artdaq - Feature #19738

TCPSocketTransfer Partition Awareness and listen port clean-up

04/17/2018 12:01 PM - Eric Flumerfelt

Status:	Closed	**Start date:**	04/17/2018
Priority:	Normal	**Due date:**	
Assignee:	Eric Flumerfelt	**% Done:**	0%
Category:	Additional Functionality	**Estimated time:**	0.00 hour
Target version:	artdaq v3_01_00		
Experiment:	-	**Co-Assignees:**	

Description

TCPSocket_transfer has been modified so that only one listen port will be used per application. This port will be <partition number> * 10000 + rank. Connecting sources advertise their rank in the connect message, which is used to direct the socket to the appropriate TCPSocket_transfer instance.

Large parts of TCPSocket_transfer have been rewritten to accomodate this change and make sure that automatic reconnection and multiple senders with the same rank function correctly.