



🔊 Mute This Topic (<https://groups.io/g/HP-Agilent-Keysight-equipment/ft/90054257?csrf=5513314409256117711&mute=1&p=Created%2C%2C%2C20%2C1%2C0%2C0>)

oval power cord... Date ▾ (<https://groups.io/g/HP-Agilent-Keysight-equipment/topic/90054257?p=Created%2C%2C%2C20%2C1%2C0%2C0>) sources?



Labguy ([/g/HP-Agilent-Keysight-equipment/profile/1924661](https://groups.io/g/HP-Agilent-Keysight-equipment/profile/1924661))

Mar 27 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/124304>)

Excellent! Thank you.

Cheers,
George
VK2KGG

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N8AR

Mar 27 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/124303>)

I uploaded a tutorial titled "Obsolete AC-Power Connectors" to the Files section of this group. I downloaded it from the net years ago. The URL where it was located is no longer valid. This document includes the HP "oval" connector.

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Tom Lee

Mar 27 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/124292>)

Thanks, Brad, for the brilliant suggestion!

-- Cheers,
Tom

--
Prof. Thomas H. Lee
Allen Ctr., Rm. 205
350 Jane Stanford Way
Stanford University
Stanford, CA 94305-4070
<http://www-smirc.stanford.edu> (<http://www-smirc.stanford.edu>)

On 3/27/2022 07:34, Brad Thompson wrote:


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 Brad Thompson

Mar 27  (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/124289>)

greenboxmaven via groups.io wrote on 3/26/2022 11:28 PM:

These same power cords were used on a variety of audio-visual equipment and business machines. Try websites and groups devoted to them and you may find sources for the cords.

Bruce Gentry, KA2IVY

Hello, Bruce and the group--

Also, IIRC certain sewing machines used this style of AC-power connector, so check with repair shops catering to sewing machines and vacuum cleaners.

73--

Brad AA1IP

 Reply

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 Glenn Little

Mar 27  (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/124286>)

There appears to be at least two configurations of this power cord. Verify that the connector is wired correctly before applying power.

Glenn

On 3/26/2022 11:28 PM, greenboxmaven via groups.io wrote:

These same power cords were used on a variety of audio-visual equipment and business machines. Try websites and groups devoted to them and you may find sources for the cords.

Bruce Gentry, KA2IVY

On 3/26/22 21:05, Radu Bogdan Dicher wrote:

Bob, Jeremy,

I still need to dig deeper in my parts bin, but I am not yet sure I have something like this at hand: <https://www.te.com/usa-en/product-63381-1.html> (<https://www.te.com/usa-en/product-63381-1.html>) (I think, the female pins Jeremy is talking about). Still digging!!

Radu.

On Sat, Mar 26, 2022 at 5:46 PM Jeremy Nichols <jn6wfo@gmail.com (mailto:jn6wfo@gmail.com)> wrote:

Radu, I've made temporary cords by soldering female pins from Molex-brand connectors to a 3-wire cord. The pins then plug onto each matching pin in the chassis-mounted socket. You have to be careful to put the right wire on each pin but it works until you get the right cord.

Jeremy

On Sat, Mar 26, 2022 at 5:41 PM Bob Albert via groups.io (<http://groups.io>) <bob91343@yahoo.com@groups.io (mailto:yahoo.com@groups.io)> wrote:

Radu, I don't think you want to drive to the San Fernando Valley to borrow a power cord. I could lend you one but you'd end up making two trips or shipping it back.

Why not just use some line cord and a plug and some clips or tack solder?

Bob K6DDX

On Saturday, March 26, 2022, 05:05:50 PM PDT, Radu Bogdan Dicher <vondicher@gmail.com (mailto:vondicher@gmail.com)> wrote:

Hi all,

I am aware this has been discussed here (I read the archives), and - correct me if I'm wrong, or if anyone here is willing to depart with one - but by far the best option is printing it (per https://groups.io/g/HP-Agilent-Keysight-equipment/topic/current_source_for_old_oval/29531826?p=Created%2C%2C%2C20%2C1%2C80%2C0&jump=1 (https://groups.io/g/HP-Agilent-Keysight-equipment/topic/current_source_for_old_oval/29531826?p=Created%2C%2C%2C20%2C1%2C80%2C0&jump=1)). But this requires parts and I'm antsy to check out this HP 8601A I grabbed today at the swap meet in Redondo Beach.

So I'm wondering if anyone local to me (metro Los Angeles, CA) may have one, even just as a lender until I get a chance to build or buy one.

Thank you much in advance,
Radu.

--

Jeremy Nichols

6.

--

Glenn Little ARRL Technical Specialist QCWA LM 28417
 Amateur Callsign: WB4UIV wb4uiv@arrl.net (mailto:wb4uiv@arrl.net) AMSAT LM 2178
 QTH: Goose Creek, SC USA (EM92xx) USSVI, FRA, NRA-LM ARRL TAPR
 "It is not the class of license that the Amateur holds but the class
 of the Amateur that holds the license"

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Radu Bogdan Dicher

Mar 26 <https://groups.io/g/HP-Agilent-Keysight-equipment/message/124282>

Hi Jeremy,

I "found it" - meaning it was recommended by the 3D artwork designer - but I can't really, actually find it. It seems to either be unavailable (no stock), or only available upon quantity purchase (like in the thousands). Still probing the depths of the internets.

I think your suggestion for a Molex part may be a winner.

Radu.

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Jim Ford

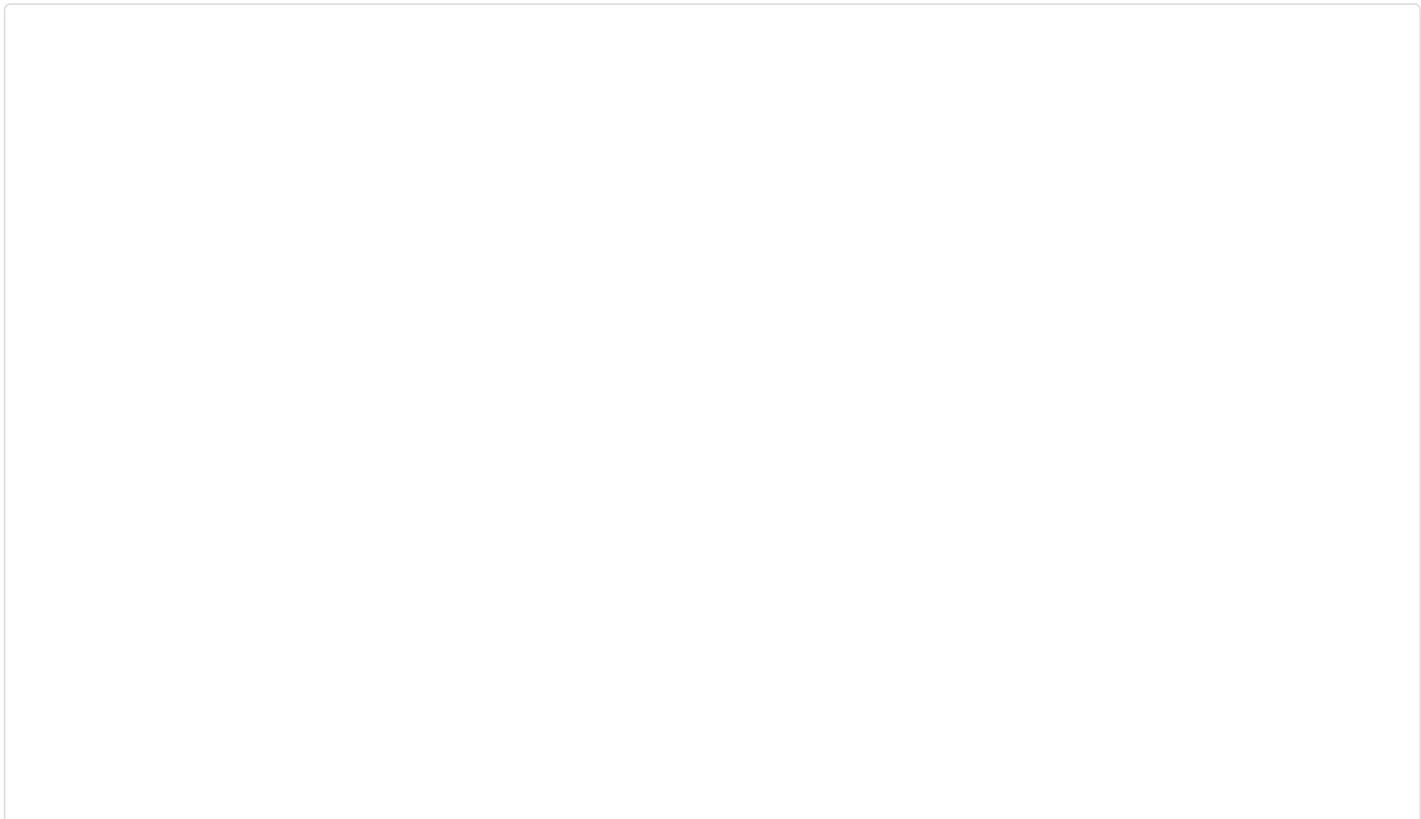
Mar 26 <https://groups.io/g/HP-Agilent-Keysight-equipment/message/124281>

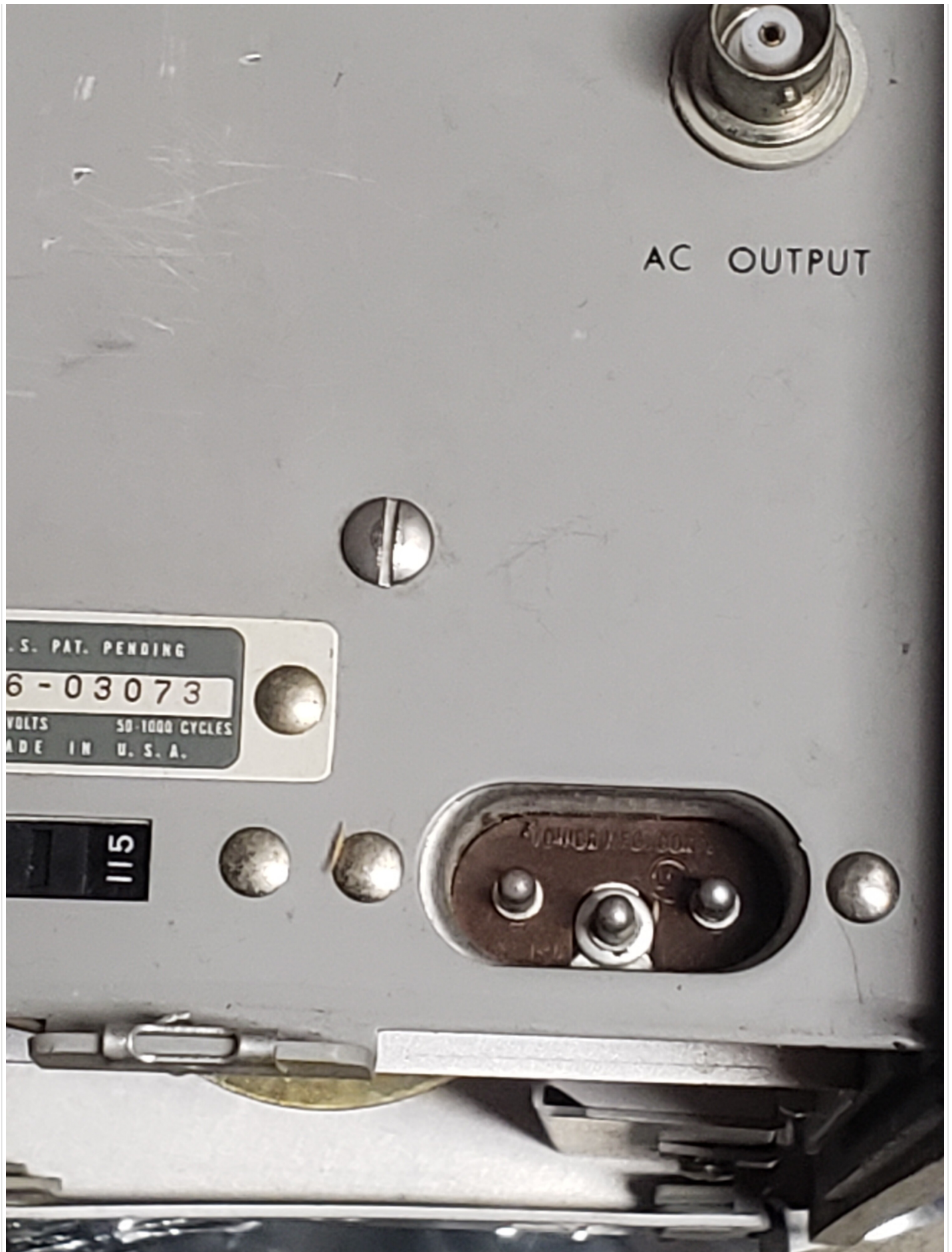
Yep, just like the 400E.

Jim

Sent from my T-Mobile 4G LTE Device

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(https://groups.io/g/HP-Agilent-Keysight-equipment/attachment/124281/0/20220326_205139.jpg)



(https://groups.io/g/HP-Agilent-Keysight-equipment/attachment/124281/1/20220326_205734.jpg)

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Jeremy Nichols

Mar 26 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/124280\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/124280)

I just confirmed on one of my old-HP line cord connectors: the pins are 1/8 inch, approximately 3 mm. So the pin you found will work.

Show quoted text

--

Jeremy Nichols

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Radu Bogdan Dicher

Mar 26 <https://groups.io/g/HP-Agilent-Keysight-equipment/message/124279>

Hi Jim,
Thank you for your offer - I do have a good stock of standard IEC power cables.

I enclose a pic of the back of the unit showing the oval connector and the serial number. It may be a pretty early production unit?...

I was aware of the "oval power connector" issue of HP units of a certain vintage (including the swap between hot and neutral) though I don't think I ever had one such unit. This is though I had a good share of older HPs through the years, just none having this PH-163 connector.

I'm currently 3D printing the work shared on the forum by the author of that artwork. Will seek to jerry-rig some sort of connection between a cable I sacrificed and the pins of the sweeper as they'll insert in the printed socket. If I burn down the house, it's been great knowing y'all!

Just kidding!! I promise it will all be perfectly safe.

Cheers,
Radu.

Show quoted text



([https://groups.io/g/HP-Agilent-Keysight-equipment/attachment/124279/0/HP 8601A rear panel.JPG](https://groups.io/g/HP-Agilent-Keysight-equipment/attachment/124279/0/HP_8601A_rear_panel.JPG))

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Jim Ford

Mar 26 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/124278\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/124278)

Hi, Radu.

All the HP 8601A sweepers I saw for sale online had the now standard IEC connectors on them. Cord sets for these are everywhere. I have plenty of extras as do probably most of the people on this list.

Let me know by PM if you want one of mine.

Anybody on the list, feel free to correct me if there were earlier 8601As with the round contact power inlets. I have one, but only one, of those cord sets with a 400E AC voltmeter.

Jim Ford

Sent from my T-Mobile 4G LTE Device

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Dave McGuire (/g/HP-Agilent-Keysight-equipment/profile/77825)

Mar 26 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/124277\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/124277)

NOTE WELL: These power cords that were common on office equipment have hot and neutral swapped from the HP pinout! Verify the pinout with an ohmmeter before plugging any of these in!

-Dave

Show quoted text

--

Dave McGuire, AK4HZ
New Kensington, PA

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1 person liked this



greenboxmaven

Mar 26 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/124275\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/124275)

These same power cords were used on a variety of audio-visual equipment and business machines. Try websites and groups devoted to them and you may find sources for the cords.

Bruce Gentry, KA2IVY

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Radu Bogdan Dicher

Mar 26 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/124271\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/124271)

Bob, Jeremy,

I still need to dig deeper in my parts bin, but I am not yet sure I have something like this at hand: <https://www.te.com/usa-en/product-63381-1.html> (<https://www.te.com/usa-en/product-63381-1.html>) (I think, the female pins Jeremy is talking about). Still digging!!

Radu.

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Jeremy Nichols

Mar 26 <https://groups.io/g/HP-Agilent-Keysight-equipment/message/124269>

Radu, I've made temporary cords by soldering female pins from Molex-brand connectors to a 3-wire cord. The pins then plug onto each matching pin in the chassis-mounted socket. You have to be careful to put the right wire on each pin but it works until you get the right cord.

Jeremy

Show quoted text

--
Jeremy Nichols
6.

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Bob Albert (/g/HP-Agilent-Keysight-equipment/profile/86253)

Mar 26 <https://groups.io/g/HP-Agilent-Keysight-equipment/message/124268>

Radu, I don't think you want to drive to the San Fernando Valley to borrow a power cord. I could lend you one but you'd end up making two trips or shipping it back.

Why not just use some line cord and a plug and some clips or tack solder?

Bob K6DDX

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Radu Bogdan Dicher

Mar 26 <https://groups.io/g/HP-Agilent-Keysight-equipment/message/124265>

Hi all,
I am aware this has been discussed here (I read the archives), and - correct me if I'm wrong, or if anyone here is willing to depart with one - but by far the best option is printing it (per https://groups.io/g/HP-Agilent-Keysight-equipment/topic/current_source_for_old_oval/29531826?p=Created%2C%2C%2C20%2C1%2C80%2C0&jump=1 (https://groups.io/g/HP-Agilent-Keysight-equipment/topic/current_source_for_old_oval/29531826?p=Created%2C%2C%2C20%2C1%2C80%2C0&jump=1)). But this requires parts and I'm antsy to check out this HP 8601A I grabbed today at the swap meet in Redondo Beach.

So I'm wondering if anyone local to me (metro Los Angeles, CA) may have one, even just as a lender until I get a chance to build or buy one.

Thank you much in advance,
Radu.

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[→ \(https://groups.io/g/HP-Agilent-Keysight-equipment/topic/90016787?p=,,,20,0,0,0::,,,0,0,0,90016787\)](https://groups.io/g/HP-Agilent-Keysight-equipment/topic/90016787?p=,,,20,0,0,0::,,,0,0,0,90016787)

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