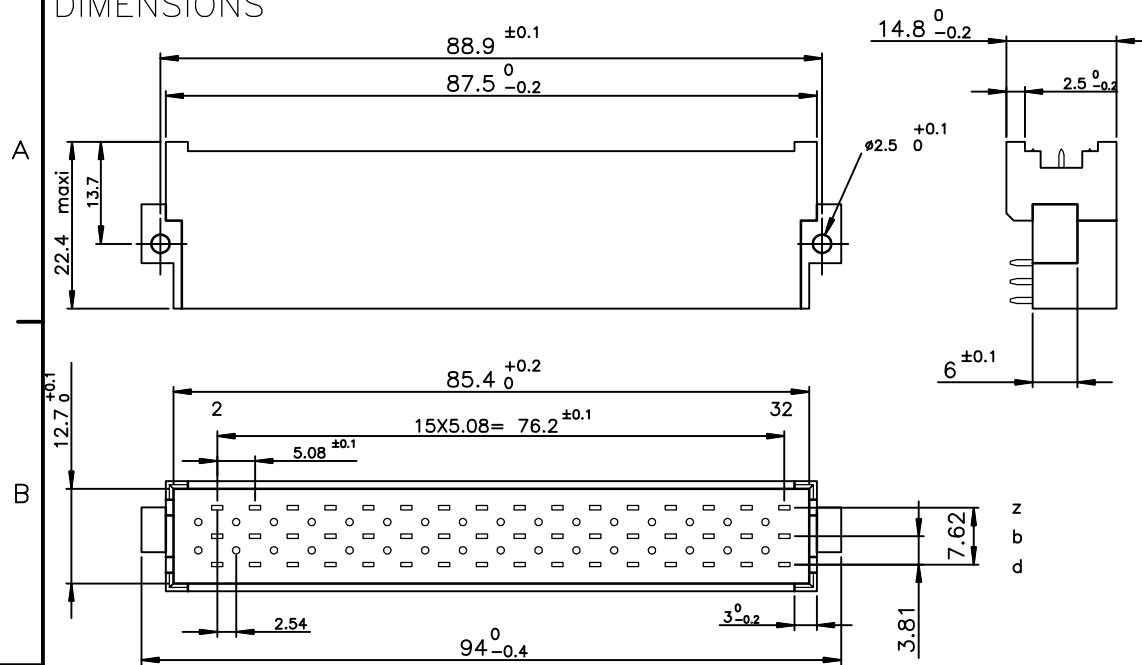


# DIMENSIONS



## ELECTRICAL DATA

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| -Current at AMB.       | 5.5 A at 20° / 4 A at 70°                                 |
| -Contact resistance    | ≤15mΩ according to DIN 41640 Teil 4 test 2a               |
| -Insulation resistance | ≥10 <sup>6</sup> MΩ according to DIN 41640 teil 7 test 3a |
| -TEST VOLTAGE          | according to DIN 41640 teil 21                            |
| contact/contact        | 1550 V                                                    |
| contact/ground         | 2500 V                                                    |

## MECHANICAL DATA

|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| -Insertion force           | ≤75N                                                |
| -Mechanical endurance      | 500 matings unmatings according to DIN41640 teil 21 |
| -Material insulator        | Thermoplastic UL94V1                                |
| -Material contacts         | Copper alloy                                        |
| -Finishing contact surface | Gold over nickel Lead Free                          |
| -Finishing termination     | Lead-Free                                           |
| -Shock                     | ≤30mΩ according to DIN 41640 Teil 14 test 6c        |
| -Vibration                 | 10-2000Hz/20g according to DIN 41640 Teil 15        |

## ENVIRONMENTAL DATA

|                    |                                  |
|--------------------|----------------------------------|
| -Climatic category | According to DIN 41612 - class 1 |
| -Corrosion         | According to DIN 41612 - class 1 |

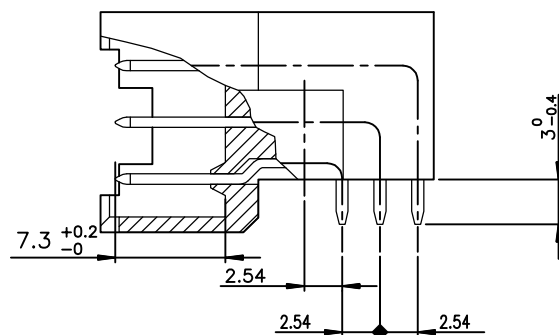
ALL CONTACTS ARE IN ADVANCED POSITION  
PERFORMANCES AS PER DIN 41612 STYLE F CLASS 1

## NOTE RoHS INFORMATION

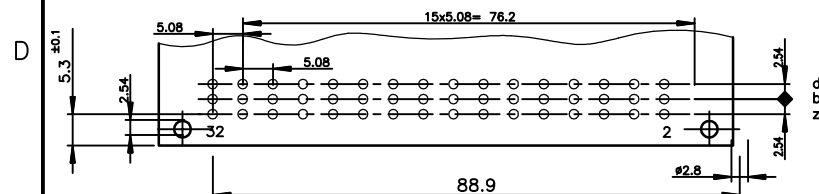
- The "LF" products meet European Union Directives and other country regulations as described in GS-22-008.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board.
- For the right angled versions, like the current leaded versions, it's recommended to use high temperature adhesive or metallic device, to protect the nearest plastic part in contact with of the solder wave, to avoid any visual plastic deterioration.

LEAD-FREE PART-NUMBER  
5159009486394AAKLF

# TERMINATION



# P.C. CARD DRILLING



| rev | ecn no    | dr  | date       |
|-----|-----------|-----|------------|
| B   | LS06-0022 | LGO | 2006/02/21 |
| C   | LS06-0095 | LGO | 2006/06/26 |
| D   | LS07-0288 | LGO | 2007/11/19 |
| E   | F10-0214  | APA | 2010/10/01 |
| F   | F12-0053  | APA | 2012/05/07 |
| -   | -         | -   | -          |
| -   | -         | -   | -          |

|                    |  |                     |                                   |                                       |            |              |              |
|--------------------|--|---------------------|-----------------------------------|---------------------------------------|------------|--------------|--------------|
| www.fciconnect.com |  | surface<br>ISO 1302 | tolerance std<br>ISO 406 ISO 1101 | projection<br>mm                      | size<br>A3 |              | Scale<br>1.5 |
| Dr PESSION         |  | 2006/02/21          |                                   | TOLERANCES UNLESS OTHERWISE SPECIFIED |            | ECN F12-0053 |              |
| Eng PESSION        |  | 2006/02/21          |                                   | ANGULAR                               | LINEAR     | 0.X          | ±0.1         |
| Chr LEGARE         |  | 2006/02/21          |                                   | 0.XX                                  | ±2         | 0.XX         | ±0.1         |
| Appr LEGARE        |  | 2006/02/21          |                                   | Product family                        |            | DIN POWER    |              |
| FCI                |  | title               |                                   | MALE CONNECTOR 3 ROW                  |            | Spec ref -   |              |
| 48 CONTACTS        |  | dwg no              |                                   | C01-5159-0051                         |            | Rev. F       |              |
| catalog no         |  | -                   |                                   | CUSTOMER                              |            | sheet 1 of 1 |              |