

SOURIAU

JBX Application Success Story Feature Focus: Contact Stability Market Focus: Medical Application Focus: Respiratory Ventilation

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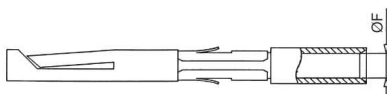


This month's success story highlights the Medical Respiratory Ventilation market. One growing market segment within this area is the Neonatal Intensive Care Unit (NICU). A host of life sustaining equipment is utilized within the NICU daily. The nurses and doctors depend on the equipment and the electrical connectors to function without fail for the well being of their patients. These clinicians put their faith into a cable that once plugged into the injector module of the ventilator will function without failure. Many of the devices have an injector module unit that is connected to the main device with a cable that would be the exact JBX application.

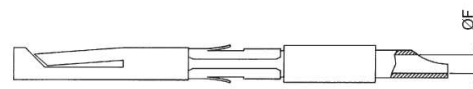
The JBX connector is an ideal choice for a ventilation device for several reasons. First, this type of equipment is found not only in NICU locations, but in a variety of other locations many of which require repeated matings. Additionally, once mated, the connection needs to be secure, stable and reliable. Finally, the connection needs to be easily mated and unmated, especially in a gloved environment. Several JBX push pull design features highlighted below make this connector the perfect choice.

First, the push pull feature will take over 1000 mating cycles. The contacts have a full 50 micro inches of gold plating allowing for repeated reliable electrical matings. Next, the contact used in JBX push pull socket is specifically designed for reliability and stability. Unlike normal sockets, the push pull socket design shown below aids in guiding the pin to position. Once mated, the pin is encapsulated within the socket and unlike traditional tulip designed sockets; this design allows is ideal for high mating cycles as well as the shock and vibration specifications. *This would be critical in any medical transport application.* Finally, the JBX outer shell ribbing design allows the connector to be easily gripped and mated and unmated using surgical gloves.

Many companies offer Ventilation equipment and there is normally an injector module electrical cable which connects the injector module and the base unit. This is the perfect fit for a JBX push pull connection.



Crimp Socket Contact



Solder Socket Contact