

IE-30 to IE-17 Interconnect Cable

The IE-30 to IE-17 Interconnect cable is a 'simple' seven pin cable wired 1:1. That is pin 1 connects to pin 1, pin2 connects to pin2, ..., pin 6 connects to pin 6, and pin 7 connects to pin 7.

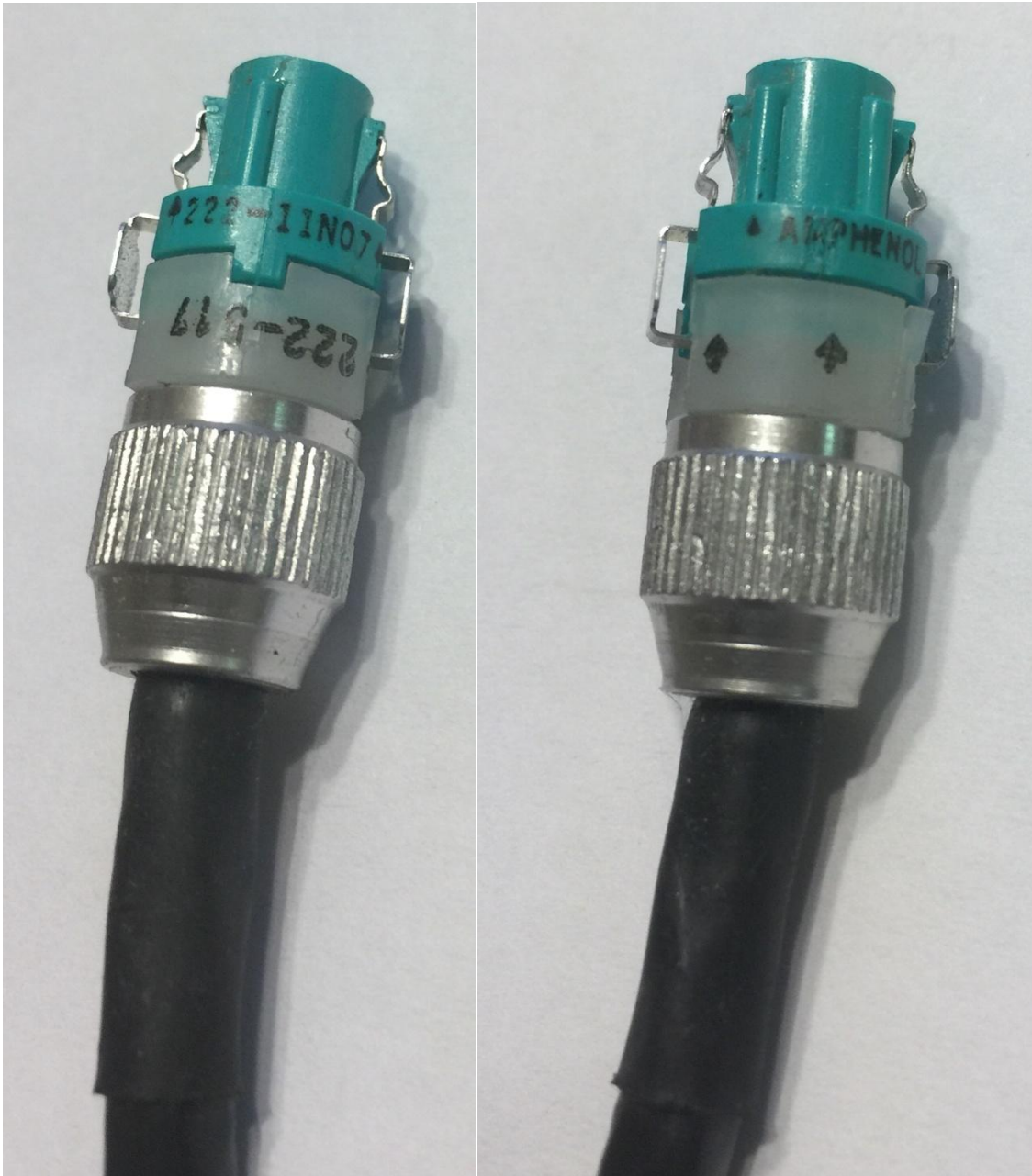


The tricky part today is finding this obsolete Amphenol Connector series. It was a common connector in the past but seems to be relegated to specialty aircraft parts suppliers today.

The connector is an Amphenol 222-11N07 Shell with a 222-517 Strain Relief.

There is a good possibility that the 222-11N07 Shell requires the pins to be ordered separately.

One Aerospace supplier suggests that a possible complete connector part number may be 222-11N07-1001AC



IE-30A/IE-17A 7 PIN DIGITAL INTERFACE

The I/O connectors of the IE-30A and the IE-17A have the pin configuration shown in Figure 53 below:

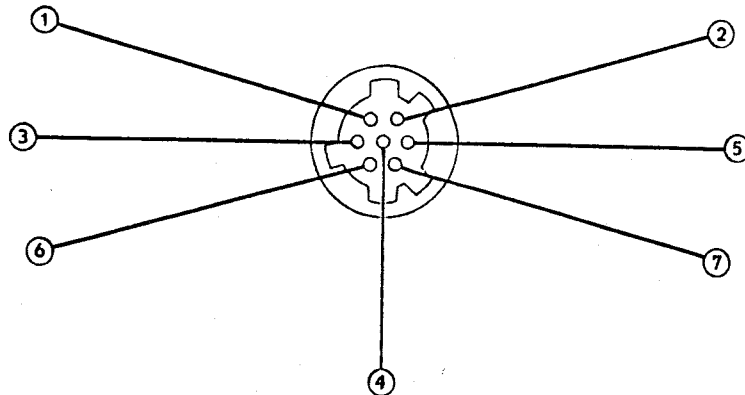


Figure 53

When the IE-30A is connected to the IE-17A using the supplied umbilical, Pin 1 of the IE-30A is connected to Pin 1 of the IE-17A, Pin 2 to Pin 2, and so on through Pin 7.

The electrical interface between the IE-30A and IE-17A is described in the table below.

<u>Pin #</u>	<u>IE-30A</u>	<u>IE-17A</u>
①	Ground	Ground
②	SPL Output - Variable DC	SPL ADC
③	4.8v. Output	Power Supply Input
④	Display Control	Frequency Marker
⑤	Clock Line	X-Axis Sync
⑥	Gate In	Gate Control
⑦	Y-Axis Output Variable D.C.	Y-Axis ADC