# HEC Feedthrough Spare Connectors

## Total of 8 HEC feedthroughs

HEC Meeting 17/03/99
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**HEC Feedthrough**

| | |
|---|---|
| Number of feedthrough units per endcap | 4 |
| Number of spare feedthroughs | 1 |

| connector | pigtail type | | connector | pigtail type |
|---|---|---|---|---|
| 15A | LV | | 15B | LV |
| 14A | LV | | 14B | LV |
| 13A | LV | | 13B | LV |
| 12A | T51 | | 12B | T51 |
| 11A | T51 | | 11B | T51 |
| 10A | T50 | | 10B | T50 |
| 9A | T50 | | 9B | T50 |
| 8A | T49 | | 8B | T49 |
| 7A | T49 | | 7B | T49 |
| 6A | T49 | | 6B | T49 |
| 5A | T49 | | 5B | T49 |
| 4A | T47 | | 4B | T47 |
| 3A | T47 | | 3B | T47 |
| 2A | T48 | | 2B | T48 |
| 1A | T48 | | 1B | T48 |

**Only 4/6 of these connectors are required**

**EMEC**

| pigtail type | per feedthrough | per endcap | both endcaps | spare feedthroughs |
|---|---|---|---|---|
| T47 | 4 | 16 | 32 | 4 |
| T48 | 4 | 16 | 32 | 4 |
| T49 | 8 | 32 | 64 | 8 |
| T50 | 4 | 16 | 32 | 4 |
| T51 | 4 | 16 | 32 | 4 |
| T52 | 0 | 0 | 0 | 0 |
| LV | 6 | 24 | 48 | 6 |
| Total | 30 | 120 | 240 | 30 |

**needs updating**

Which 4 connectors are used for LV?

What do we do with the other 2?