

From: Dan Edmunds edmunds@pa.msu.edu
Subject: Hub-Module 65th parts order
Date: September 7, 2017 at 9:04 PM
To: Brenda Wenzlick wenzlick@pa.msu.edu
Cc: Wade Fisher fisherw@pa.msu.edu



Hello Brenda,

This is the 65th note in the series of part orders for the Hub-Module circuit board.

This order is for over \$2,500 so I assume that it will go to MSU Purchasing.

Wade, These are the custom frequency PLLs and crystal oscillators. Building the prototype Hub cards used up all but one of each of the spares of these components that were on hand for the long term support of the CMX cards. The quantities being purchased now are for the production of 20 Hubs and for long term support of both the Hub and CMX cards, i.e. to pay back the CMX support stock pile.

Thank you, Dan

HUB Parts Note Number 65: 3 Items

The 3 items in this note are all from a company called Connor-Winfield. The purchasing contact at Connor Winfield is:

Maricella Bolen

email: Maricella Bolen <mbolen@conwin.com>
phone: 630-851-4722
web: www.conwin.com

These 3 items are all custom parts with long lead times.

I have talked with Maricella at Connor-Winfield to verify that all of these items are available and she is expecting an order from MSU.

Some of the part numbers include a decimal point. The "0" in some of the part numbers is in all cases a zero.

Approximate total parts cost for this order: \$ 5,700

Item #1 Description: 40.0787 MHz In/Out PLL with LVPECL Output 3.3V power

Connor-Winfield Part Number: SFX-524G-CRN1
Quantity to Order: 30
Price: \$ 85 each

Item #2 Description: 40.0787 MHz In 320.6296 MHz Out PLL with LVPECL Output 3.3V power

Connor-Winfield Part Number: SFX-524G-CRN2
Quantity to Order: 30
Price: \$ 85 each

Item #3 Description: 40.0787 MHz XO Oscillator with LVPECL Output 3.3V power

Connor-Winfield Part Number: PGF123-040.0787M

Quantity to Order: 30

Price: \$ 20 each