## I. MECHANICAL SPECIFICATIONS:

| | |
|---|---|
| Insulator: | Glass reinforced polyester UL-94V-0 |
| Contact: | Phosphor Bronze |
| Plating: | Per CA Specification #100003 |
| Contact Insertion Force: | 16 oz. (454 grams) Max. |
| (using opposing pairs of contact) | 8 oz. (225 grams) typ. |
| Contact Withdrawal Force: | 2 oz. (57 grams) Min. |
| (using opposing pairs of contact) | |
| Normal Force: (per pair) | 2 oz. (57 grams) nom. |
| Contact Retention: | 7 lb. (3175 grams)/contact min. |

## II. ENVIRONMENTAL SPECIFICATIONS:

| | |
|---|---|
| Temperature Rating: | -55°C to +125°C |

## III. ELECTRICAL SPECIFICATIONS:

| | |
|---|---|
| Current Rating: | 3 Amp |
| Voltage Rating: (at sea level) | 600V DC |
| Dielectric Withstanding Voltage (at sea level) | 650V AC rms Min. |
| Contact resistance: | < 10 milliohms typ. |
| | 25 Milliohms Max. |
| Insulation Resistance: | > 5000 Megohms |

IV. Connectors meet the preceding specification after 25 insertions with .062 thick steel blade.

V. Contact resistance was mearured using contacts selectively plated with .000020 inches of gold on contact area, mated with .062 thick print circuit board with contact fingers plated with .000020 inches of gold.

VI. Connector meets the class II durability criteria of EIA-IPC standard RE-406/IPC-C-405C which is 250 cycles at a rate of 100-300 cycles/hour.

VII. Meets the requirement of the European parliament and the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES, TOLERANCES ARE :

FRACTIONS ± DECIMALS .X ± .XX± ANGLES ±

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| APPROVALS | | DATE |
|---|---|---|
| DRAWN | ART JOCHEN | 07-22-83 |
| CHECKED | John Mc Allister | 07-22-83 |

| REV | DESC. | DATE | INIT. |
|---|---|---|---|
| B | ECO 814 | 02-26-86 | A.J. |
| C | DO 7593 | 12-10-2020 | T.L. |

CA **CIRCUIT ASSEMBLY CORP.**

6 AUTRY SUITE 150, IRVINE, CALIFORNIA 92618

# SPECIFICATIONS - EC SERIES CONNECTOR, EDGE CARD

| SIZE | CODE IDENT NO. | DRAWING NO. | REV. |
|---|---|---|---|
| A | 52072 | 100031 | C |

SCALE: NONE | DO NOT SCALE DRAWING | SHEET 1 OF 1