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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>> |