

BASIC PART NUMBER: 83808- X X X X X X X

CARD TYPE: I

CARD TYPE: II

I/O: CLOSED WITH GROUND CONTACT

I/O: 1 CONNECTOR

I/O: 2 CONNECTORS

LABEL RECESS: NO

LABEL RECESS: YES

INSULATOR: NO

INSULATOR: YES

CARDBUS: NO

CARDBUS: YES

PACKAGING: 1000Pcs/BOX

PACKAGING: 200Pcs/BOX

ALL PART NUMBER: RoHS COMPLIANT  
SPECIFICATION83808-XXXXXX IS SIMILAR TO 83808-XXXXXXLF, THE SUFFIX "LF" IS ADDED  
FOR LEAD FREE IDENTIFICATIONTHIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY  
REGULATIONS AS PER GS-22-008. PACKAGING SPECIFICATION GS-14-920

## PROPERTIES:

CARD SHIELD: STAINLESS STEEL, THICKNESS 0.2mm  
SURFACE FINISH: MATTE

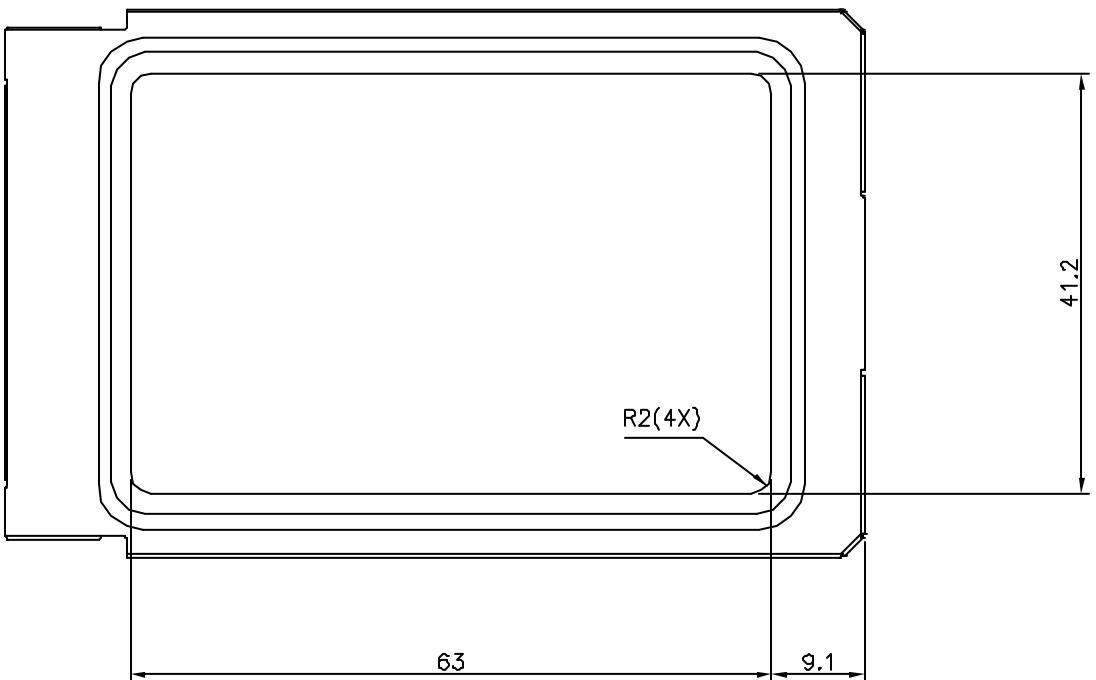
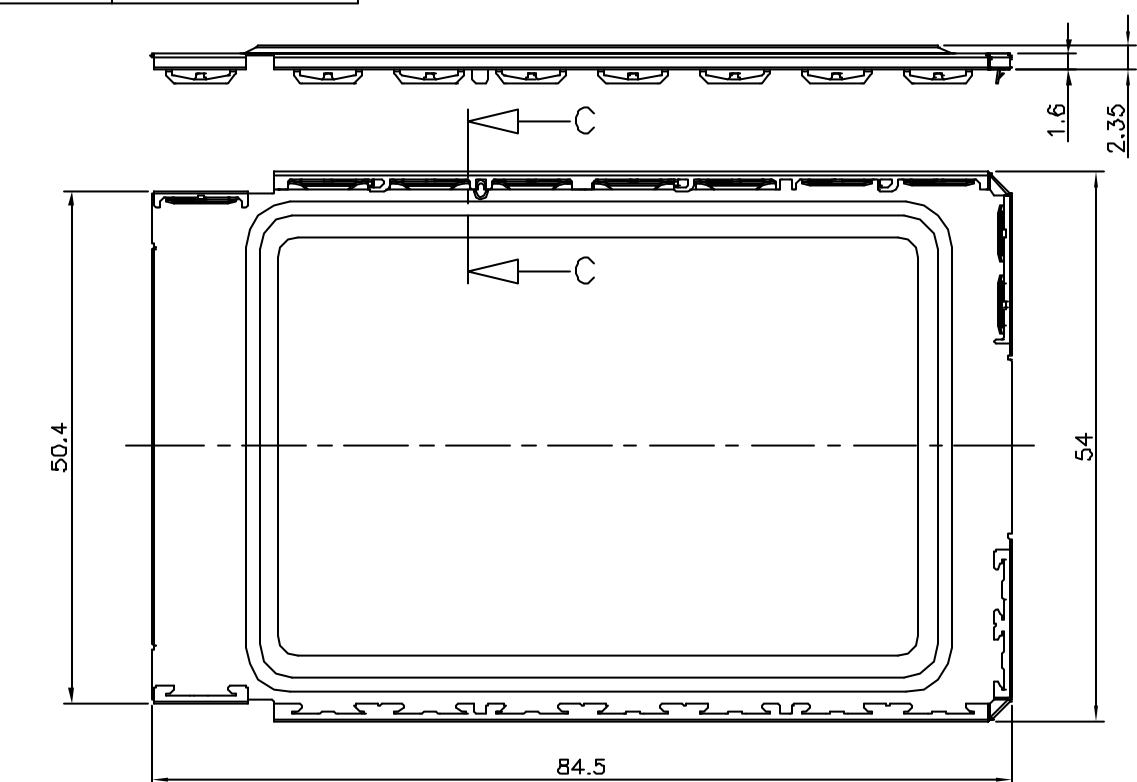
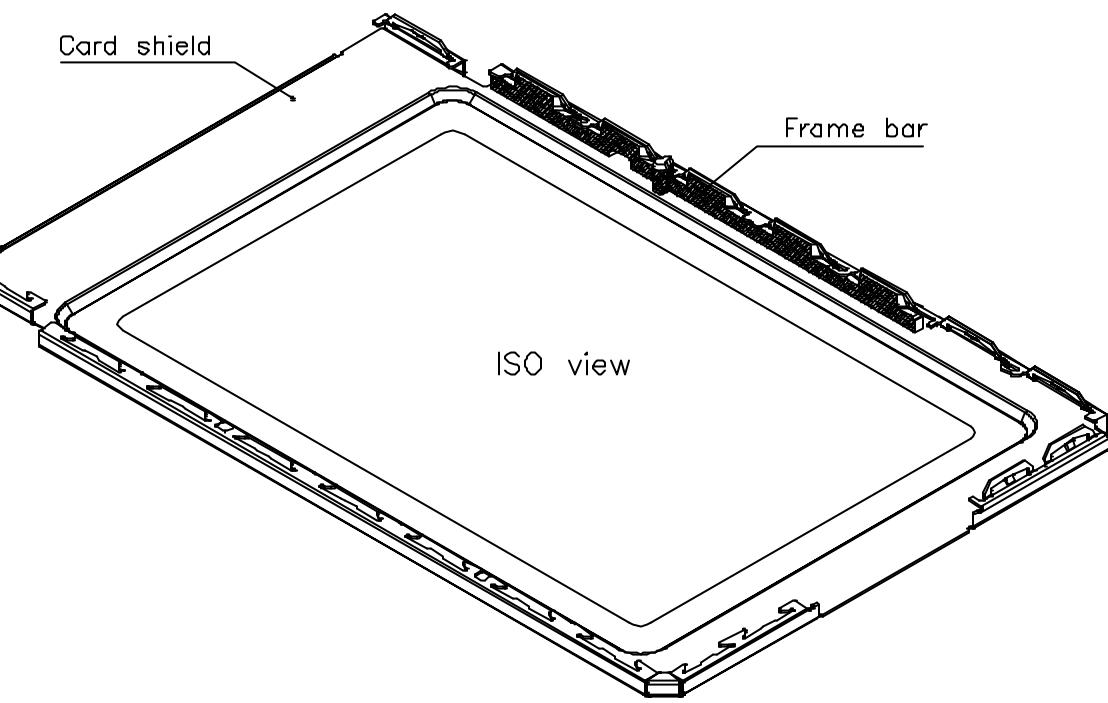
FRAME BAR: PPO, COLOR BLACK, UL94V-0

INSULATOR: DIELECTRIC STRENGTH 2500V

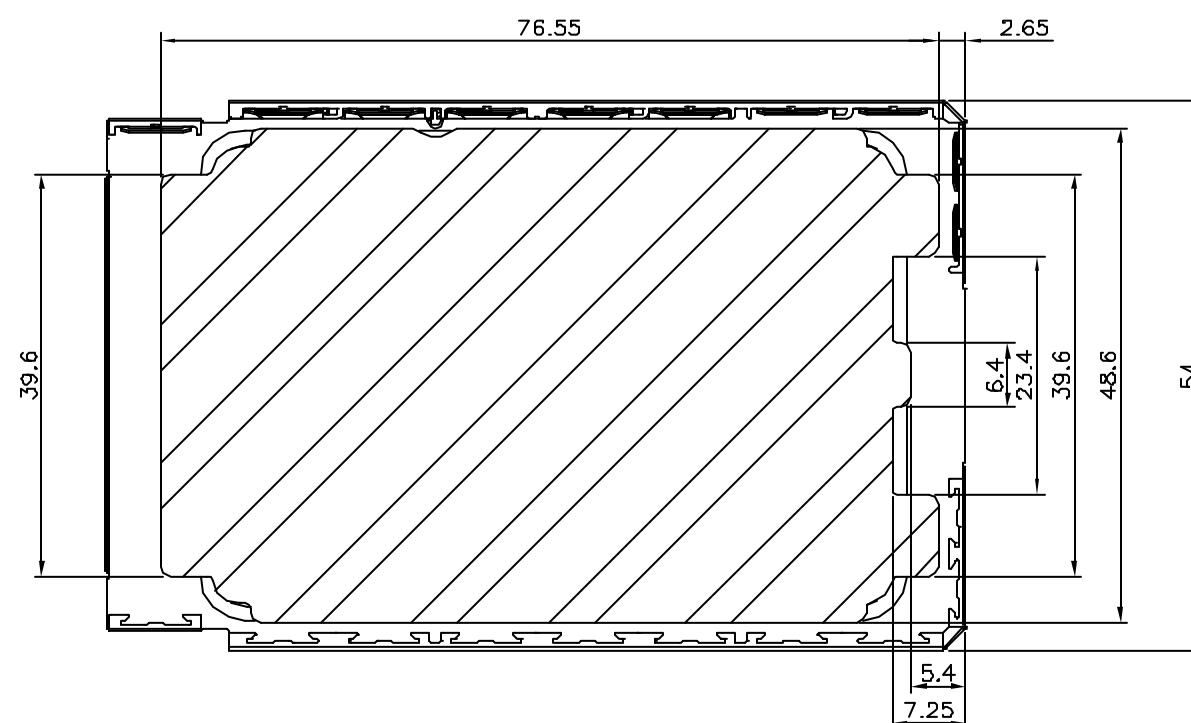
| mat'l. code |          |          |          | surface                               | tolerance | projection       | product family |  |  |
|-------------|----------|----------|----------|---------------------------------------|-----------|------------------|----------------|--|--|
| ltr         | ecn no   | dr       | date     | ISO 1302                              | ✓         | ISO 406 ISO 1101 | PCMCIA         |  |  |
| H           | F10514   | DLE      | 01.09.07 | tolerances unless otherwise specified |           | mm               | title          |  |  |
| J           | F05-0254 | DLE      | 05.09.26 |                                       |           |                  |                |  |  |
| K           | F06-0138 | DLE      | 06.02.27 | angles                                |           | scale 1:1        | ROCARD SHIELD  |  |  |
| L           | F06-0138 | DLE      | 06.02.27 |                                       |           |                  |                |  |  |
| M           | F06-0248 | DLE      | 06.07.28 | engr                                  | F HAUTIER | 99.04.29         | dwg no         |  |  |
|             |          |          |          | chr                                   | D LEGRAND | 99.04.29         |                |  |  |
| G           | F00439   | DLE      | 00.06.19 | appd                                  | F HAUTIER | 99.04.29         | sheet 1 of 10  |  |  |
|             |          |          |          |                                       |           |                  |                |  |  |
| sheet       |          | revision | M G      | G G G G                               | F F       | F F              | size           |  |  |
| index       |          | sheet    | 1 2      | 3 4 5 6                               | 7 8       | 9 10             |                |  |  |

|                |           |              |
|----------------|-----------|--------------|
| Product number | Insulator | Label recess |
| 83808-21000LF  | no        | no           |
| 83808-21010LF  | yes       | no           |
| 83808-21100LF  | no        | yes          |
| 83808-21110LF  | yes       | yes          |

|                |                        |
|----------------|------------------------|
| Product number | Packaging              |
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxSLF | 200 Rocard Shield/Box  |



Version: Label recess  
(maximum label thickness 0.07 mm)



Version: Insulator  
(thickness 0.07 mm)

| mat'l code |          |     | surface  | tolerance | projection                           | product family   |
|------------|----------|-----|----------|-----------|--------------------------------------|------------------|
| ltr        | ecn      | nr  | dr       | date      | ISO 1302 ✓                           | ISO 466 ISO 1101 |
| A          | HB0049   | GCA | 08.02.12 |           | tolerance unless otherwise specified |                  |
| B          | F80195   | GCA | 08.04.08 |           | angles                               | mm               |
| C          | F90323   | DLE | 09.05.04 |           | linear                               | scale 2:1        |
| D          | F10514   | DLE | 01.09.07 | dr        | H VEREJKEN                           | 08.02.12         |
| E          | F05-0254 | DLE | 05.09.26 | engr      | F HAUTIER                            | 99.05.04         |
| F          | F08-0138 | DLE | 06.02.27 | chr       | D LEGRAND                            | 99.05.04         |
| G          | F05-0248 | DLE | 06.07.28 | appd      | F HAUTIER                            | 99.05.04         |
|            |          |     |          |           |                                      |                  |
| sheet      | revision |     |          |           |                                      |                  |
| index      | sheet    |     |          |           |                                      |                  |

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| Product number | Insulator | Label recess |
|----------------|-----------|--------------|
| 83808-22000LF  | no        | no           |
| 83808-22010LF  | yes       | no           |
| 83808-22100LF  | no        | yes          |
| 83808-22110LF  | yes       | yes          |

| Product number | Packaging              |
|----------------|------------------------|
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxSLF | 200 Rocard Shield/Box  |

Section C-C  
Scale 10:1

Scale 10

This technical drawing illustrates a rectangular component with a central cavity. The overall width is marked as 84.5. The left side features a vertical dimension of 50.4. The top rail is defined by a width of 2.35 and a height of 1.6. Two triangular callout symbols point to the top rail, indicating specific features or dimensions. The bottom edge of the component is marked with a series of small, alternating notches.

This technical drawing illustrates a card shield and frame bar assembly. The main component is a rectangular frame bar, shown in an ISO view. A card shield is positioned within the frame bar, with its top edge resting on the frame bar's top edge. The card shield is secured to the frame bar by four small clips, one at each corner. The frame bar features a central rectangular cutout, which is also labeled 'ISO view'. On the left side of the frame bar, there is a vertical dimension line indicating a height of 18.06. On the far left, a separate vertical dimension line shows a total height of 8.94, which is composed of two segments: 18.06 at the top and 18.06 at the bottom. Labels with leader lines identify the 'Card shield' and the 'Frame bar'. The drawing is rendered in black and white, using lines and text to provide precise measurements and component identification.

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9.1

R2(4X)

412

Version: Label recess

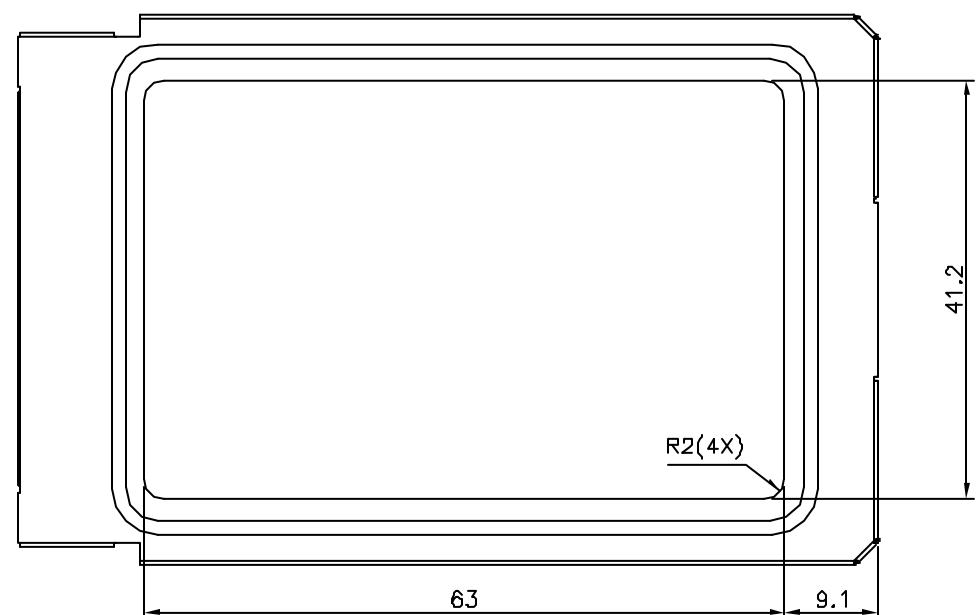
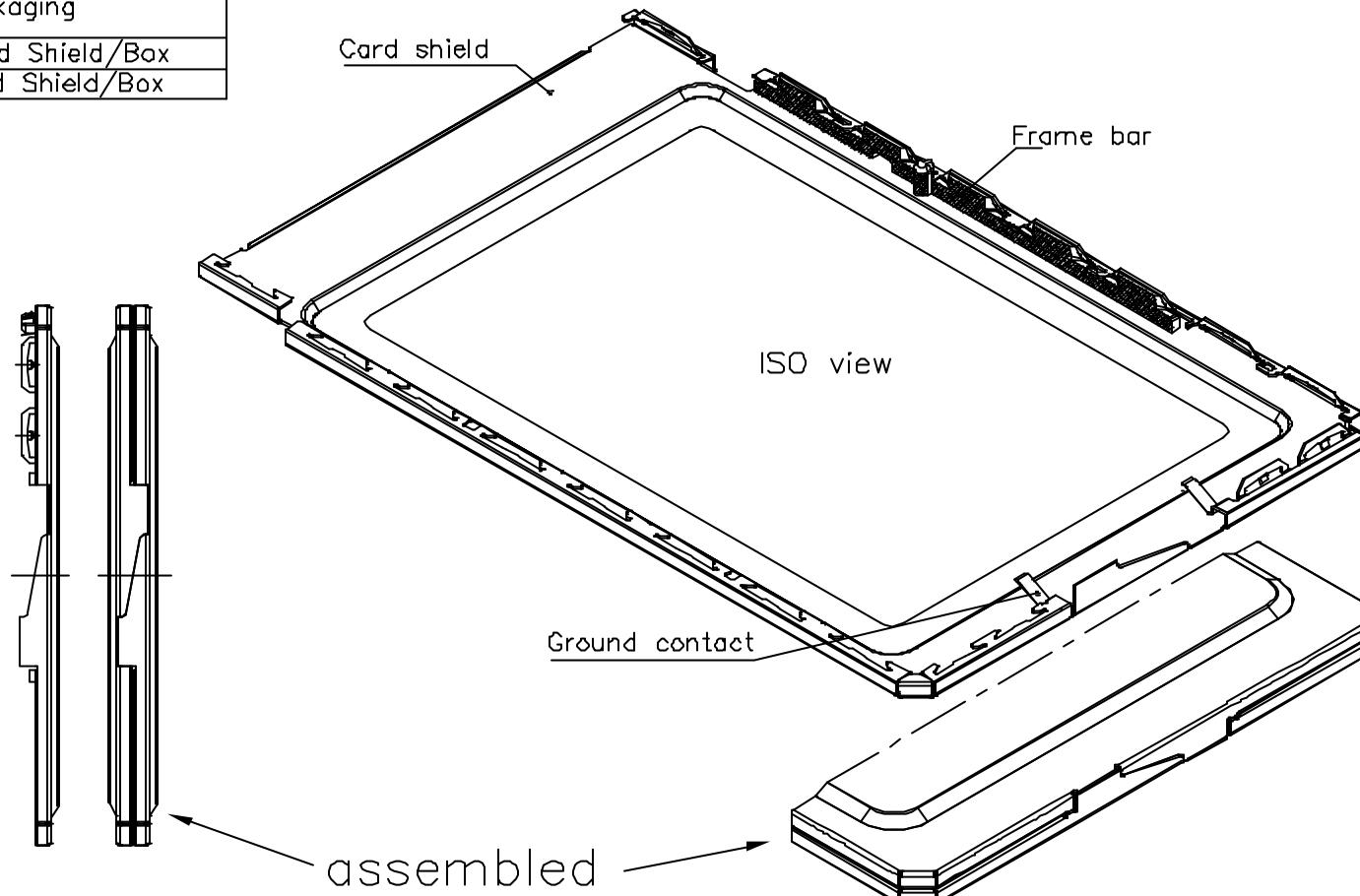
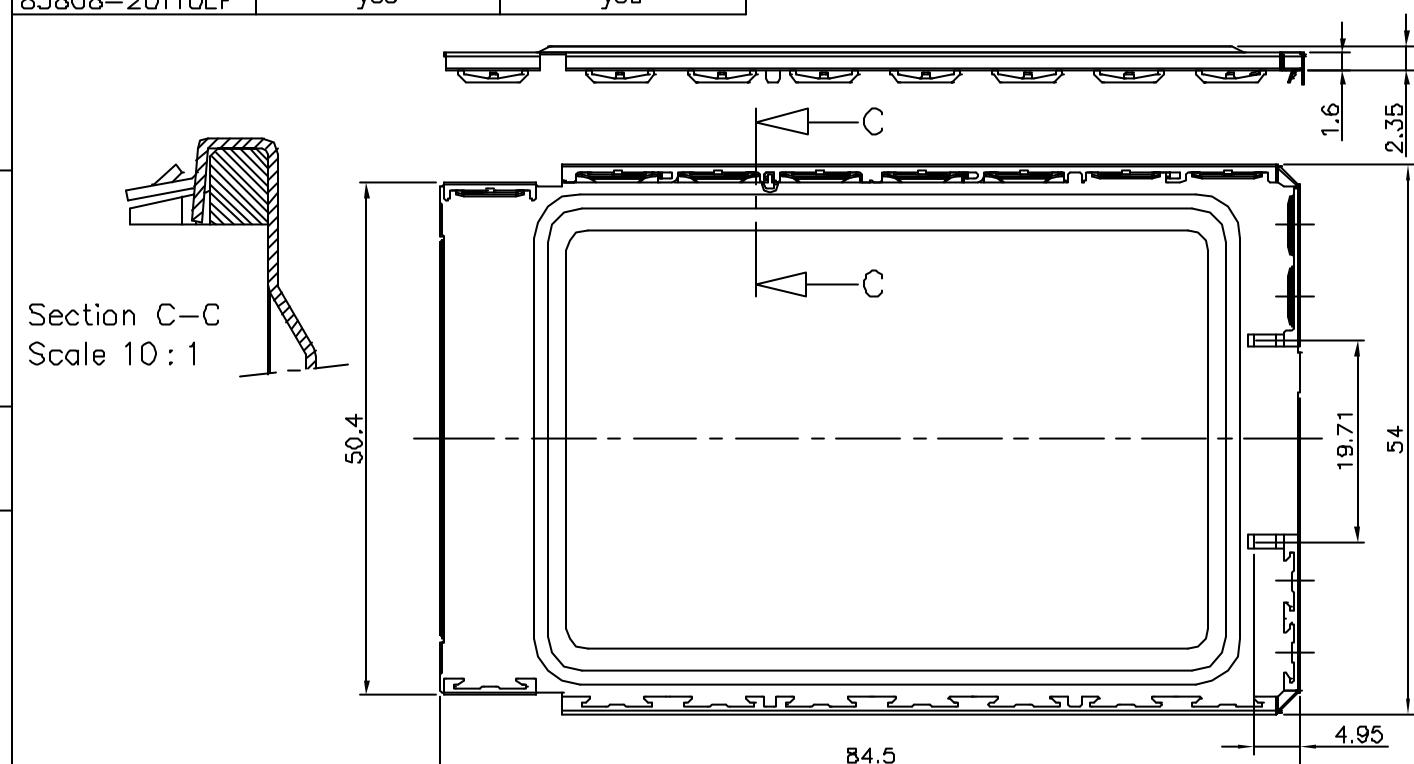
(maximum label thickness 0.07 mm)

Version: Insulator  
(thickness 0.07 mm)

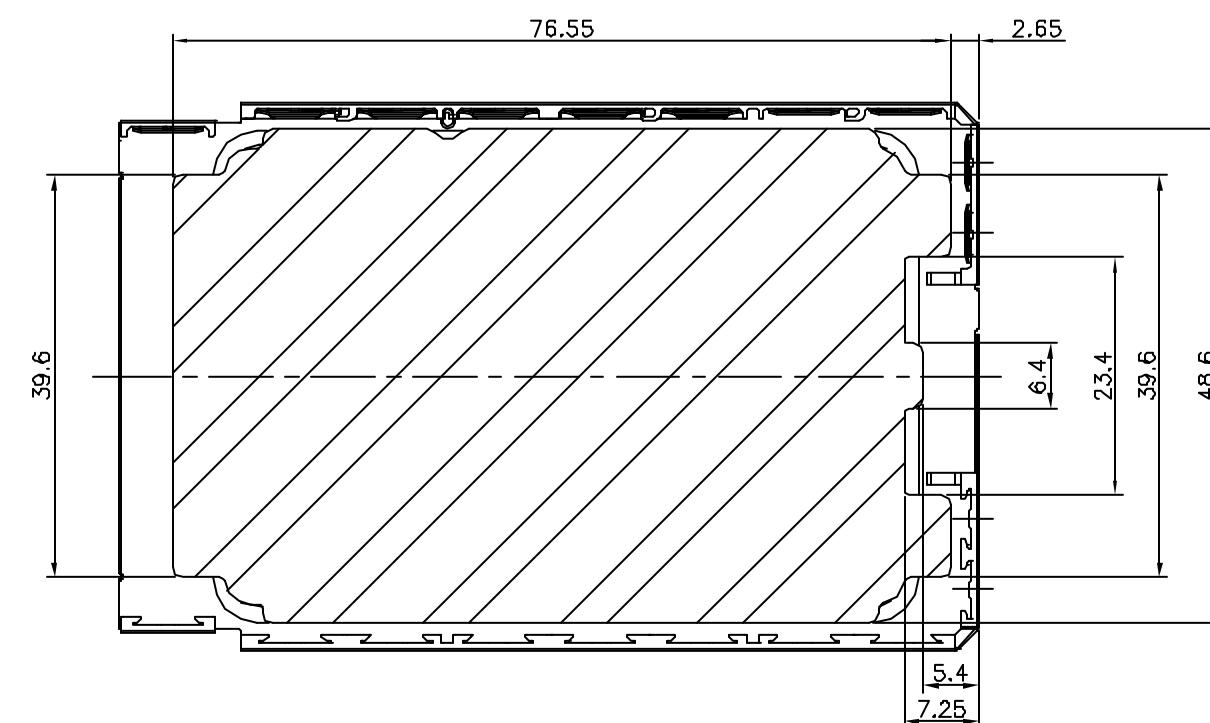
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|------------|----------|-----|----------|---------------------------------------|------------------|------------|----------------|--------------|------------------|---|
| mat'l code |          |     |          | surface                               | tolerance        | projection | product family |              |                  |   |
|            |          |     |          | ISO 1302                              | ISO 416 ISO 1101 |            | PCMCIA         |              |                  |   |
| ltr        | ecn no   | dr  | date     | tolerances unless otherwise specified |                  |            | title          |              |                  |   |
| A          | HB0049   | GCA | 98.02.12 | angles                                | linear           | mm         |                |              |                  |   |
| B          | FB0195   | GCA | 98.04.08 |                                       |                  |            | scale 2:1      |              |                  |   |
| C          | F90323   | DLE | 98.05.04 |                                       |                  |            |                |              |                  |   |
| D          | F10514   | DLE | 01.06.07 | dr                                    | H VEREJKEN       | 98.02.12   | dwg no         | sheet 3 of - | size             |   |
| E          | F05-0254 | DLE | 05.09.26 | engr                                  | F HAUTIER        | 99.05.04   |                |              |                  |   |
| F          | F05-0138 | DLE | 06.02.27 | chr                                   | D LEGRAND        | 99.05.04   |                | 83808        | Az               |   |
| G          | F05-0248 | DLE | 06.07.28 | appd                                  | F HAUTIER        | 99.05.04   |                |              |                  |   |
| sheet      | revision |     |          |                                       |                  |            |                | type         | CUSTOMER Drawing |   |
| index      | sheet    |     |          |                                       |                  |            |                |              |                  |   |
|            |          | 6   |          |                                       | 7                |            |                |              |                  | 8 |

|               |                |           |              |   |
|---------------|----------------|-----------|--------------|---|
| 1             | Product number | Insulator | Label recess | 2 |
| 83808-20000LF | no             | no        |              |   |
| 83808-20010LF | yes            | no        |              |   |
| 83808-20100LF | no             | yes       |              |   |
| 83808-20110LF | yes            | yes       |              |   |

|   |   |                |                        |   |
|---|---|----------------|------------------------|---|
| 3 | 4 | Product number | Packaging              | 5 |
|   |   | 83808-xxxxxLF  | 1000 Rocard Shield/Box | 5 |
|   |   | 83808-xxxxxSLF | 200 Rocard Shield/Box  | 5 |



Version: Label recess  
(maximum label thickness 0.07 mm)



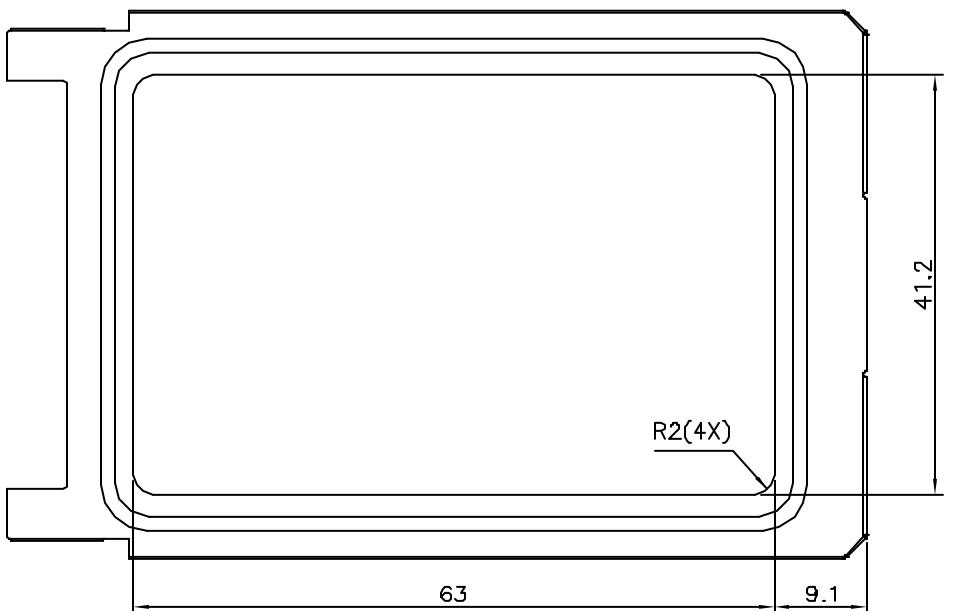
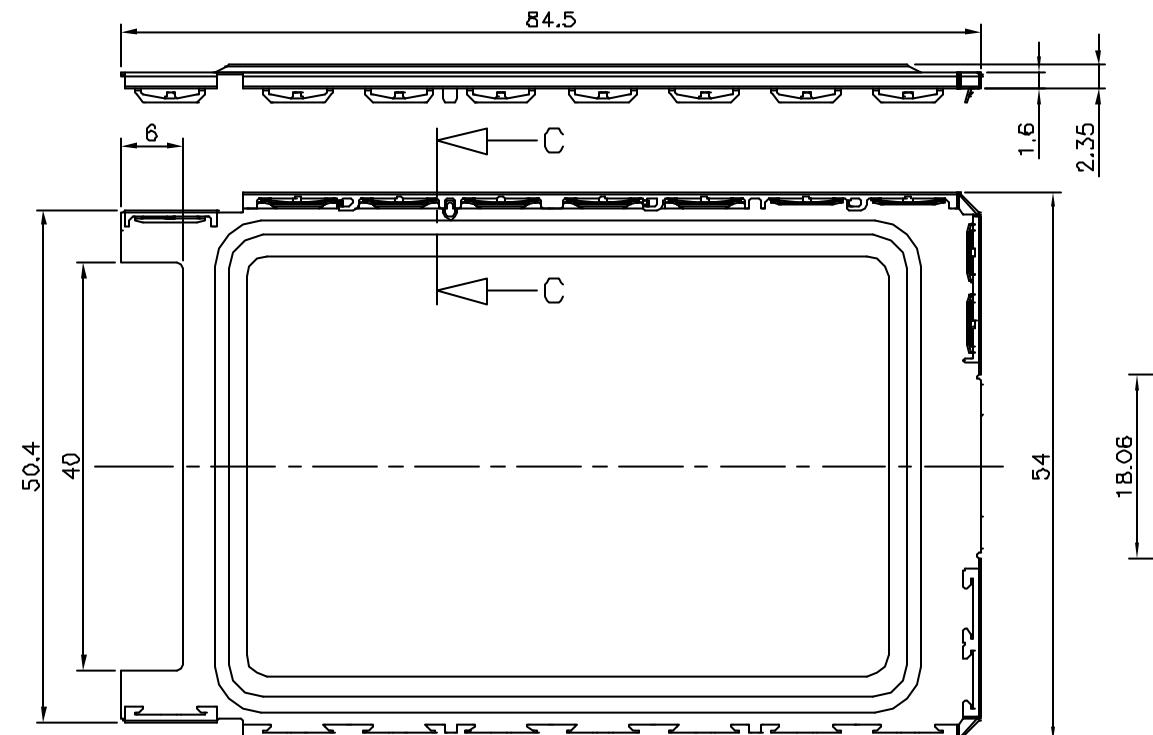
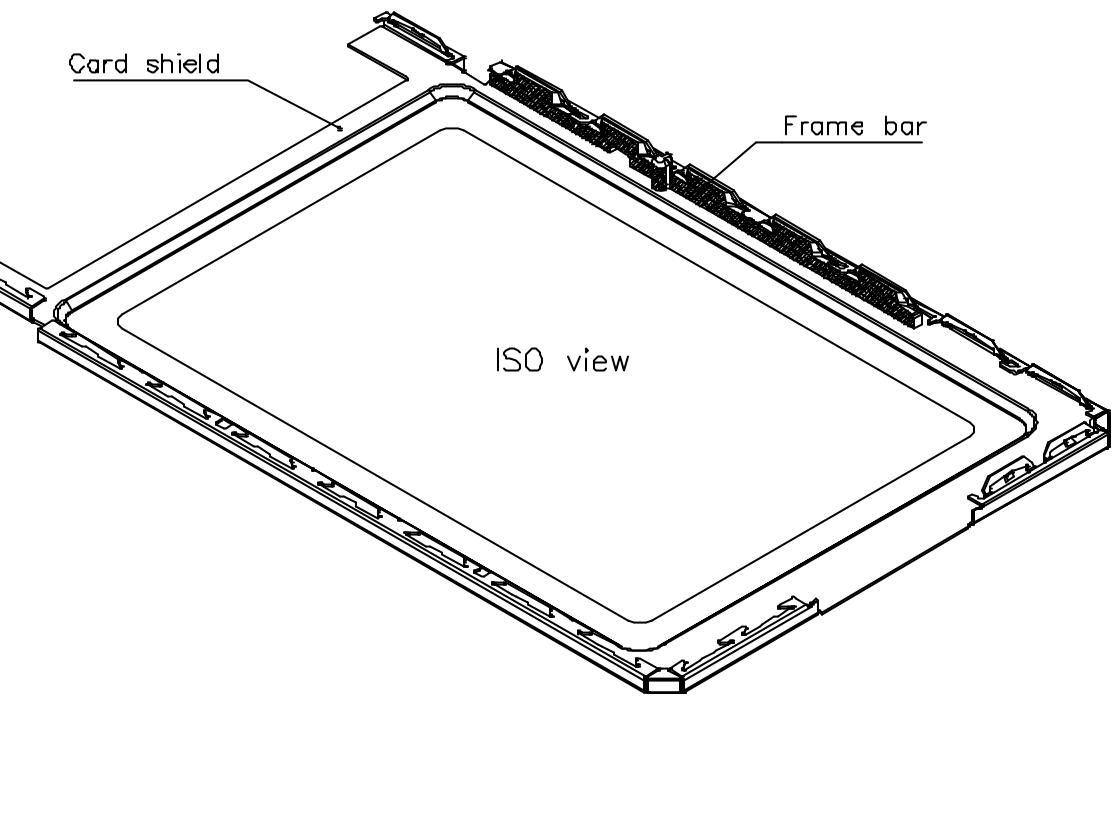
Version: Insulator  
(thickness 0.07 mm)

| mat'l code |          |     | surface  | tolerance                            | projection       | product family      |
|------------|----------|-----|----------|--------------------------------------|------------------|---------------------|
|            |          |     | ISO 1302 | ✓                                    | ISO 466 ISO 1101 | PCMCIA              |
| A          | HB0049   | GCA | 98.02.12 | tolerance unless otherwise specified | mm               | title               |
| B          | F80195   | GCA | 98.04.08 | angles                               | scale 2:1        | ROCARD SHIELD       |
| C          | F90323   | DLE | 99.05.04 | linear                               |                  | TYPE II, CLOSED END |
| D          | F10514   | DLE | 91.09.07 | dr H VEREJKEN                        | dwg no           |                     |
| E          | F05-0254 | DLE | 05.09.26 | engr F HAUTIER                       | sheet 4 of -     | 83808               |
| F          | F08-0138 | DLE | 06.02.27 | chr D LEGRAND                        | size             | Az                  |
| G          | F05-0248 | DLE | 06.07.28 | appd F HAUTIER                       | type             | CUSTOMER Drawing    |
|            |          |     |          |                                      |                  |                     |
| sheet      | revision |     |          |                                      |                  |                     |
| index      | sheet    |     |          |                                      |                  |                     |

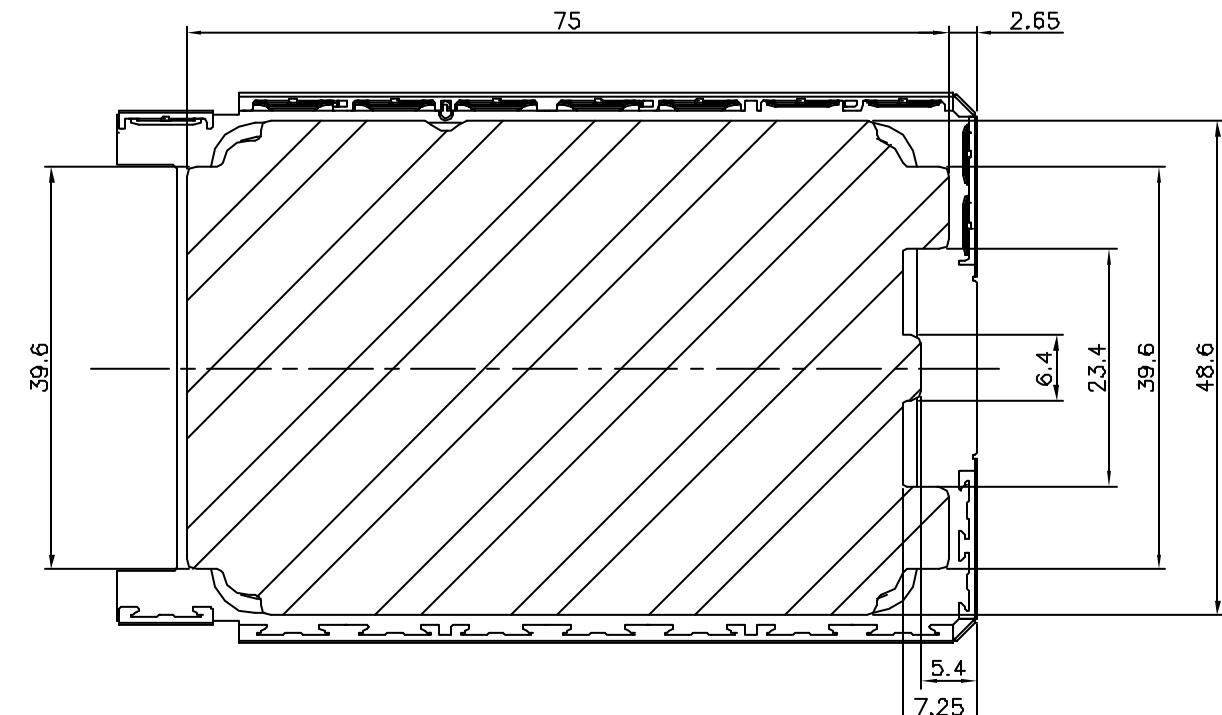


|                |           |              |
|----------------|-----------|--------------|
| Product number | Insulator | Label recess |
| 83808-21001LF  | no        | no           |
| 83808-21011LF  | yes       | no           |
| 83808-21101LF  | no        | yes          |
| 83808-21111LF  | yes       | yes          |

|                |                        |
|----------------|------------------------|
| Product number | Packaging              |
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxSLF | 200 Rocard Shield/Box  |



Version: Label recess  
(maximum label thickness 0.07 mm)



Version: Insulator  
(thickness 0.07 mm)

| mat'l code |          |     | surface  | tolerance | projection                           | product family   | title |
|------------|----------|-----|----------|-----------|--------------------------------------|------------------|-------|
| ltr        | ecn      | no  | dr       | date      | ISO 1302 ✓                           | ISO 466 ISO 1101 |       |
| A          | HB0049   | GCA | 98.02.12 |           | tolerance unless otherwise specified |                  |       |
| B          | F80195   | GCA | 98.04.08 |           | angles                               | linear           |       |
| C          | F90323   | DLE | 99.05.04 |           |                                      |                  |       |
| D          | F10514   | DLE | 91.09.07 | dr        | H VEREJKEN                           | 98.02.12         |       |
| E          | F05-0254 | DLE | 05.09.26 | engr      | F HAUTIER                            | 99.05.04         |       |
| F          | F06-0138 | DLE | 06.02.27 | chr       | D LEGRAND                            | 99.05.04         |       |
| G          | F06-0248 | DLE | 06.07.28 | appd      | F HAUTIER                            | 99.05.04         |       |
|            |          |     |          |           |                                      |                  |       |
| sheet      | revision |     |          |           |                                      |                  |       |
| index      | sheet    |     |          |           |                                      |                  |       |

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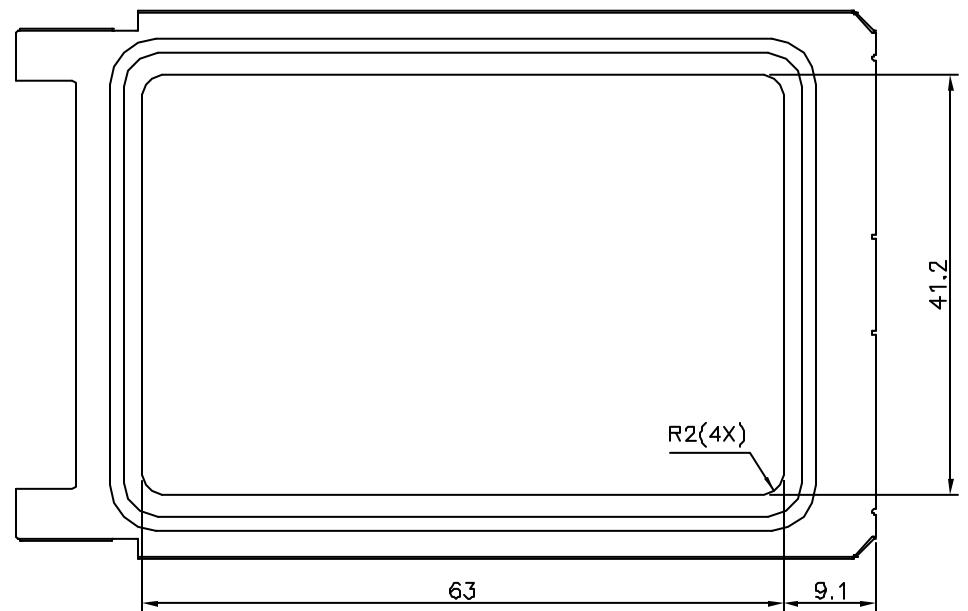
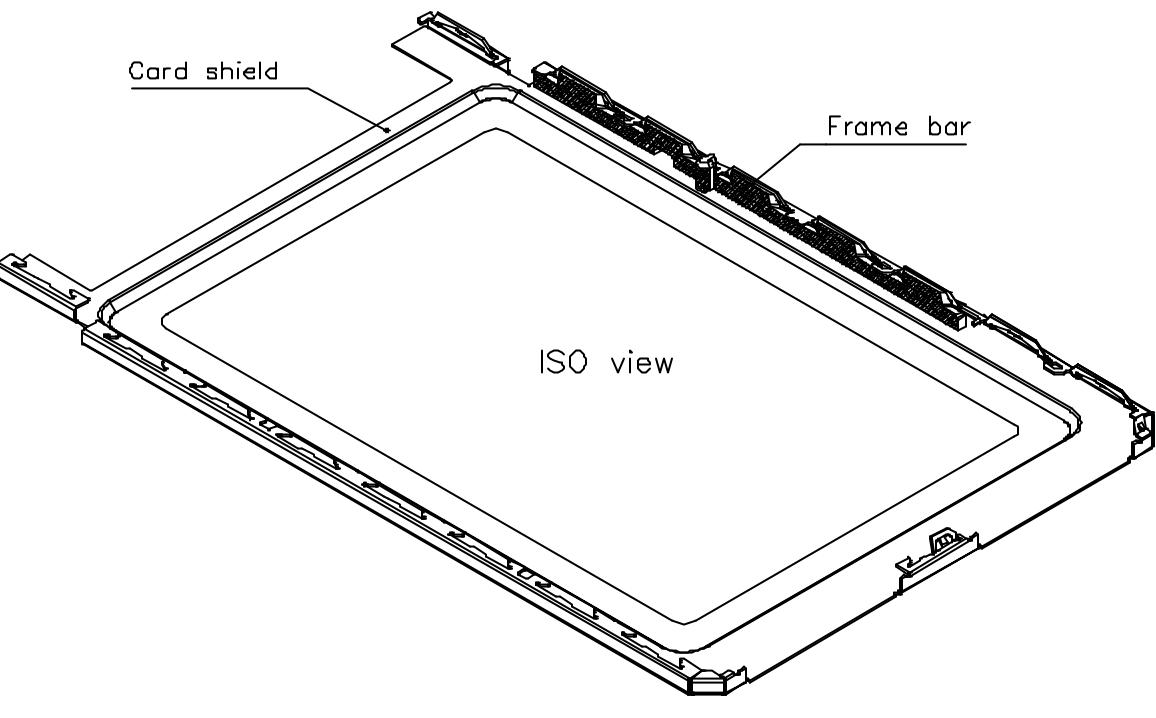
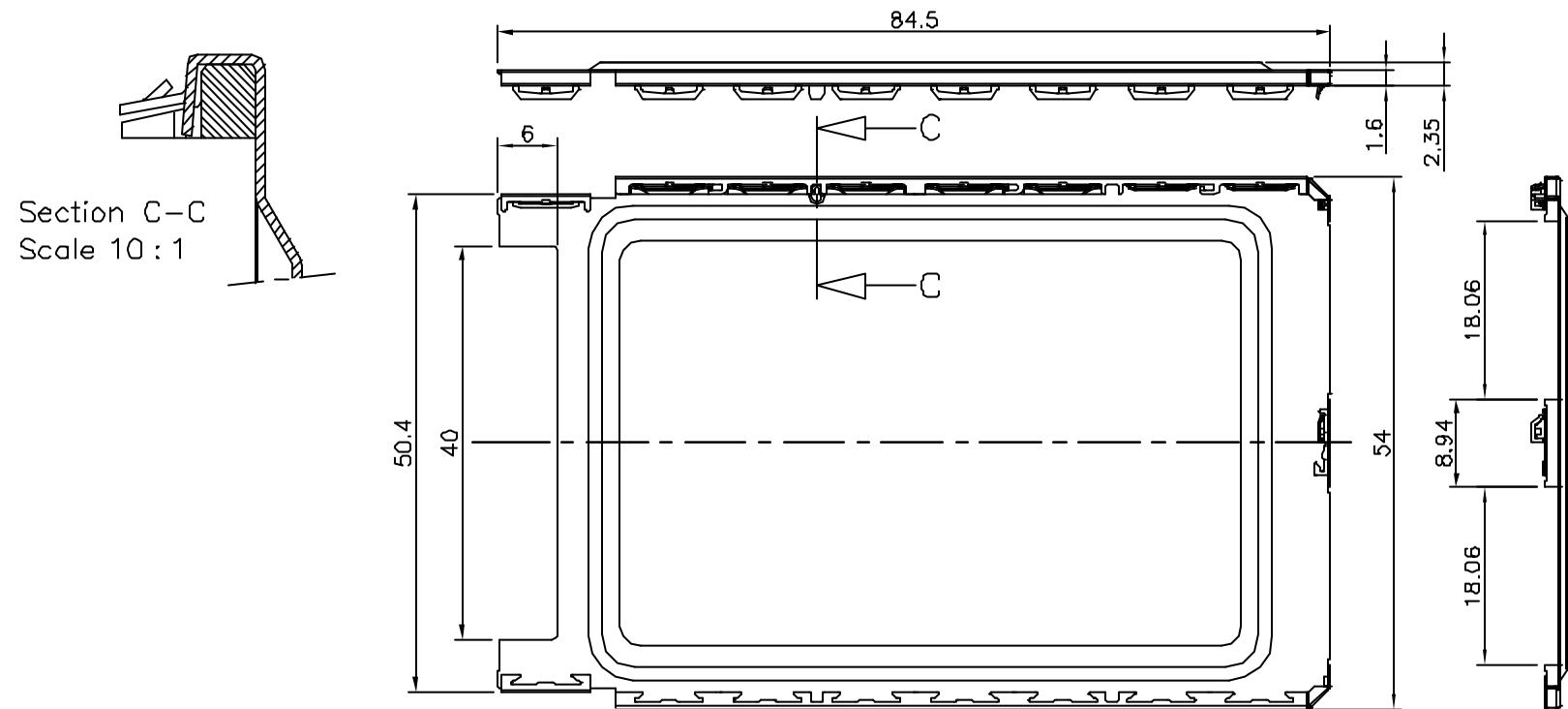
dwg no sheet 5 of - size  
83808 A2

type CUSTOMER Drawing

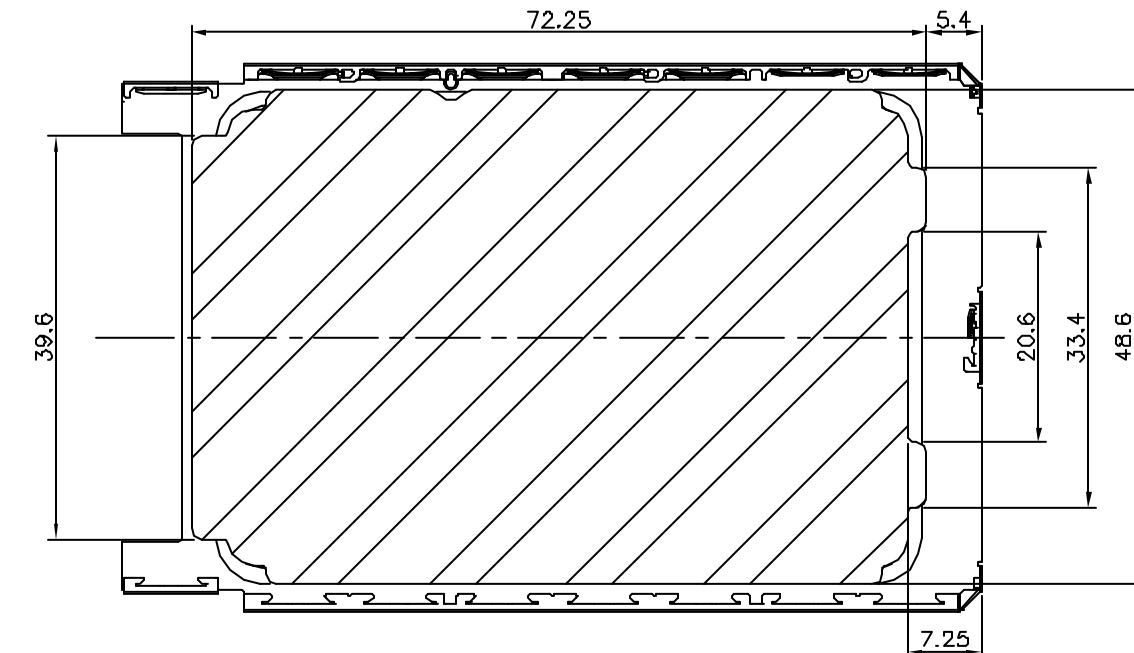
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|               |                |           |              |
|---------------|----------------|-----------|--------------|
| 1             | Product number | Insulator | Label recess |
| 83808-22001LF | no             | no        |              |
| 83808-22011LF | yes            | no        |              |
| 83808-22101LF | no             | yes       |              |
| 83808-22111LF | yes            | yes       |              |

|                |   |                |                   |
|----------------|---|----------------|-------------------|
| 3              | 4 | Product number | Packaging         |
| 83808-xxxxxLF  |   | 1000           | Rocard Shield/Box |
| 83808-xxxxxSLF |   | 200            | Rocard Shield/Box |



Version: Label recess  
(maximum label thickness 0.07 mm)



Version: Insulator  
(thickness 0.07 mm)

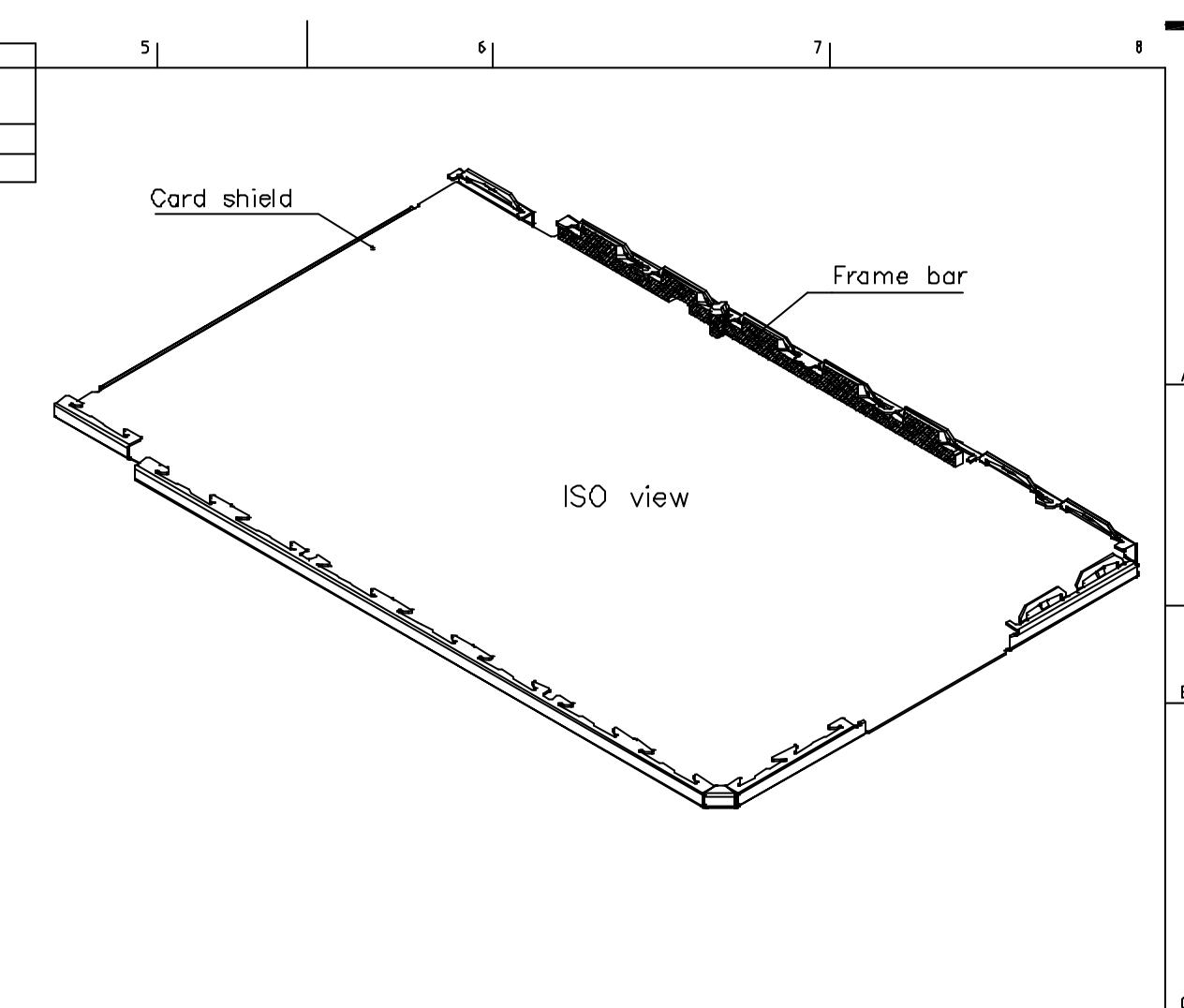
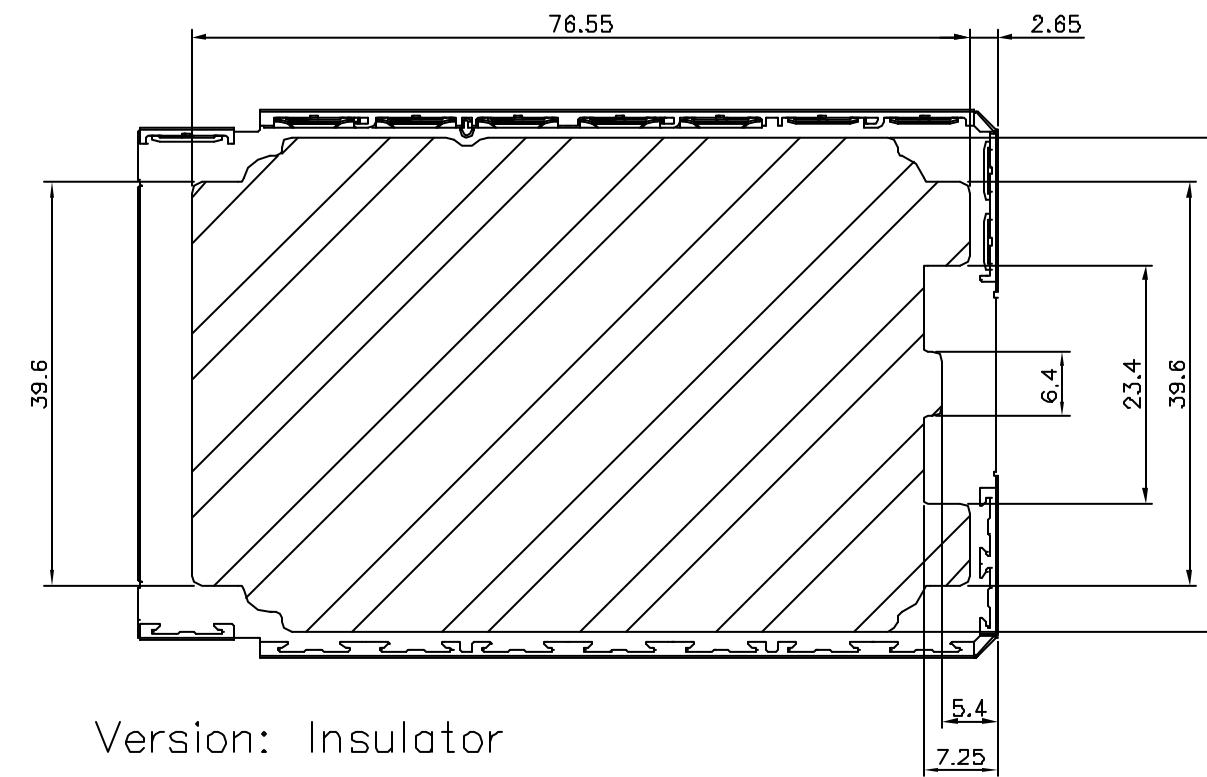
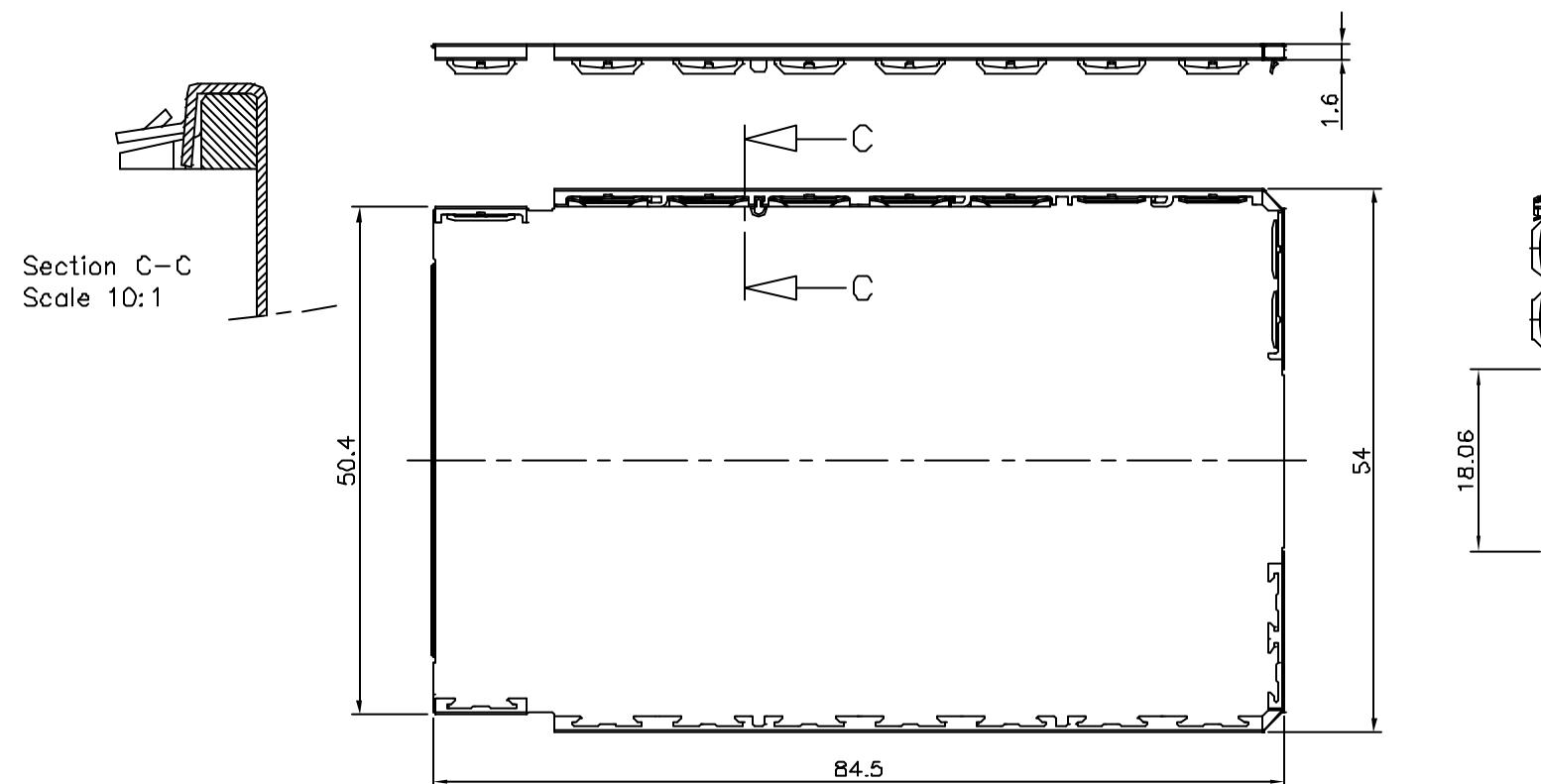
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|------------|------------|------------------|------------|--------------------------------------|
|            | ISO 1302 ✓ | ISO 416 ISO 1101 |            | PCMCIA                               |
| ltr        | ecn no     | dr               | date       | tolerance unless otherwise specified |
| A          | HB0049     | GCA              | 98.02.12   | mm                                   |
| B          | F80195     | GCA              | 98.04.08   | scale 2:1                            |
| C          | F90323     | DLE              | 99.05.04   |                                      |
| D          | F10514     | DLE              | 01.09.07   | dwg no                               |
| E          | F05-0254   | DLE              | 05.09.26   | sheet B of -                         |
| F          | F06-0138   | DLE              | 06.02.27   | size                                 |
| G          | F06-0248   | DLE              | 06.07.28   | 83808                                |
|            |            | appd             | chr        | Az                                   |
|            |            |                  | F HAUTIER  |                                      |
|            |            |                  | D LEGRAND  |                                      |
|            |            |                  | 99.05.04   |                                      |
|            |            |                  | 99.05.04   |                                      |
| sheet      | revision   |                  |            |                                      |
| index      | sheet      |                  |            |                                      |

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|----------------|-----------|
| Product number | Insulator |
| 83808-11000LF  | no        |
| 83808-11010LF  | yes       |

|                |                        |
|----------------|------------------------|
| Product number | Packaging              |
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxSLF | 200 Rocard Shield/Box  |

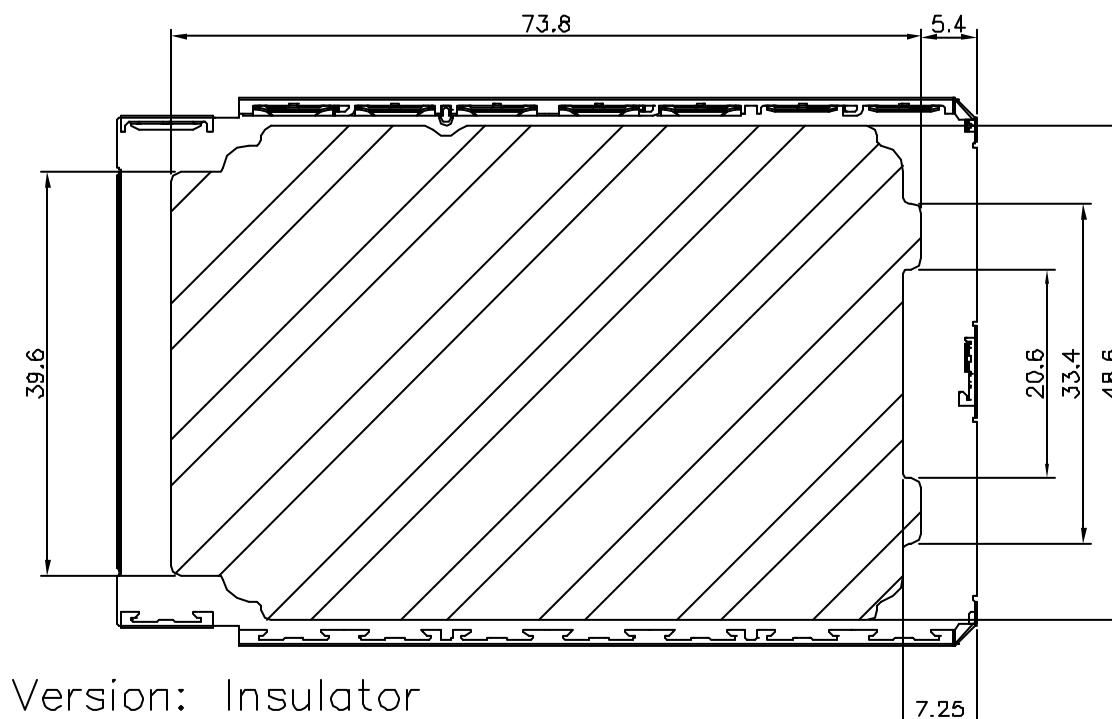
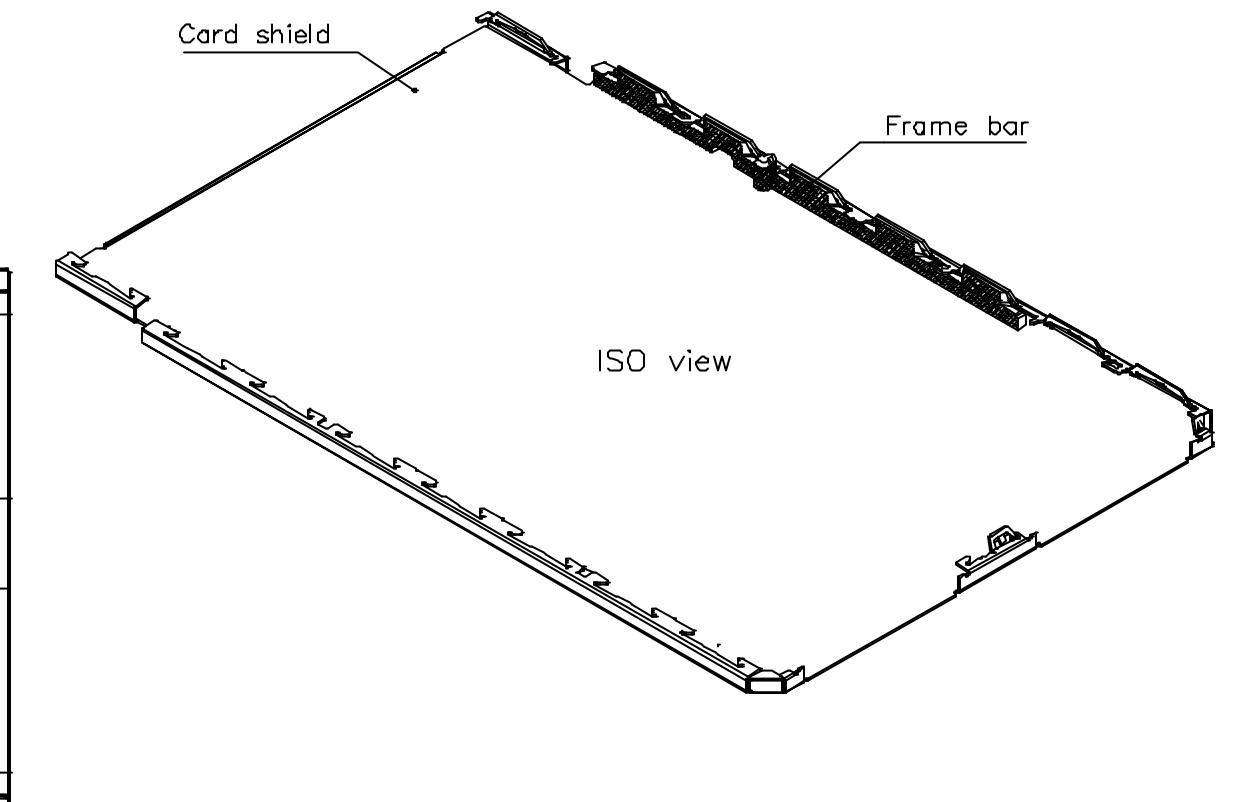
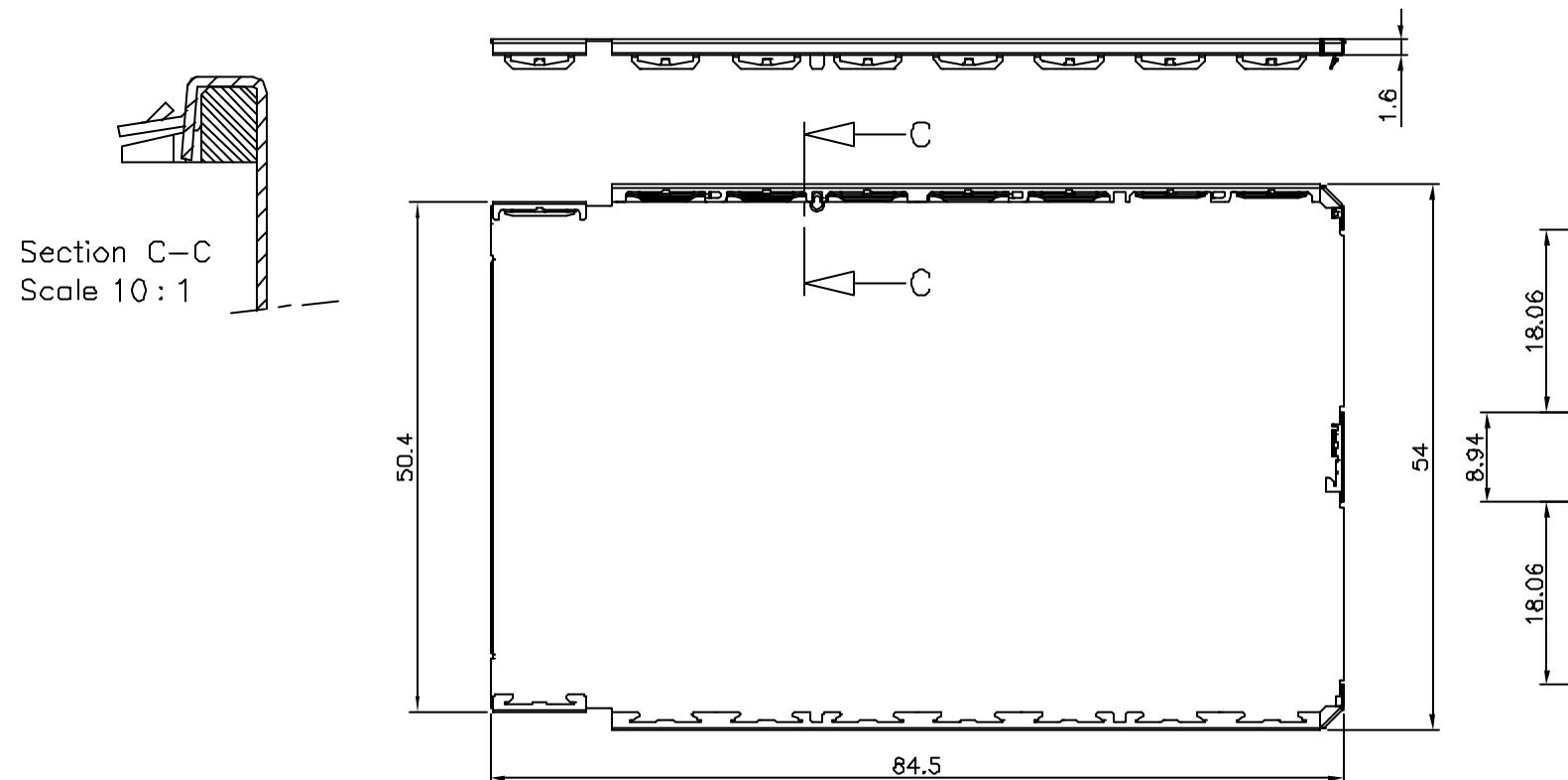


| mat'l. code |          |     | surface  | tolerance | projection                           | product family |
|-------------|----------|-----|----------|-----------|--------------------------------------|----------------|
| Utr         | techn    | nr  | dr       | date      | ISO 1302 ✓ ISO 466 ISO 1101          | PCMCIA         |
| A           | F80185   | GCA | 98.04.08 |           | tolerance unless otherwise specified |                |
| B           | F90323   | DLE | 99.05.04 |           | angles                               |                |
| C           | F10514   | DLE | 01.09.07 |           | linear                               |                |
| D           | F05-0254 | DLE | 05.09.26 | dr        | H VEREJKEN 98.02.12                  | scale 2:1      |
| E           | F08-0138 | DLE | 06.02.27 | engr      | F HAUTIER 99.05.04                   |                |
| F           | F08-0248 | DLE | 06.07.28 | chr       | D LEGRAND 99.05.04                   |                |
|             |          |     |          | appd      | F HAUTIER 99.05.04                   |                |
|             |          |     |          |           |                                      |                |
| sheet       | revision |     |          |           |                                      |                |
| index       | sheet    |     |          |           |                                      |                |

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|                |           |
|----------------|-----------|
| Product number | Insulator |
| 83808-12000LF  | no        |
| 83808-12010LF  | yes       |

|                |                        |
|----------------|------------------------|
| Product number | Packaging              |
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxLFS | 200 Rocard Shield/Box  |



Version: Insulator  
(thickness 0.07 mm)

| mat'l. code | surface    | tolerance       | projection | product family                       |
|-------------|------------|-----------------|------------|--------------------------------------|
|             | ISO 1302 ✓ | ISO 46 ISO 1101 |            | PCMCIA                               |
| ltr         | techn      | nr              | date       | tolerance unless otherwise specified |
| A           | F80195     | GCA             | 98.04.08   | angles                               |
| B           | F90323     | DLE             | 99.05.04   | linear                               |
| C           | F10514     | DLE             | 01.09.07   |                                      |
| D           | F05-0254   | DLE             | 05.09.26   | dr H VEREJKEN 98.02.12               |
| E           | F08-0138   | DLE             | 06.02.27   | engr F HAUTIER 99.05.04              |
| F           | F08-0248   | DLE             | 06.07.28   | chr D LEGRAND 99.05.04               |
|             |            |                 |            | appd F HAUTIER 99.05.04              |
|             |            |                 |            |                                      |
| sheet       | revision   |                 |            |                                      |
| index       | sheet      |                 |            |                                      |

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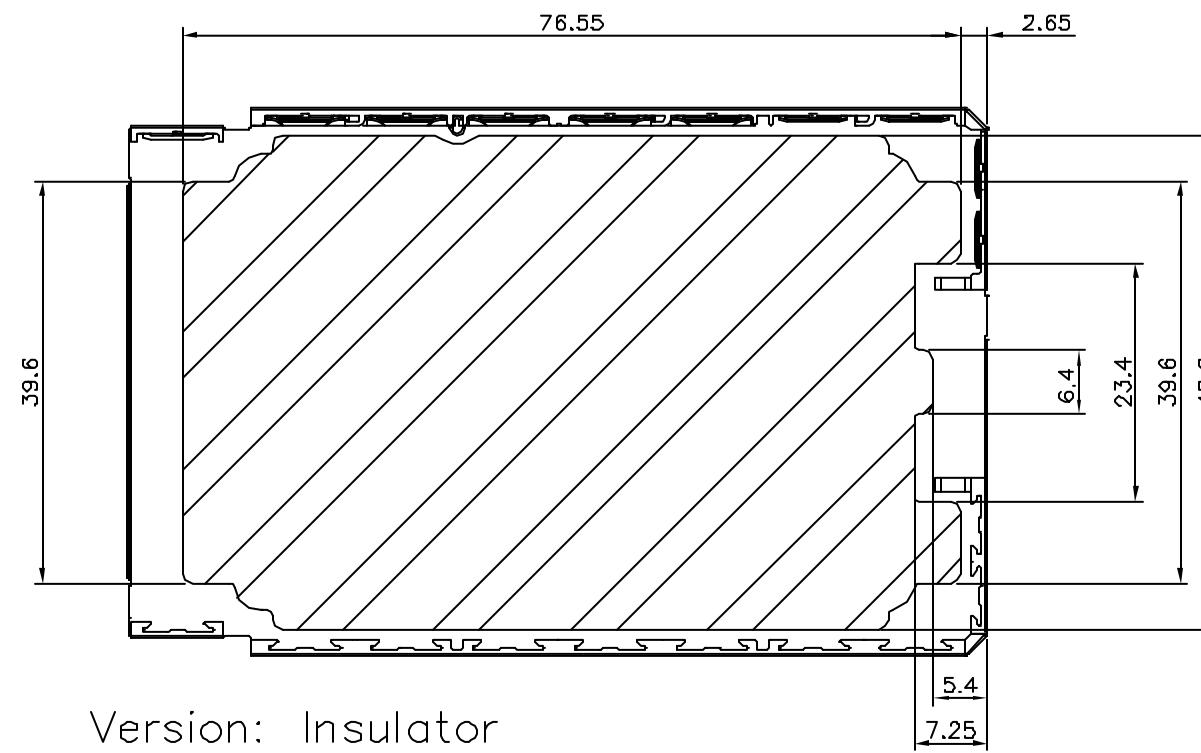
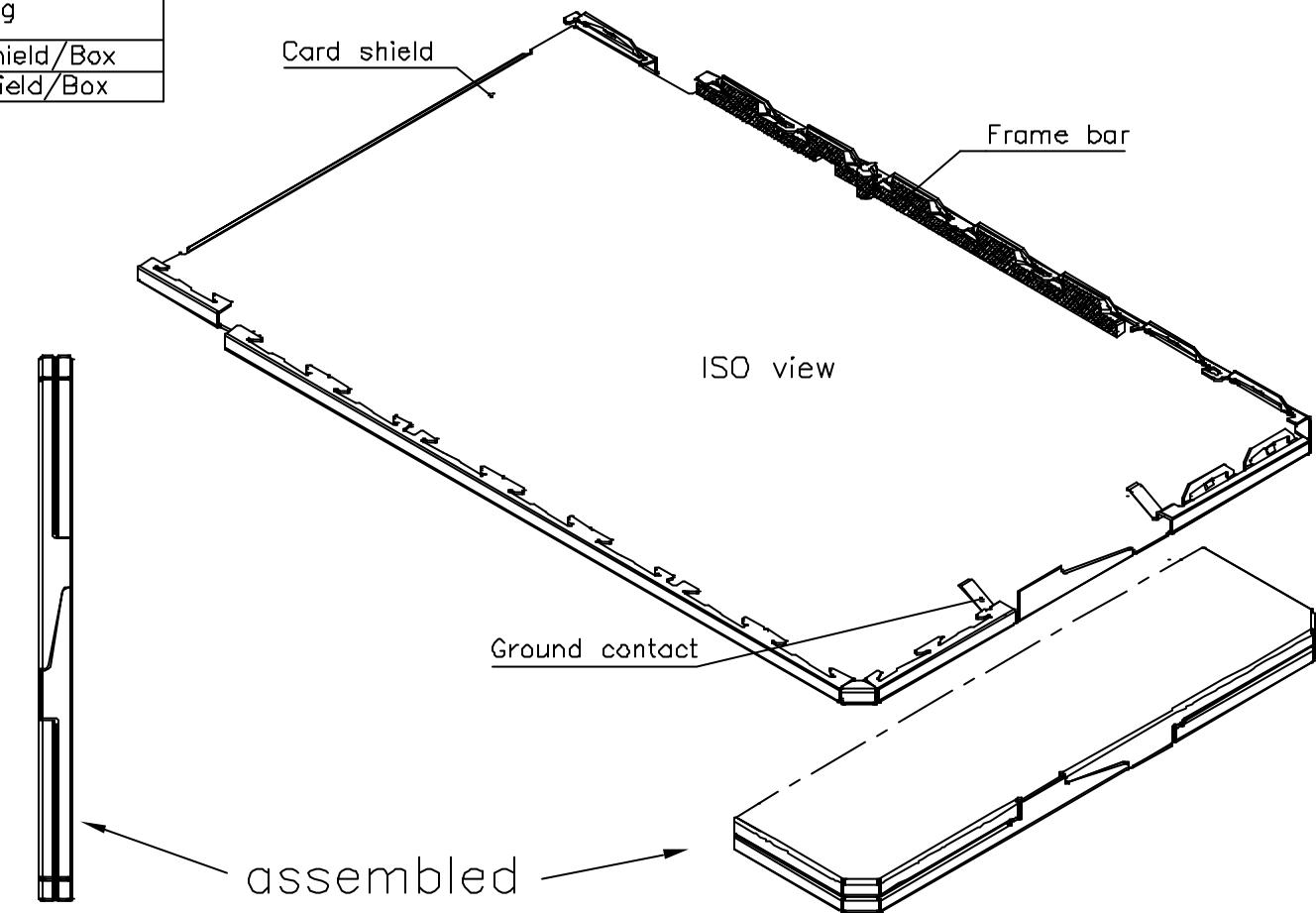
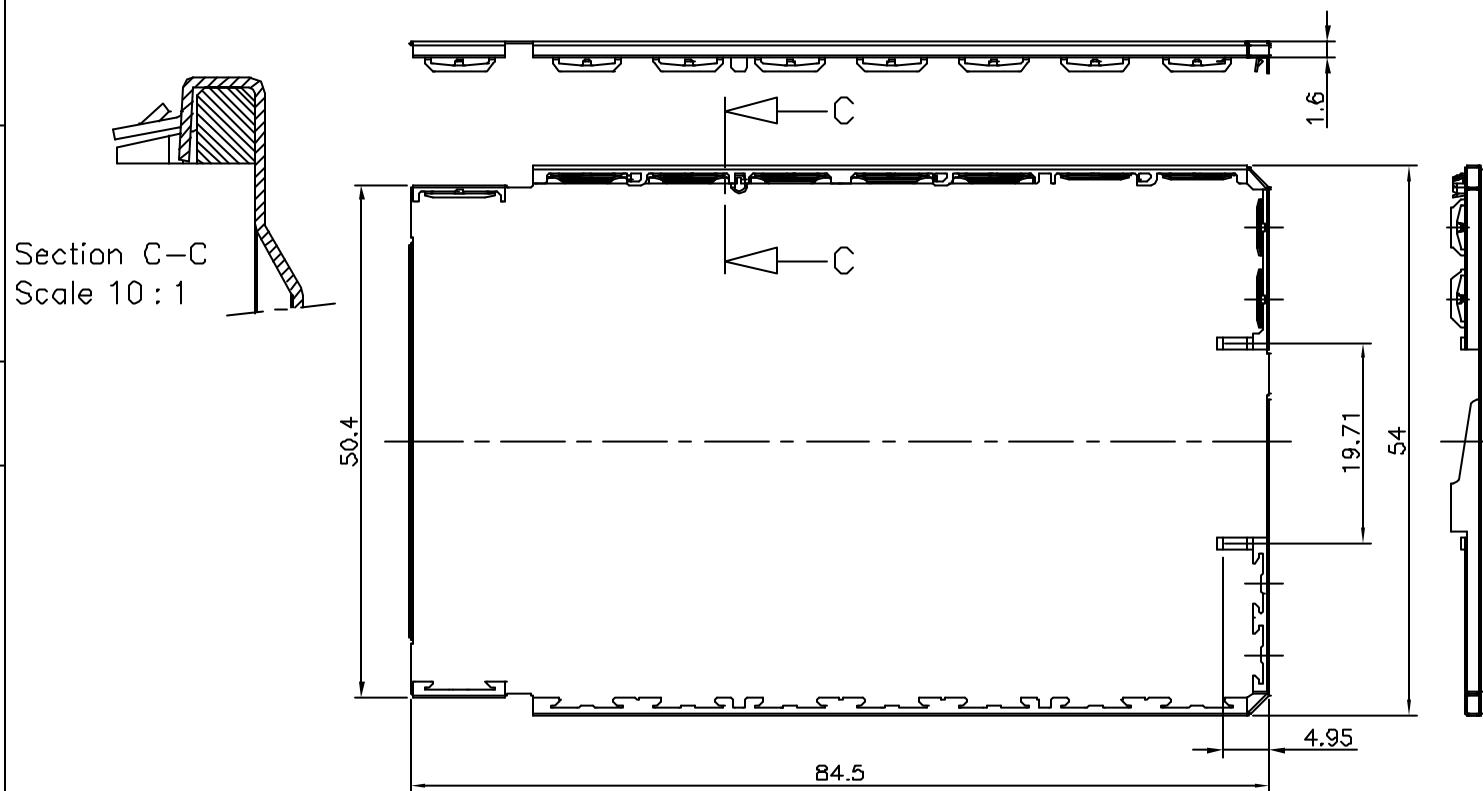
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TYPE I, 2x1/0

dwg no sheet 8 of - size  
83808 A2

type CUSTOMER Drawing

|                |           |
|----------------|-----------|
| Product number | Insulator |
| 83808-10000LF  | no        |
| 83808-10010LF  | yes       |

|                |                        |
|----------------|------------------------|
| Product number | Packaging              |
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxSLF | 200 Rocard Shield/Box  |



Version: Insulator

(thickness 0.07 mm)

| mat'l. code |          |     | surface  | tolerance                            | projection       | product family |
|-------------|----------|-----|----------|--------------------------------------|------------------|----------------|
|             |          |     | ISO 1302 | ✓                                    | ISO 466 ISO 1101 | PCMCIA         |
| A           | F80185   | GCA | 98.04.08 | tolerance unless otherwise specified |                  |                |
| B           | F90323   | DLE | 99.05.04 | angles                               | mm               |                |
| C           | F10514   | DLE | 01.09.07 | linear                               |                  |                |
| D           | F05-0254 | DLE | 05.09.26 | dr                                   | H VEREKEN        | scale 2:1      |
| E           | F08-0138 | DLE | 06.02.27 | engr                                 | F HAUTIER        | 99.05.04       |
| F           | F08-0248 | DLE | 06.07.28 | chr                                  | D LEGRAND        | 99.05.04       |
|             |          |     |          | appd                                 | F HAUTIER        | 99.05.04       |
| sheet       | revision |     |          |                                      |                  |                |
| index       | sheet    |     |          |                                      |                  |                |

FC

dwg no sheet 9 of - size  
83808 A2

type CUSTOMER Drawing

|                |           |              |
|----------------|-----------|--------------|
| Product number | Insulator | Label recess |
| 83808-20001LF  | no        | no           |
| 83808-20011LF  | yes       | no           |
| 83808-20101LF  | no        | yes          |
| 83808-20111LF  | yes       | yes          |

|                |                        |
|----------------|------------------------|
| Product number | Packaging              |
| 83808-xxxxxLF  | 1000 Rocard Shield/Box |
| 83808-xxxxxSLF | 200 Rocard Shield/Box  |

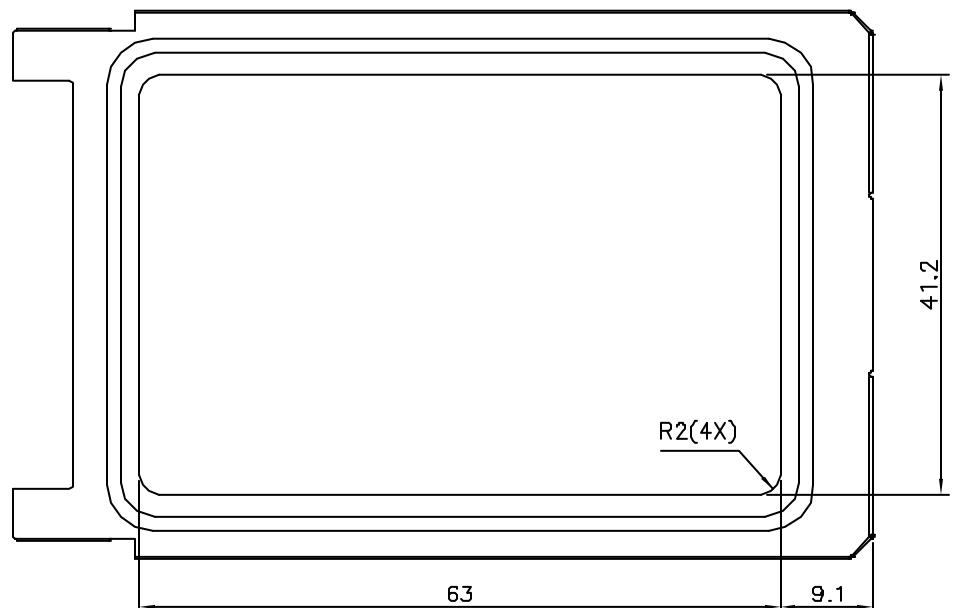
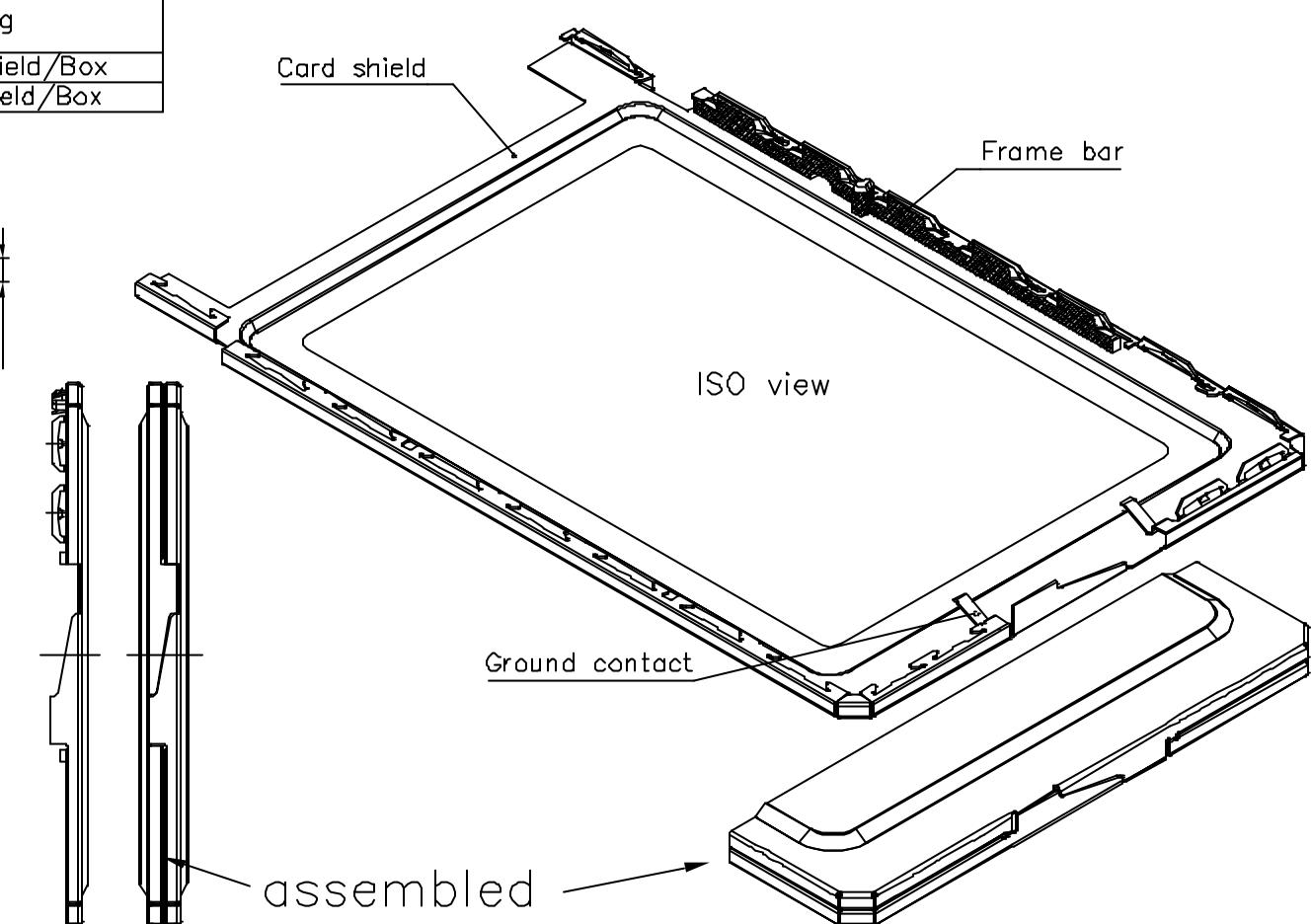
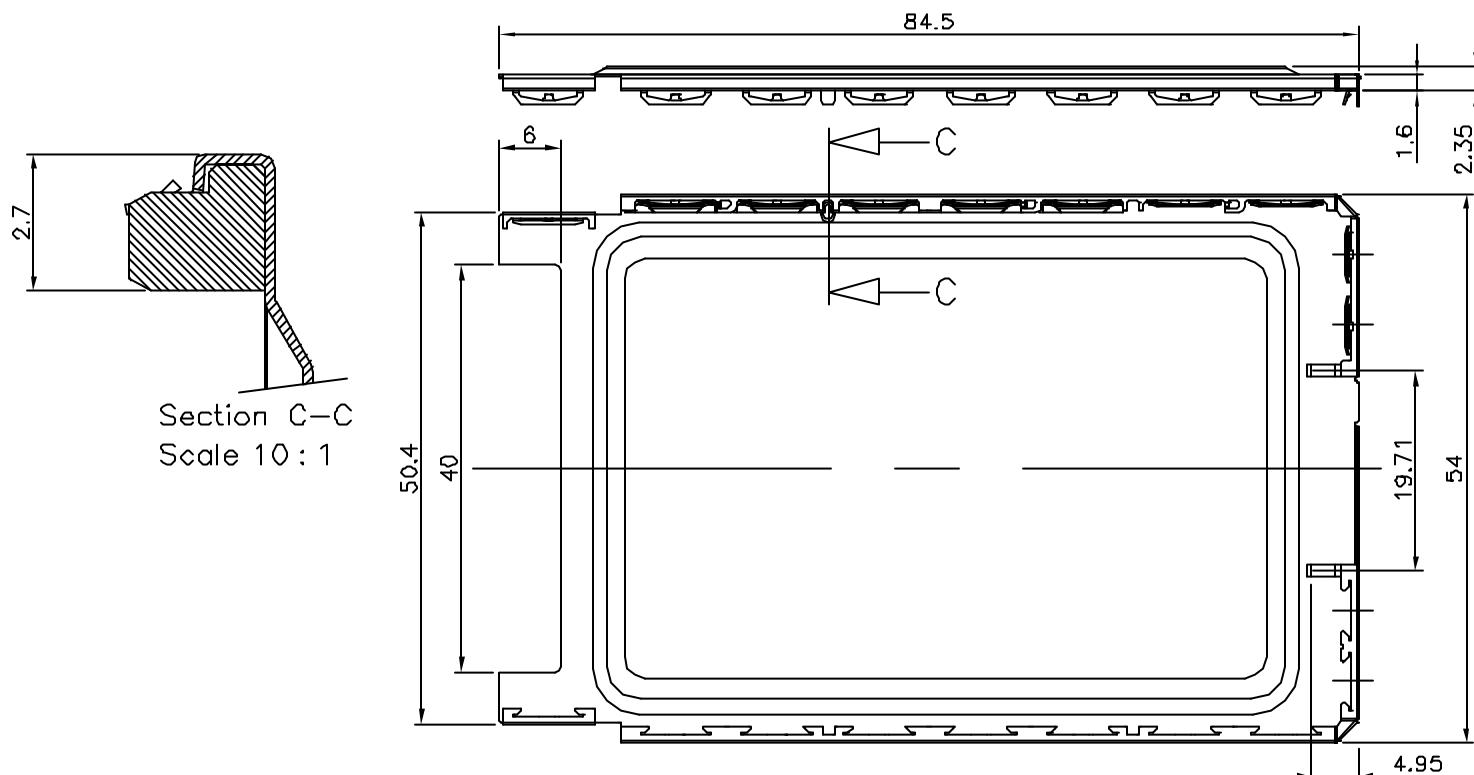
Card shield

Frame bar

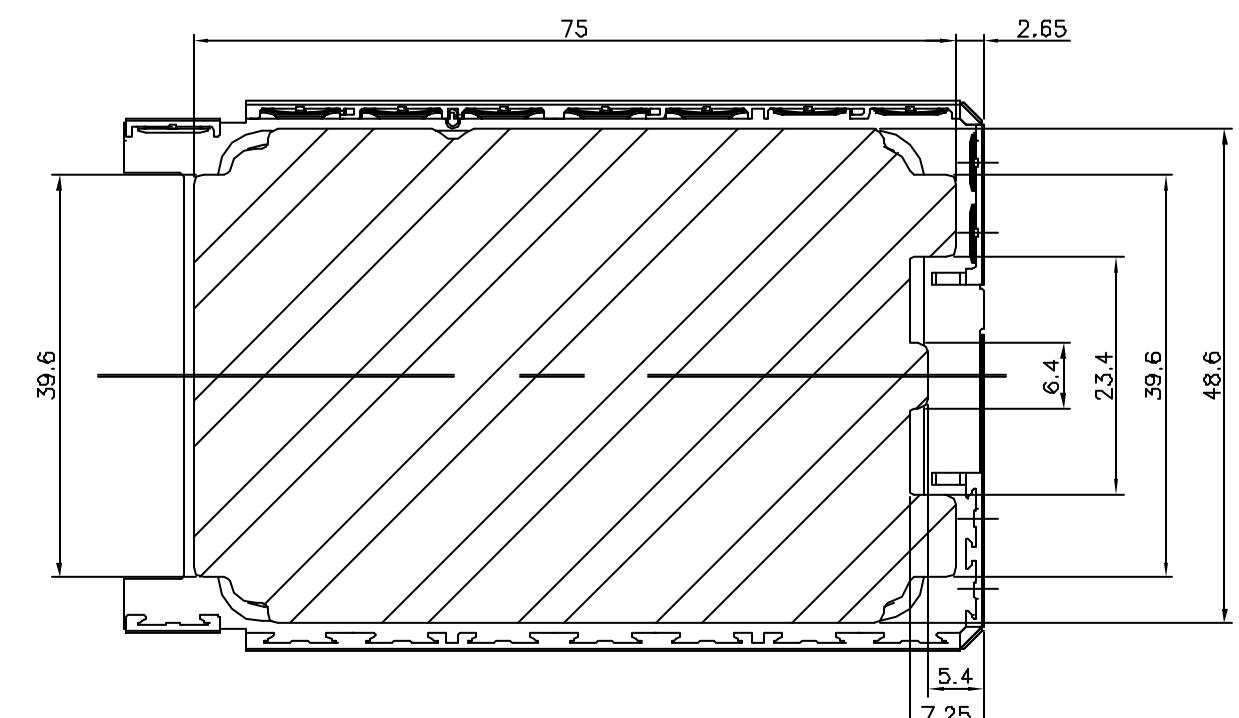
ISO view

Ground contact

assembled



Version: Label recess  
(maximum label thickness 0.07 mm)



Version: Insulator  
(thickness 0.07 mm)

| mat'l code     | surface    | tolerance                            | projection | product family        |
|----------------|------------|--------------------------------------|------------|-----------------------|
|                | ISO 1302 ✓ | ISO 466 ISO 1101                     |            | PCMCIA                |
| Utr.techn. no  | dr. date   | tolerance unless otherwise specified |            | title                 |
| A F00655 DLE   | 09.10.25   |                                      | mm         | ROCARD SHIELD         |
| B F00106 LMU   | 00.01.19   | angles                               | scale 2:1  | TYPEII,CLOSED,CARDBUS |
| C F10514 DLE   | 01.09.07   | Linear                               |            |                       |
| D F05-0254 DLE | 05.09.26   | dr. D. LEGRAND 09.10.25              |            |                       |
| E F08-0138 DLE | 06.02.27   | engr. F. HAUTIER 09.10.25            |            |                       |
| F F08-0248 DLE | 06.07.28   | chr. AESCHBACHER 09.10.25            |            |                       |
|                |            | appd. F. HAUTIER 09.10.25            |            |                       |
| sheet          | revision   |                                      |            |                       |
| index          | sheet      |                                      |            |                       |

FC

dwg no sheet 10 of - size  
83808 A2

type CUSTOMER Drawing