

## Duke Manufacturing offers State of the Art Control System to Ensure Food Safety and Quality



### Customer Profile

Customer: Duke Manufacturing  
Location: St. Louis, MO  
Industry: Food Processing  
Equipment Manufacturer

### Challenge

- Provide a panel mountable USB connectivity solution

### Solution

- Off the shelf panel mount USB cable (UPMA5-075M)

### Results

- Saved customer time and money by using a COTS design
- Met customers product launch deadline

### Challenge

Duke Manufacturing offers more than twenty product lines with over 4,500 SKUs and operates two manufacturing plants in St. Louis and Sedalia, Missouri. Duke's Sedalia plant covers 680,000 square feet and is ISO certified. Duke operates global sales, service and distribution facilities in Europe, Latin America and Asia and is known for the delivery of energy efficient, green product solutions.

Duke provides food processing equipment which has lower operational and maintenance costs and is easier to clean than competitors products and meets the requirements of GOLD STANDARD food quality for extended periods of time resulting in an increase in product yields for its customers.

As part of Duke's latest product design they had developed a control system for use with its commercial restaurant equipment to monitor and control various environmental factors such as temperature and humidity. The control system required USB connectivity that needed to be accessible via the outside of a panel. Duke needed some type of integrated, panel mount USB cable to make the design work. Duke engineers searched for off the shelf solutions but could not locate one that would work in their design until they turned to L-com.

### Solution

After reviewing Duke's design requirements L-com provided several different samples of it's off the shelf panel mount USB cables for Duke to test. Duke found that L-com's USB Type A female to female header connector cable assembly was exactly what they needed to make the new design successful. Duke was able to start volume production immediately since the cable was an off-the-shelf stock item.

### Results

By utilizing L-com's unique off-the-shelf USB cable assembly, Duke was able to deliver a timely product solution to several large international chain restaurants providing their customers with safe, high quality food.