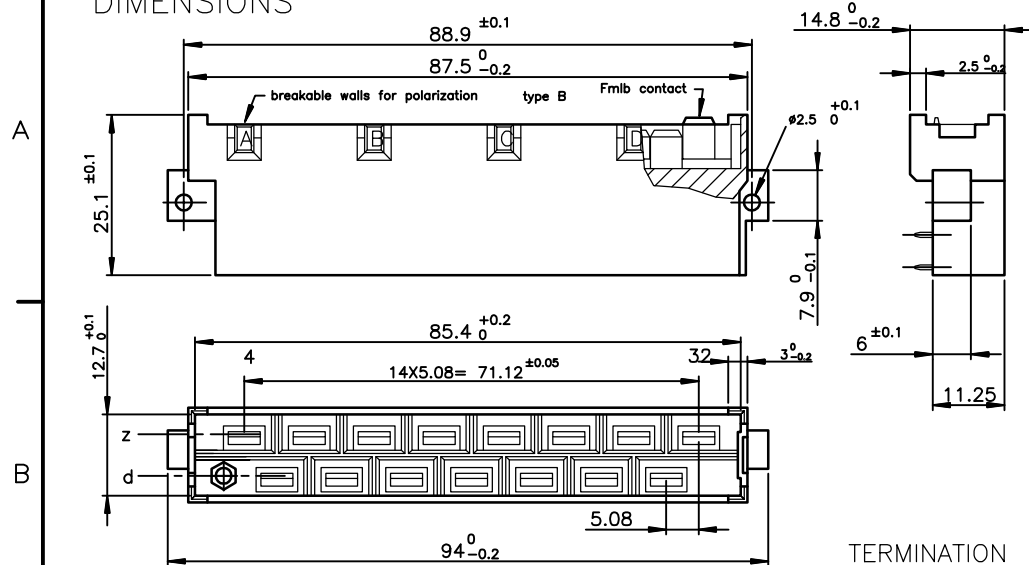
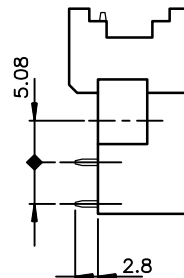


# DIMENSIONS



## TERMINATION



## ELECTRICAL DATA

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| -Current at AMB.       | 15 A at 20° / 10 A at 70°                                  |
| -Contact resistance    | ≤8mΩ according to DIN 41640 Teil 4 test 2a                 |
| -Insulation resistance | ≥10 <sup>10</sup> MΩ according to DIN 41640 teil 7 test 3a |
| -TEST VOLTAGE          | according to DIN 41640 teil 21                             |
| contact/contact        | 3100 V                                                     |
| contact/ground         | 3100 V                                                     |
| grounding pin position | Z 32                                                       |

## MECHANICAL DATA

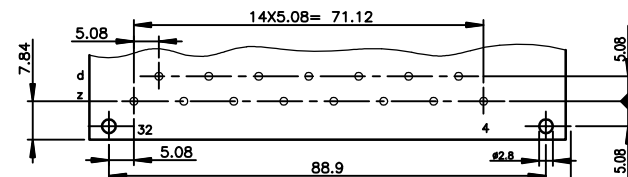
|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| -Insertion force           | ≤90N                                                |
| -Mechanical endurance      | 500 matings unmatings according to DIN41640 teil 21 |
| -Material insulator        | Polycarbonate UL94V0                                |
| -Material contacts         | Copper alloy                                        |
| -Finishing contact surface | Silver or Lead Free                                 |
| -Finishing termination     | Silver or Lead Free                                 |
| -Schock                    | ≤16mΩ 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 |

## PERFORMANCES AS PER DIN 41612 STYLE H 15 CLASS 1

## P.C. CARD DRILLING (scale 1.2)



## 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.

## European Views

|                                                        |      |     |    |    |    |
|--------------------------------------------------------|------|-----|----|----|----|
| LEAD-FREE PART-NUMBER                                  | 5159 | 029 | 15 | 23 | LF |
| STYLE H                                                |      |     |    |    |    |
| NUMBER OF CONTACTS                                     |      |     |    |    |    |
| TERMINATION<br>Angled spills                           |      |     |    |    |    |
| PLATING<br>Silver over nickel<br>Lead-free over nickel |      |     |    |    |    |
| LEAD-FREE                                              |      |     |    |    |    |

| rev | ecn no    | dr  | date       |
|-----|-----------|-----|------------|
| C   | LS05-0119 | MPE | 2005/12/13 |
| D   | LS06-0022 | LGO | 2006/02/21 |
| E   | LS06-0095 | LGO | 2006/06/26 |
| F   | LS07-0172 | LGO | 2007/06/18 |
| G   | LS07-0288 | LGO | 2007/11/19 |
| H   | F10-0214  | APA | 2010/10/01 |
| J   | F12-0053  | APA | 2012/05/07 |

|                                              |            |                     |                                               |                  |
|----------------------------------------------|------------|---------------------|-----------------------------------------------|------------------|
| www.fciconnect.com                           |            | surface<br>ISO 1302 | tolerance std<br>ISO 406 ISO 110              | projection<br>mm |
| TOLERANCES UNLESS OTHERWISE SPECIFIED        |            | ANGULAR<br>0.XX ±2° | LINEAR<br>0.X ±0.1<br>0.XX ±0.1<br>0.XXX ±0.1 | size<br>A3       |
| Dr                                           | L.GOISNARD | 2005/12/13          | ECN F12-0053                                  |                  |
| Eng                                          | L.GOISNARD | 2005/12/13          | Scale 2                                       |                  |
| Chr                                          | P.LEGARE   | 2005/12/13          | Spec ref -                                    |                  |
| Appr                                         | P.LEGARE   | 2005/12/13          | Product family DIN POWER                      |                  |
| title<br>MALE CONNECTOR 2 ROW<br>15 CONTACTS |            |                     | dwg no<br>C01-5159-0017                       | Rev.<br>J        |
| catalog no                                   |            |                     | CUSTOMER                                      | sheet 1 of 1     |