



Dual Ethernet Microcontroller, TTL Programmable Interface, RJ-45 Ethernet Interface, 18 BITS (x2), +6V, D-Sub Connectors

TECHNICAL DATA SHEET

PE70A7000

The PE15A7000 is an dual Ethernet microcontroller module that features two Ethernet ports and gives Designers the capability to more effectively manage and streamline the BIT command control functions of programmable RF modules using a PC computer program, or from a remote location via the Internet. The module communicates serially with a controlling PC computer using GUI downloadable software (see screenshot below) and acts as a TTL programble interface that sends up to 18 (x2) command control BITS. This microcontroller is desirable for use with automated test and measurement and system level applications, and remote sites. The microcontroller has a DC voltage socket that requires +6Vdc (mating connector pin included). For on/off control, the package incorporates a convenient red LED lit push button. Connection ports include two RJ-45 sockets (Ethernet cables not included) and two TTL output ports that use standard D-Sub 25 pin female sockets. A set of two (2) D-Sub 25 pin male mating connectors are included. The model comes with preset IP address and a downloadable operating manual is also included. The PE15A7000 dual microcontroller module provides a TTL programmable interface that works with any device that requires a TTL signal to function. This includes Pasternack lines of RF Switches, Attenuators, Phase Shifters, and Bi-Phase Modulators. The rugged Mil-Grade package assembly has an operating temperature range from -40°C to +70°C.

Features

- Dual Microcontroller Module
- TTL Programmable Interface
- 18 (x2) Comand Control Bits
- Downloadable GUI Software
- +6Vdc Bias Voltage
- Mating Voltage Connector Pin Included
- Red LED Lit Push Button
- Preset IP Addresses: 192.168.100.150 & 192.168.100.151
- 2 x RJ-45 Ethernet Sockets
- 2 x TTL Output Ports
- D-Sub 25 Pin Female Sockets
- D-Sub Connector Mates Included
- Downloadable Operating Manual
- -40°C to +70°C Operating Temperature
- Rugged Mil Grade Package Design

Applications

- Automated Test & Measurment
- System Level Applications
- Remote Sites
- Research & Development
- Military & Commercial Communication Systems
- Radar
- Microwave Radio
- Basestation Infrastructure

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
TTL Protect		1		Kohm
Voltage Protect		10		V
DC Voltage		6		V
DC Current		1		A
Bit Count		18		
Digital Output	0		5	V
Switch	Red LED Lit Push Button			

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Dual Ethernet Microcontroller, TTL Programmable Interface, RJ-45 Ethernet Interface, 18 BITS \(x2\), +6V, D-Sub Connectors PE70A7000](#)



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Mechanical Specifications

Size

Length

6 in [152.4 mm]

Width

5 in [127 mm]

Height

1.25 in [31.75 mm]

Weight

1 lbs [453.59 g]

Material and Plating

Plated Nickel

Connector 1

25 Pin D-Sub Female

Connector 2

25 Pin D-Sub Female

Power Connector

2.1mm ID x 5.5mm OD DC Connector

Ethernet Connector

RJ-45 (x2)

Plotted and Other Data

Performance Data

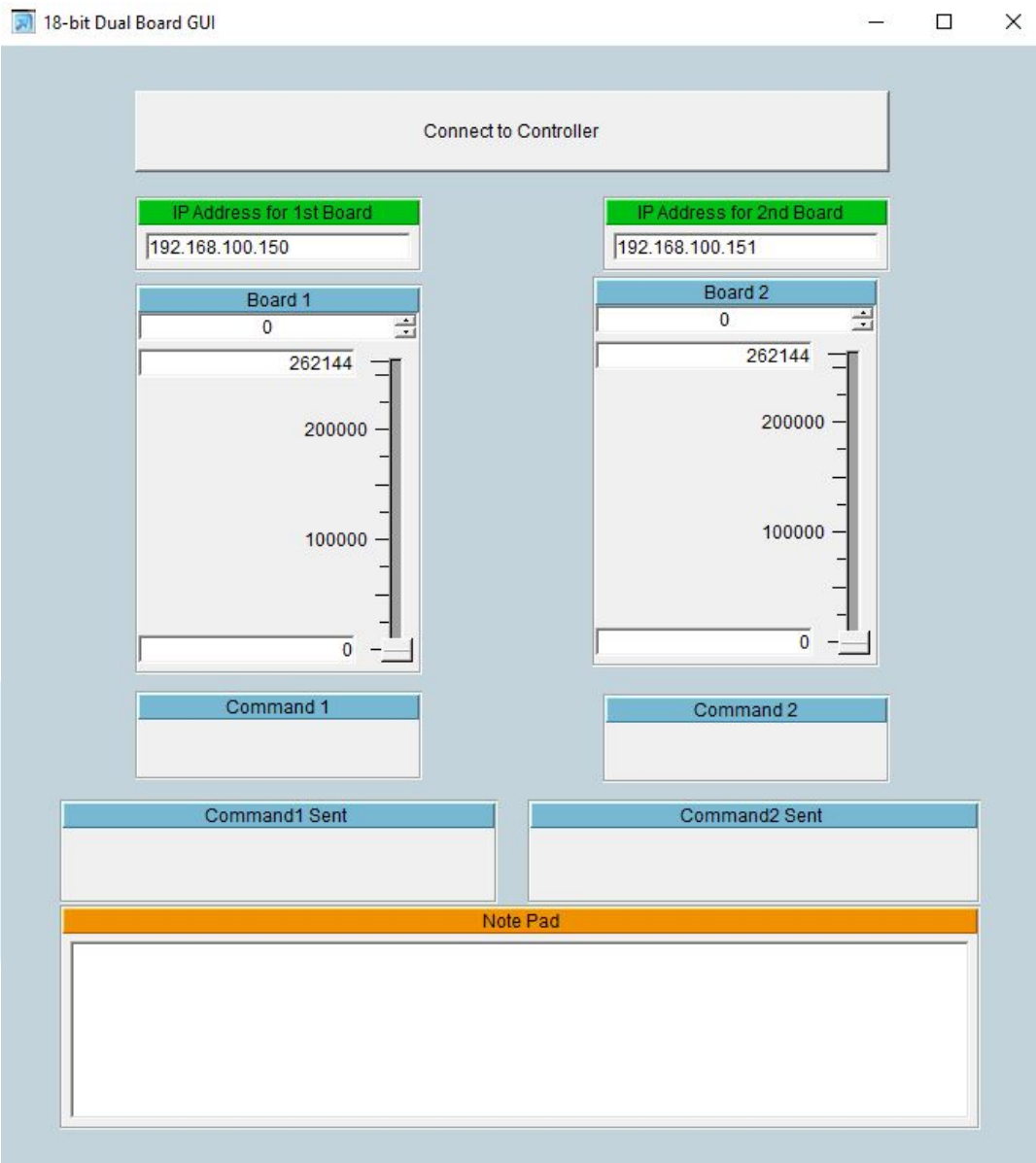
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Dual Ethernet Microcontroller, TTL Programmable Interface, RJ-45 Ethernet Interface, 18 BITS (x2), +6V, D-Sub Connectors from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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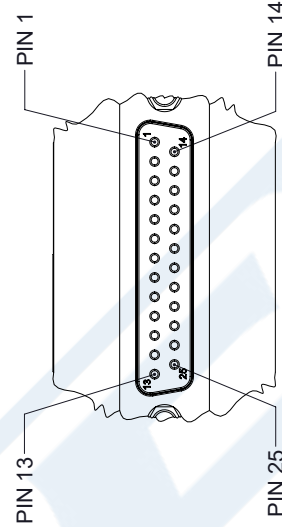
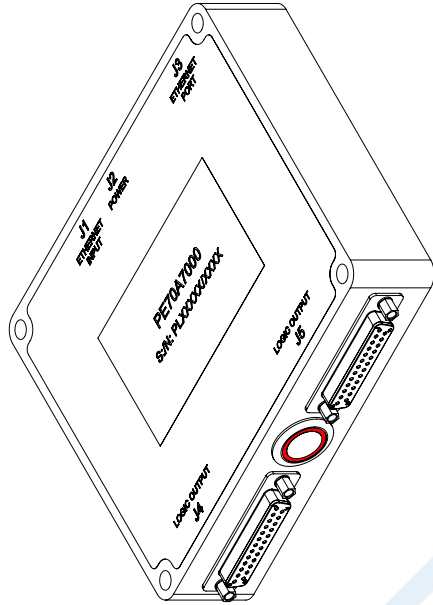
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PE70A7000 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	UPDATE COMPONENT VIEWS	11/22/21	T. GALLA



DETAIL A

LOGIC TABLE FOR J4 & J5 CONN.

25 PIN D-SUB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 to 25
BIT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	GND	N/C

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [1.27] ANGLES ± 1°

.XXX = ±.005 [0.13] CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ±1 [25] / -0

12 [305] < L ≤ 60 [1524] = +2 [51] / -0

60 [1524] < L ≤ 120 [3048] = +4 [102] / -0

120 [3048] < L ≤ 300 [7620] = +6 [152] / -0

300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV B



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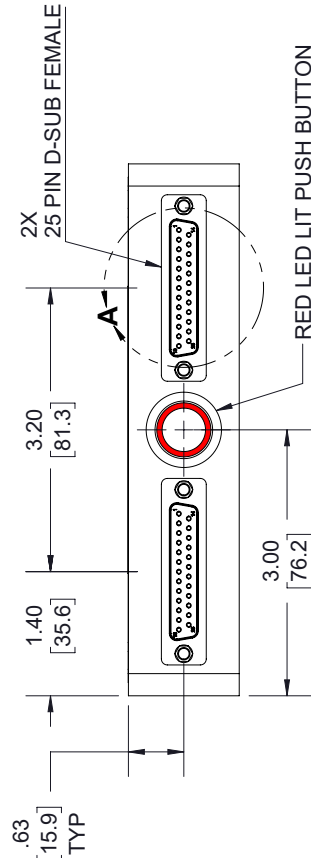
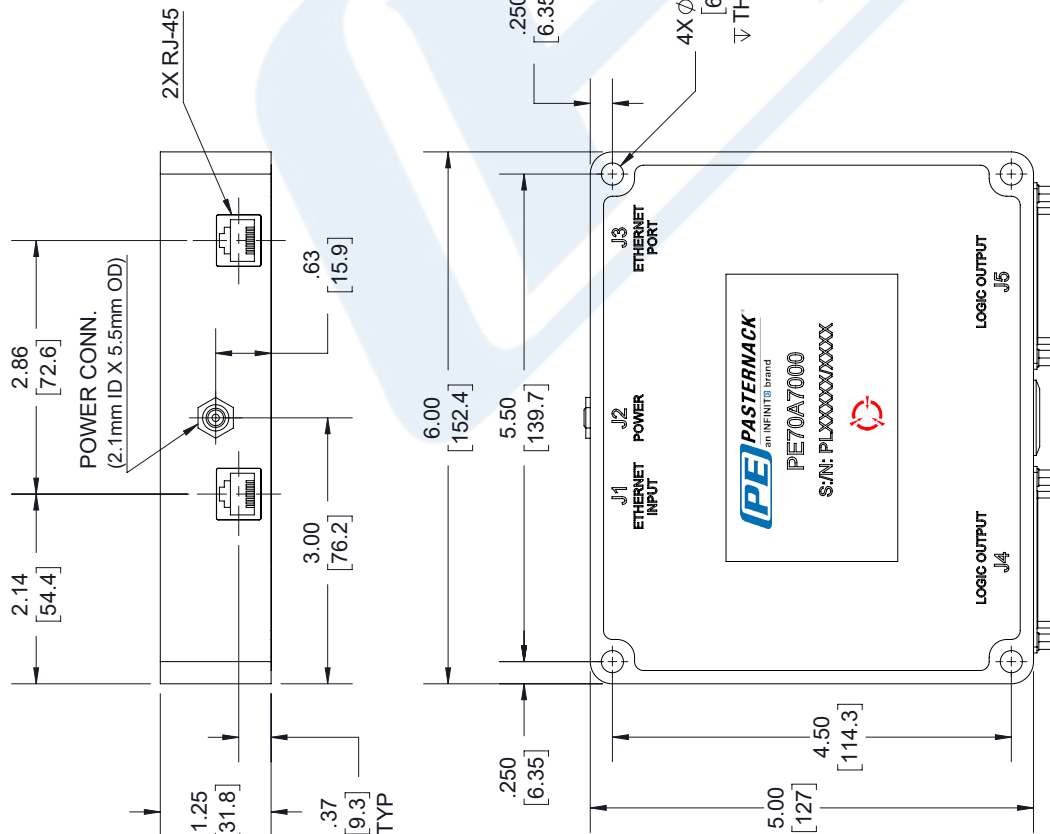
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SIZE CAGE CODE DRAWN BY ITEM NO. PE70A700

A 53919 K.DANG

REV B



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