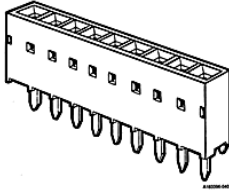



**68685-320LF - DUBOX™ : 20 Position
PCB Mounted Receptacle, Through Mount,
Top Entry, Single Row**



www.fci.com

Mating Half

 77311-101-20LF

Specifications

Approvals / Certifications

| | |
|-----------------------------------|---------------------|
| UL File Number | E66906 |
| CSA File Number | LR46923 |
| Approvals / Certifications | UL and CSA Approved |

Mechanical

| | |
|-------------------------|---------------------------------|
| Insertion force | 1.31N (145 gf) avg. per Contact |
| Withdrawal Force | 0.27N (30 gf) min. per Contact |

Dimensional

| | |
|--------------------------|---|
| Thickness (Board) | 1.6 mm (0.062 in.) or 2.36 mm (0.093 in.) |
| Footprint (Board) | 2.54 mm x 2.54 mm (0.1 in. x 0.1 in.) |

Electrical

| | |
|--------------------------------|---|
| Current rating | 3A max. per Contact/2A max. per Contact for Full Load |
| Resistance (Contact) | 15 milli ohms Initial, 20 milli ohms After test |
| Resistance (Insulation) | 1000 M-ohms |
| Voltage rating | 1000V rms |

General

| | |
|-------------------------------------|---|
| Hold Down Style | No Locating Pegs |
| Number of contacts (per row) | 20 |
| Number of contacts (Total) | 20 |
| Number of rows | 1 |
| Orientation | Vertical |
| Packaging | Tube |
| Mating half | Mates with 0.64 mm (0.025 in.) Square pins. |
| Series Number | 68685 |

Mounting

| | |
|-----------------------|-----------------------------|
| Solder process | Wave IR Vapor - Phase |
|-----------------------|-----------------------------|

Physical

| | |
|---------------------------|-----------------|
| Color (Housing) | Black |
| Material (Contact) | Phosphor Bronze |

| | |
|-------------------------------|---|
| Material (Housing) | High Temperature Thermoplastic |
| Plating (Contact area) | 0.76 μm (30 $\mu\text{in.}$) Gold |
| Plating (Tail) | 2.54 μm (100 $\mu\text{in.}$) Tin |
| Underplating (Contact) | 1.27 μm (50 $\mu\text{in.}$) Nickel |
| Flammability rating | UL 94 V-0 |
| Temperature (Range) | -65 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$ |