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| Traveler Title | 8 Pin Cryogenic Feedthrough ColdShock |
| Traveler Abstract | 8 Pin Cryogenic Feedthrough ColdShock, this is for the work station VTA. |
| Traveler ID | C100R-VTA-FT08P-CSHK |
| Traveler Revision  | R1 |
| Traveler Author |  |
| Traveler Date | 20-Feb-2024 |
| NCR Informative Emails |  |
| NCR Dispositioners |  |
| D3 Emails |  |
| Approval Names |  |  |  |  |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Work Center Reviewer | Work Center Reviewer | Project Manager |

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| --- | --- |
| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
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| Revision Note |   |
| R1 | Initial release of this Traveler. This is separated from old receving inspection traveler per Pnasophy policy.  |

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| Step No. | Instructions | Data Input |
|  | **HOM feedthru is an ultra high vacuum component. Wear talc free latex or Nitrile gloves at all times when handling this component**. |  |
|  | **VTA** |  |
| 1 | This step is after the inspection traveler C100R-INSP-HMFT.Cold cycle [VTA] * Use dry nitrogen to remove trapped moisture from part if needed.
* Place and fasten feedthroughs in cold shock feedthru mounting plate in test stand. Be cautious not to damage the niobium probe.
* Cool-down to 4K using standard cool-down rate, approx. room-temp to 4K in one hour.
* Fill dewar to approx. 30-50 cm. making sure that the feedthru is covered in liquid.
* Park at 30 minutes minimum.
* Warm to room-temp, repeat 2 additional times for a total of 3

Enter the name and date.Provide comments and/or pictures if the cool down procedure was unsusual. When the cold cycle is done, pass the feedthroughs to a leak check operator and notify QC group.Final leak check will use the separate traveler, C100R-CMA-HMFT-LEAK. | [[FT08PSN]] <<FT08PSN>>[[Cryo\_name]] <<SRF>>[[Cryo\_date]] <<TIMESTAMP>>[[Cryo\_comment]] <<COMMENT>>[[VTA\_Pics]] <<FILEUPLOAD>>  |