#### Linux

### Current Release

- [BSP-Yocto-TISDK-AM57xx-PD18.2.0 Release Notes](#) —

Operating System	Linux
BSP Release Status	<b>RELEASED</b>
Release Date	05 Oct 2018
Repository	<a href="#">PHYTEC Public Repos</a>
Binaries	<a href="#">BSP-Yocto-TISDK-AM57xx-PD18.2.0</a>

### Archive Releases

- [phyCORE-AM57xx-PD15.1-rc3 Release Notes](#)
- [phyCORE-AM57xx-PD15.1-rc4 Release Notes](#)
- [phyCORE-AM57xx-PD15.1-rc2 Release Notes](#)

- [phyCORE-AM57xx-PD15.1-rc1 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD16.1.0 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD18.1.0 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.1 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.0 Release Notes](#)

## Documentation

- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc4](#)
- [BSP-Yocto-TISDK-AM57xx-PD18.2.0 Quickstart](#)
- [phyCORE-AM57xx-PD15.1-rc\[1|2|3|4\] BSP Reference Guide](#)
- [BSP-Yocto-TISDK-AM57xx-PD16.1.0 Quickstart](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc1](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc3](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.0 Quickstart](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc2](#)
- [BSP-Yocto-TISDK-AM57xx-PD16.1.0 BSP Reference Guide](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.1 Quickstart](#)
- [BSP-Yocto-TISDK-AM57xx-PD18.1.0 Quickstart](#)

## Android

### Current Release

- [BSP-Android-TI-AM57x-PD17.1.1 Release Notes](#) —

<b>Operating System</b>	Android
<b>BSP Release Status</b>	<b>RELEASED</b>
<b>Release Date</b>	12 Jun 2017
<b>Repository</b>	<a href="#">PHYTEC Android Repos</a>
<b>Binaries</b>	<a href="#">BSP-Android-TI-AM57x-PD17.1.0.tar.bz2</a>
<b>Kernel Source</b>	<a href="https://stash.phytec.com/projects/ASDK/repos/linux-phytec-ti/browse?at=refs%2Ftags%2FBSP-Android-TI-AM57x-PD17.1.1">https://stash.phytec.com/projects/ASDK/repos/linux-phytec-ti/browse?at=refs%2Ftags%2FBSP-Android-TI-AM57x-PD17.1.1</a>
<b>Quickstart Guide</b>	<a href="#">BSP-Android-TI-AM57x-PD17.1.1 Quickstart</a>

## Archive Releases

### Content by label

There is no content with the specified labels



## Documentation

- [BSP-Android-TI-AM57x-PD17.1.1 Quickstart](#)
- [BSP-Android-TI-AM57x-PD17.1.0 Quickstart](#)

## RTOS

### Current Release

- [BSP-RTOS-TI-AM57x-PD18.1.0 Release Notes](#) —

<b>Operating System</b>	TI-RTOS
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<b>BSP Release Status</b>	<b>RELEASED</b>
<b>Release Date</b>	09 Nov 2018
<b>Repository</b>	<a href="#">PHYTEC TI-RTOS Repos</a>
<b>Binaries</b>	<a href="#">BSP-RTOS-TI-AM57x-PD18.1.0.tar.bz2</a>

## Archive Releases


- [BSP-RTOS-TI-AM57x-PD17.1.0 Release Notes](#)

## Documentation

- [BSP-RTOS-TI-AM57x-PD17.1.x Quickstart](#)
- [BSP-RTOS-TI-AM57x-PD18.1.x Quickstart](#)
- [BSP-RTOS-TI-AM57x-PD17.1.1 Quickstart](#)

## Diagrams and Drawings

### Component Placement Diagrams

File 	Modified
File 1428-2.dxf CAD file for phyCORE-AM57x 1428.2	10 24, 2016 by Joshua Nejedly
PDF File 1428-2BS-ref.pdf phyCORE-AM57x PL1428.2 PCB Placement Diagram Top View	10 24, 2016 by Joshua Nejedly
PDF File 1428-2ls-ref.pdf phyCORE-AM57x PL1428.2 PCB Placement Diagram Bottom View	10 24, 2016 by Joshua Nejedly
File 1428-2step.step step file for phyCORE-AM57x PL1428.2	10 24, 2016 by Joshua Nejedly

 [Download All](#)

File 	Modified
File 1428-3.dxf phyCORE-AM57x PL1428.3 PCB Mechanical Drawing file	04 24, 2017 by Serah Peterson
File 1428-3.step	04 25, 2017 by Matt Davis
PDF File 1428-3BSref.pdf phyCORE-AM57x PL1428.3 PCB Placement Diagram Top View	04 24, 2017 by Serah Peterson

PDF File 1428-3LSref.pdf  
phyCORE-AM57x PL1428.3 PCB Placement Diagram Bottom View

04 24,  
2017 by  
Serah  
Peterson

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File ▲	Modified
File 1428-4.dxf phyCORE-AM57x PL1428.4 PCB Mechanical Drawing file	11 09, 2017 by Serah Peterson
PDF File 1428-4-BS-ref.pdf phyCORE-AM57x PL1428.4 PCB Placement Diagram Top View	11 09, 2017 by Serah Peterson
PDF File 1428-4-LS-ref.pdf phyCORE-AM57x PL1428.4 PCB Placement Diagram Bottom View	11 09, 2017 by Serah Peterson
File 1428-4-step.step phyCORE-AM57x PL1428.4 PCB STEP file	11 09, 2017 by Serah Peterson

↓ [Download All](#)

## Footprints

File	Modified ▲
PDF File PCM-057-CarrierBoard-Connector-Footprint.pdf phyCORE-AM57x SOM footprint for Carrier Board design dimensional drawing (PDF)	11 29, 2017 by Serah Peterson

## Connectors

### SOM Connector

Schematic Reference Designator	Description	Part Information	Order-able Part Number	STEP file
X1, X2	160 pins (2 rows of 80 pins)	<a href="#">Samtec BSH-080-01-L-D-A-KTR</a>	Samtec REF-178708-03	<a href="#">REF-178708-03.step</a>

### Carrier Board Connector

Use the following parts on your custom carrier board design to mate with the PHYTEC phyCORE-AM572x SOM

Description	Part Information	Order-able Part Number	STEP file
160 pins (2 rows of 80 pins)	<a href="#">Samtec BTH-080-01-L-D-A-KTR</a>	Samtec REF-178709-03	<a href="#">REF-178709-03.step</a>

### Design Tools

## PinMux

Visit [TI PinMux Tool Wiki](#) for information on acquiring the PinMux tool from TI.

File	Modified ▲
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Text File README.txt

06 14, 2017 by Matt Davis

File phyCORE-AM57x\_1428\_3\_PinMux\_4\_0\_1490\_v2.pinmux

01 18, 2018 by Matt Davis

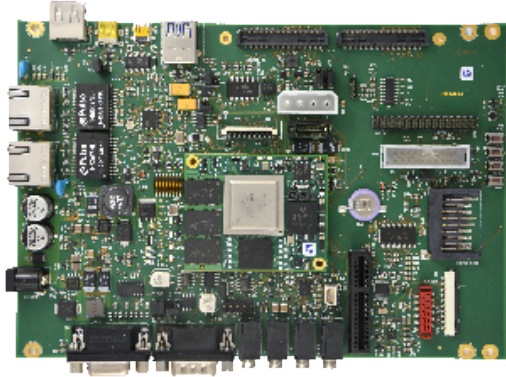
[Download All](#)

## Schematics

 Register for schematics here: [PHYTEC Schematic Registration](#)

## Evaluation Kits

- [phyCORE-AM57x Rapid Development Kit](#) —



<b>Kit Description</b>	phyCORE-AM57x System on Module Evaluation and Development kit
<b>PHYTEC SOM or SBC</b>	<a href="#">phyCORE-AM57x</a>
<b>PHYTEC Carrier Board</b>	PCM-948

## Getting More Help



### PHYTEC Service Desk

Need support? Visit the [PHYTEC Service Desk](#) for technical support, product questions, Return Merchandise Authorizations, and more!