EPXB FOR GALLEY INSERTS
Some definitions:

✓ What is a Galley?
It is the Kitchen on board a commercial airplane.

✓ What is a Galley insert?
It is a catering equipment on board a commercial airplane
(example: beverage maker, oven).
Background:
Aircraft galley insert equipment has historically been developed without uniform industry guidance. This has resulted in a variety of galley inserts (GAIN) being designed with non-interchangeable interfaces between similar functional catering equipment. This trend has created tremendous inflexibility in galley configurations, reducing the ability to upgrade and retrofit in-flight meal service components, restricting an airlines ability to select products from multiple suppliers, and ultimately driving up industry costs.

ARINC 810 has been raise to solve this problem.
GAIN SIZE:

GAIN are categorized by the size of the cavity in which they are inserted:

Size 1: Beverage makers
Size 2: Ovens / refrigerators
Size 3: Trolleys
Size 4: Containers
EPXB FOR GALLEY INSERTS

The EPXB connector:
One configuration only, 25Q1 insert in shell cavity A
6 insert in shell cavity B

Strain relief backshell

Spring loaded float mount with self alignment design

Pin guide for blind mate (rack & panel) application
**EPXB FOR GALLEY INSERTS**

The connector can be procured assembled or as a kit

- Assembled plug P/N: 617610189
- Kit for plug:
  - plug shell = 617610212
  - insert for cavity A = EPXBE25Q1SA
  - insert for cavity B = EPXBE06SB
  - size 22 contacts = 617200 (qty = 24)
  - size 12 contacts = 617350 (qty = 6)
  - sealing plugs = 616910 (qty = 9)
  - backshell = 617922007 (qty = 1)
  - dust caps = 617954002 (qty = 2)
The connector can be procured assembled or as a kit

- Assembled receptacle P/N: 617610188
- kit for receptacle:
  - receptacle shell = 617610213
  - insert for cavity A = EPXBE25Q1PA
  - insert for cavity B = EPXBE06PB
  - size 22 contacts = 617300 (qty = 24)
  - size 12 contacts = 617250 (qty = 6)
  - sealing plugs = 616910 (qty = 9)
  - dust caps = 617954003 (qty = 2)
Parallel size 8 twinax contacts:

In order to connect a CAN bus which allows the GAIN to communicate together, a mated pair of parallel (non concentric) twinax has been developed according to ABS1111 and ABS1112 (Airbus specifications). These contacts are to be ordered separately. As Airbus does not need and does not have any time and money to qualify a new source for these contacts, we will not qualify them.
Qualification:

The qualification of the connector by itself is not yet scheduled. First, the ARINC 810 committee has to approve the test program. This should happen in 2005. However, GAIN manufacturers are currently qualifying their galleys and GAIN for use on the A380.