



# PRODUCT SPECIFICATION

## 71395 DUAL ROW, HIGH PROFILE, SURFACE MOUNT, VERTICAL RECEPTACLE ON .100 CENTERS

### 1.0 SCOPE

This specification covers a .100 grid dual row, surface mount receptacle utilizing a double beam female box contact and designed for use with .025" square pins. The product is available with or without integral mounting (retention) pegs for assembly ease, and/or retention during soldering.

### 2.0 PRODUCT DESCRIPTION

#### 2.1 PRODUCT NAME AND SERIES NUMBER(S)

Product Name	Part Number
Dual Row with pegs	71395-0***
Dual Row without pegs	71395-1***

#### 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

See appropriate sales drawings and packaging specifications for information on dimensions, materials, platings and markings.

#### 2.3 SAFETY AGENCY APPROVALS

U.L. File No. E-29179  
C.S.A. File No. 19980

### 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

SDA-71395-0\*\*\*  
SDA-71395-1\*\*\*  
PK-70873-0304  
PK-71395-001

### 4.0 RATING

4.1 VOLTAGE: 250 VOLTS AC (RMS)

4.2 CURRENT: 2.5 AMPS

#### 4.3 TEMPERATURE

4.3.1 OPERATING TEMPERATURE: 40°C TO + 105°C  
4.3.2 PROCESSING TEMPERATURE: +260 °C MAXIMUM FOR 60 SECONDS.

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DOCUMENT NUMBER: <b>PS-71395</b>	CREATED / REVISED BY: <b>BSMART/NDUNNE</b>	CHECKED BY: <b>SMILLER</b>	APPROVED BY: <b>COMERCI</b>

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## 5.0 PERFORMANCE

### 5.1 ELECTRICAL REQUIREMENTS

- 5.1.1 RATED CURRENT: 2.5 AMPS (D.C.) MAX.
- 5.1.2 DIELECTRIC STRENGTH: 1500 V RMS @ SEA LEVEL
- 5.1.3 INSULATION RESISTANCE: GREATER THAN 1000 MEGOHMS
- 5.1.4 TEMPERATURE RISE/CURRENT: 30 DEGREES CELSIUS MAX @ 2.5 AMPS
- 5.1.5 CONTACT RESISTANCE: 15 MILLIOHMS MAX.

### 5.2 MECHANICAL REQUIREMENTS

- 5.2.1 INSERTION / WITHDRAWAL FORCES
  - 5.2.1.1 TIN  
INSERTION FORCE: .24 LB / 1.07N AFTER 25 CYCLES  
WITHDRAWAL FORCE: .25 LB / 1.11N AFTER 25 CYCLES
  - 5.2.1.2 GOLD  
INSERTION FORCE: .25 LB / 1.11N AFTER 50 CYCLES  
WITHDRAWAL FORCE: .14 LB / .62N AFTER 50 CYCLES
- 5.2.2 DURABILITY  
50 MATING CYCLES FOR GOLD, 25 MATING CYCLES FOR TIN/LEAD

### 5.3 ENVIRONMENTAL REQUIREMENTS

- 5.3.1 THERMAL SHOCK: 10 CYCLES, -40/+105 C, ½ HOUR @ EACH TEMP SETTING
- 5.3.2 HUMIDITY: 100 HOURS @ 95-100% R.H.

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