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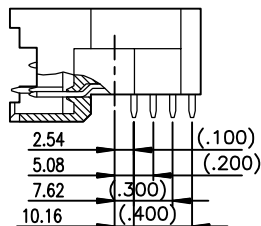
B

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|                           |                                   |     |   |    |   |    |    |
|---------------------------|-----------------------------------|-----|---|----|---|----|----|
| LEAD-FREE PART-NUMBER     | 5159                              | 002 | 3 | 25 | 4 | 11 | 1F |
| MIXED STYLE               | F24/H7                            |     |   |    |   |    |    |
| NUMBER OF CONTACTS        |                                   |     |   |    |   |    |    |
| TERMINATION               | 24 angled spills 4 row + 7 foston |     |   |    |   |    |    |
| PERFORMANCE CLASS         |                                   |     |   |    |   |    |    |
| DIN 41612 class 2         |                                   |     |   |    |   |    |    |
| DIN 41612 class 1         |                                   |     |   |    |   |    |    |
| CONTACT TERMINATION       |                                   |     |   |    |   |    |    |
| Angled spills 2.54 X 5.08 |                                   |     |   |    |   |    |    |
| LEAD-FREE                 |                                   |     |   |    |   |    |    |

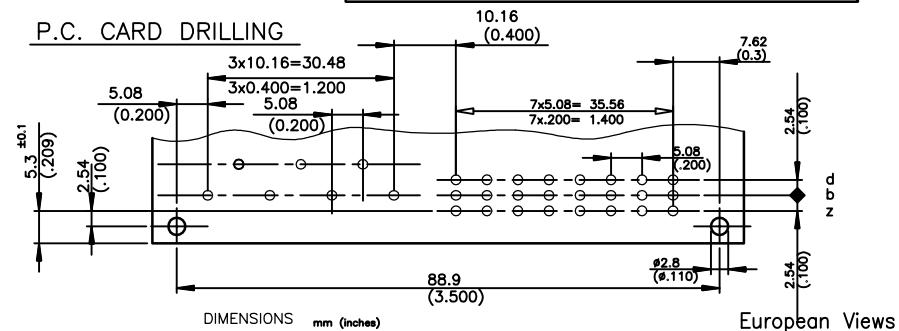
REV F - 2006-04-17

## TERMINATION



| rev | ecn no    | dr  | date       |
|-----|-----------|-----|------------|
| H   | F12-0053  | APA | 2012/05/07 |
| -   | -         | -   | -          |
| C   | LS05-0119 | -   | 2005/12/13 |
| D   | LS05-0119 | LGO | 2006/02/21 |
| E   | LS06-0097 | LGO | 2006/02/26 |
| F   | LS07-0288 | LGO | 2007/11/19 |
| G   | F10-0214  | APA | 2010/10/01 |

## P.C. CARD DRILLING



|                    |         |                                       |                               |            |          |
|--------------------|---------|---------------------------------------|-------------------------------|------------|----------|
| www.fciconnect.com |         | surface                               | tolerance std                 | projection | mm       |
|                    |         | ISO 1302                              | ISO 406 ISO 1101              |            |          |
|                    |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |                               |            |          |
| Dr                 | MPESSON | 2006/02/21                            | ANGULAR                       | 0.X        | ±0.1     |
| Eng                | MPESSON | 2006/02/21                            | LINEAR                        | 0.XX       | ±0.1     |
| Chr                | LEGARE  | 2006/02/21                            | 0.XX ±2'                      | 0.XXX      | ±0.1     |
| Appr               | LEGARE  | 2006/02/21                            | Product family DIN POWER 5159 |            |          |
| title              |         | PLUGS-MEDIUM HIGHT POWER              |                               | size       | A3       |
| catalog no         |         | -                                     |                               | ECN        | F12-0053 |
| dwg no             |         | C01-5159-0041                         |                               | Spec ref   | -        |
| Rev.               |         | H                                     |                               | sheet      | 1 of 1   |

## 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 MΩ according to DIN 41640 teil 7 test 3a |
| -TEST VOLTAGE          | according to DIN 41640 teil 21               |
| contact/contact        | 1550V eff                                    |
| contact/ground         | 1550V eff                                    |

## MECHANICAL DATA

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| -Insertion force      | ≤60N                                                         |
| -Mechanical endurance | -class 1 500 matings unmatings according to DIN41640 teil 21 |
|                       | -class 2 400 matings unmatings according to DIN41640 teil 21 |

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| -Material insulator    | Polyester UL94V0                                            |
| -Material contacts     | Copper alloy                                                |
| -Medium power contact: | Gold over nickel on contact area, lead-free on termination. |
| -High power contact:   | Silver over nickel on active and on termination area        |

|            |                                                       |
|------------|-------------------------------------------------------|
| -Schock    | ≤40mΩ according to DIN 41640 Teil 14 test 6c          |
| -Vibration | -class 1 10-2000Hz/20g according to DIN 41640 Teil 15 |
|            | -class 2 10-500Hz/5g according to DIN 41640 Teil 15   |

## ENVIRONMENTAL DATA

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

## 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.

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