

PEController-OPALRT



OPAL-RT HIL Real-Time Simulator Interface Card

OVERVIEW

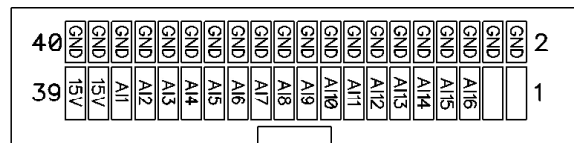
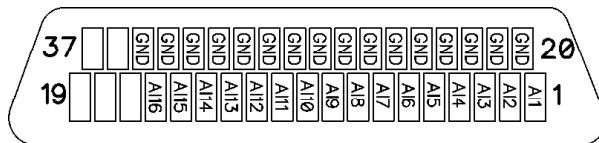
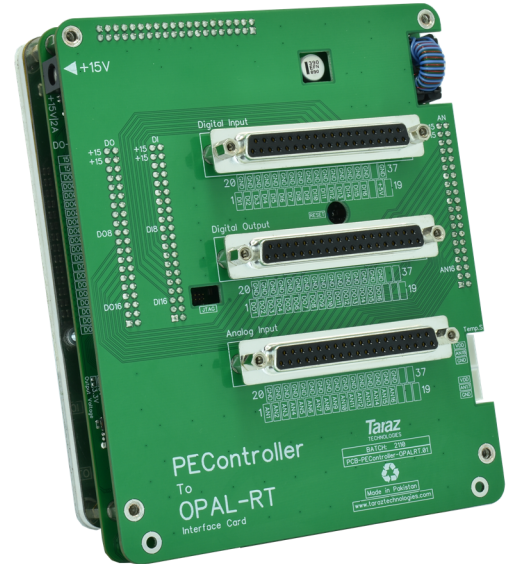
The PEController-OPALRT pluggable daughter card is designed to directly interface PEController and PE-RCP controller modules to OPAL-RT HIL Real-Time Simulators. The channel mapping is straight forward and the DB37 connectors include the required voltage connections, therefore, no additional power or circuitry is required.

Applications

- ✓ PEController Interface to OPAL-RT HIL Real-Time Simulators
- ✓ PE-RCP Interface to OPAL-RT HIL Real-Time Simulators

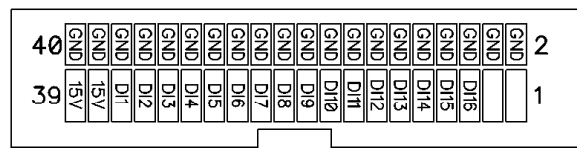
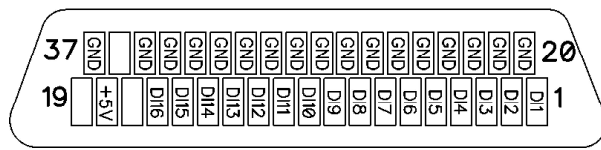
PIN MAPPING

Analog Pin Mapping



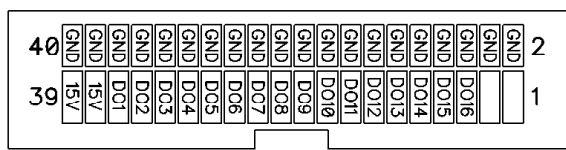
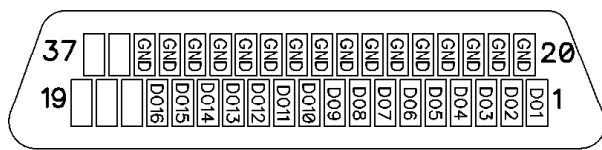
Controller Module Analog Input	OPAL-RT Analog Output Channel
A11	1
A12	2
A13	3
A14	4
A15	5
A16	6
A17	7
A18	8
A19	9
A110	10
A111	11
A112	12
A113	13
A114	14
A115	15
A116	16

Digital Input Connectors Pin Mapping



Controller Module Digital Input	OPAL-RT Digital Output Channel
DI1	1
DI2	2
DI3	3
DI4	4
DI5	5
DI6	6
DI7	7
DI8	8
DI9	9
DI10	10
DI11	11
DI12	12
DI13	13
DI14	14
DI15	15
DI16	16

Digital Output Connectors Pin Mapping



Controller Module Digital Output	OPAL-RT Digital Input Channel
DO1	1
DO2	2
DO3	3
DO4	4
DO5	5
DO6	6
DO7	7
DO8	8
DO9	9
DO10	10
DO11	11
DO12	12
DO13	13
DO14	14
DO15	15
DO16	16

ABOUT TARAZ TECHNOLOGIES

Taraz Technologies has been providing research-oriented power electronics solutions to customers in more than 30 countries. Our products include DC/DC Converters, Gate Drivers, Power Modules, Embedded Controllers, Isolated Sensors, Smart Probes, Data Acquisition devices as well as fully integrated Power Electronics Systems. Our product design philosophy focuses on easy-to-use, research-friendly, and modular solutions that can accelerate the research and development cycle while providing maximum versatility for research. Furthermore, our finished product portfolio includes Programmable Power Supplies and Solar Inverters for the domestic market.

Founded in 2012, Taraz was nominated among the top most innovative technology startups in Pakistan. Our research and manufacturing facility is located in Islamabad, the green capital city of Pakistan.

SAFETY NOTICE

This Device is ESD Sensitive and Needs to be Handled with Care. High Voltage Condition May Occur During Operation of the Device, and Hence User is Solely Responsible for Equipment and Personnel Safety. Taraz Technologies Shall Not be Hold Liable for any Damage to Personnel and/or Properties as a Result of Using this Device. User Must Take Adequate Steps to Ensure Electrical and Mechanical Safety of the Device in Use.

WARNING & DISCLAIMER

The Information Herein is Given to Describe Certain Components and Shall Not be Considered as a Guarantee of Characteristics. Terms of Delivery and Rights to Technical Change Reserved. We Hereby Disclaim any and All Warranties, Including But Not Limited to Warranties of Non-Infringement, Regarding Circuits, Descriptions, and Charts Stated Herein. Customer is Solely Responsible for Proper and Legal Use of all Products Offered by Taraz Technologies.

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Taraz Technologies warrants its Products against defects in material, workmanship, and design for a period of twelve (12) months. The defective Products will be repaired or replaced, free of charge, as per our standard terms and conditions. For more information on warranty and terms, please visit our website at www.taraztechnologies.com.

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