

PRODUCT NUMBER  
SEE SHEET 16

ODD COLUMN, CONTACT ROW ID  
ODD AND EVEN COLUMNS  
ARE OFFSET

EVEN COLUMN,  
CONTACT ROW ID

NOTE 6

HOUSING

4X 1  
SIGNAL PAIR  
CENTERS

4X 3.6  
GROUND CENTERS

1.3  
ROW A TO  
FIRST GROUND

4X 3.6  
SIGNAL CENTERS

A1 CORNER CHAMFER

COLUMN ID

Greg Hull

2015/06/04

Peng-Bing Fu

2016/04/06

10135223-Y01LF  
(10135223-101LF STANDARD MATE CON

4X 3.6  
GROUND CENTERS

4X 3.6  
SIGNAL CENTERS

1.3  
ROW A TO  
FIRST SIGNAL

4X 1  
SIGNAL PAIR  
CENTERS

TOP SURFACE  
OF DAUGHTER CARD

90X 1.40±0.15  
SIGNALS

1.05  
Ø OF ROW A  
EVEN COLUMNS

1.25  
Ø OF ROW A  
ODD COLUMNS

0.20  
ODD TO EVEN  
COLUMN OFFSET

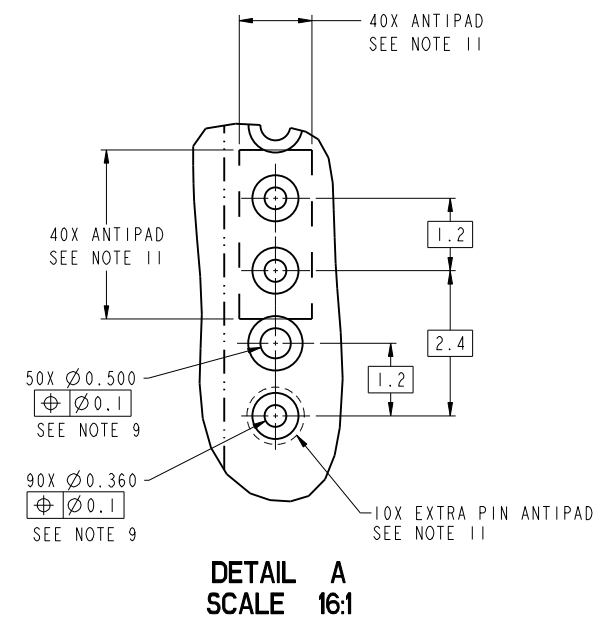
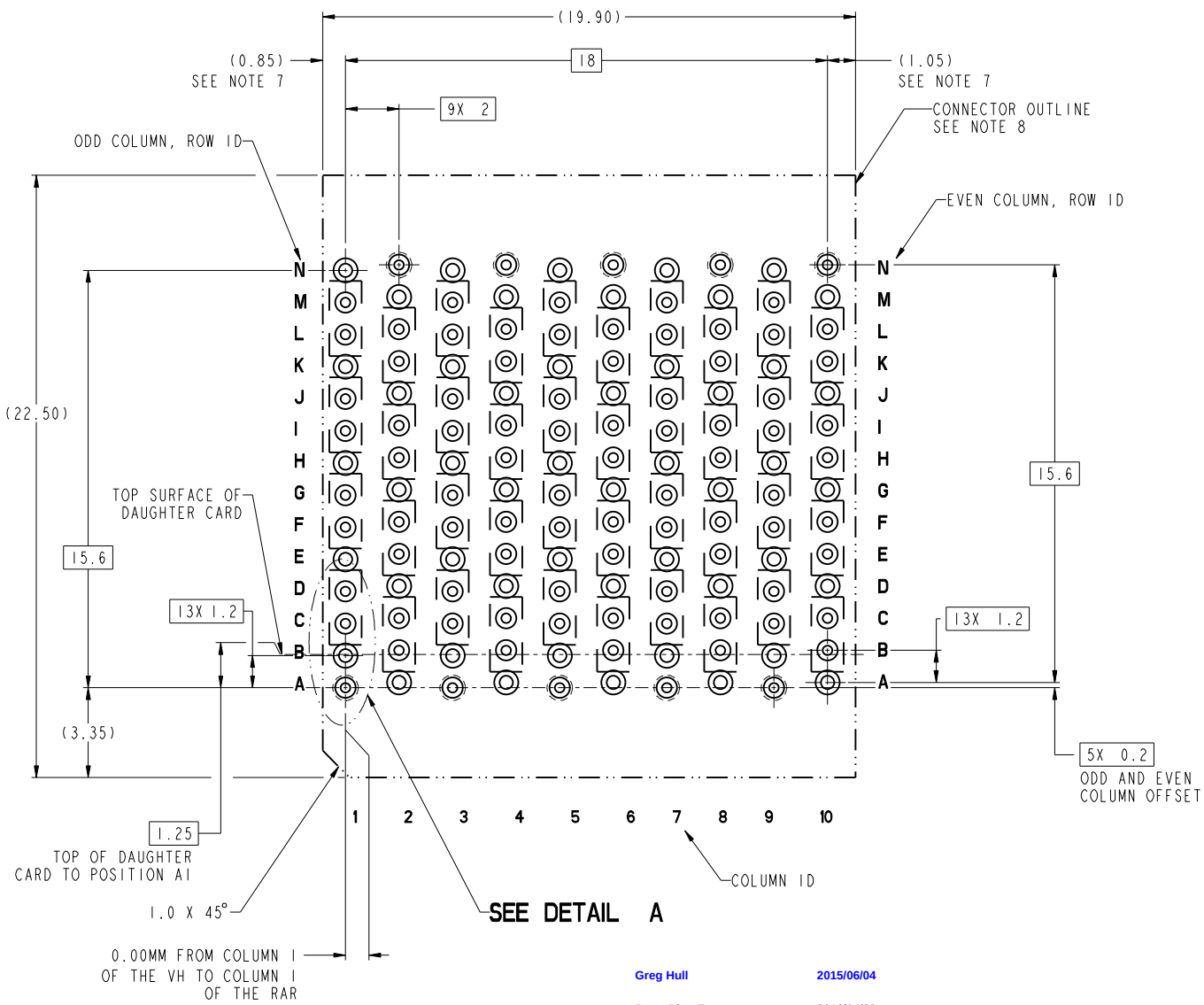
SEE NOTE 10  
**Preliminary**

|               |                                       |         |         |                 |                             |                                                                                       |                                                                                       |                                                                                       |               |           |  |
|---------------|---------------------------------------|---------|---------|-----------------|-----------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|-----------|--|
| spec ref      | SEE NOTES                             |         | dr      | G. HULL         | 2015-07-09                  | projection                                                                            |  | MM                                                                                    | size          | A2        |  |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         | eng     | G. HULL         | 2015-07-09                  |  |  |  | ech no        | 2         |  |
| chr           |                                       |         | G. HULL | 2015-07-09      |                             |                                                                                       |                                                                                       |                                                                                       |               |           |  |
| appr          |                                       |         |         |                 | product family              |                                                                                       |                                                                                       |                                                                                       | ExaMAX        | rel level |  |
| ISO 406       |                                       |         |         |                 |                             |                                                                                       |                                                                                       |                                                                                       |               |           |  |
| ISO 1101      |                                       |         |         |                 |                             |                                                                                       |                                                                                       |                                                                                       |               |           |  |
| surface       | linear                                | 0.X     | ±.3     | Amphenol<br>FCI | ExaMAX VERTICAL HEADER ASSY | 4 PR, 85 Ohm, 140 POS, 10 IMLA                                                        | eng no                                                                                | 10135223                                                                              | sheet 1 of 11 |           |  |
|               |                                       | 0.XX    | ±.10    |                 |                             |                                                                                       |                                                                                       |                                                                                       |               |           |  |
|               |                                       | 0.XXX   | ±.050   |                 |                             |                                                                                       |                                                                                       |                                                                                       |               |           |  |
|               | ISO 1302                              | angular | 0°      | ±°              | cat. no.                    | SEE TABLE                                                                             | Product - Customer Drw                                                                |                                                                                       |               |           |  |

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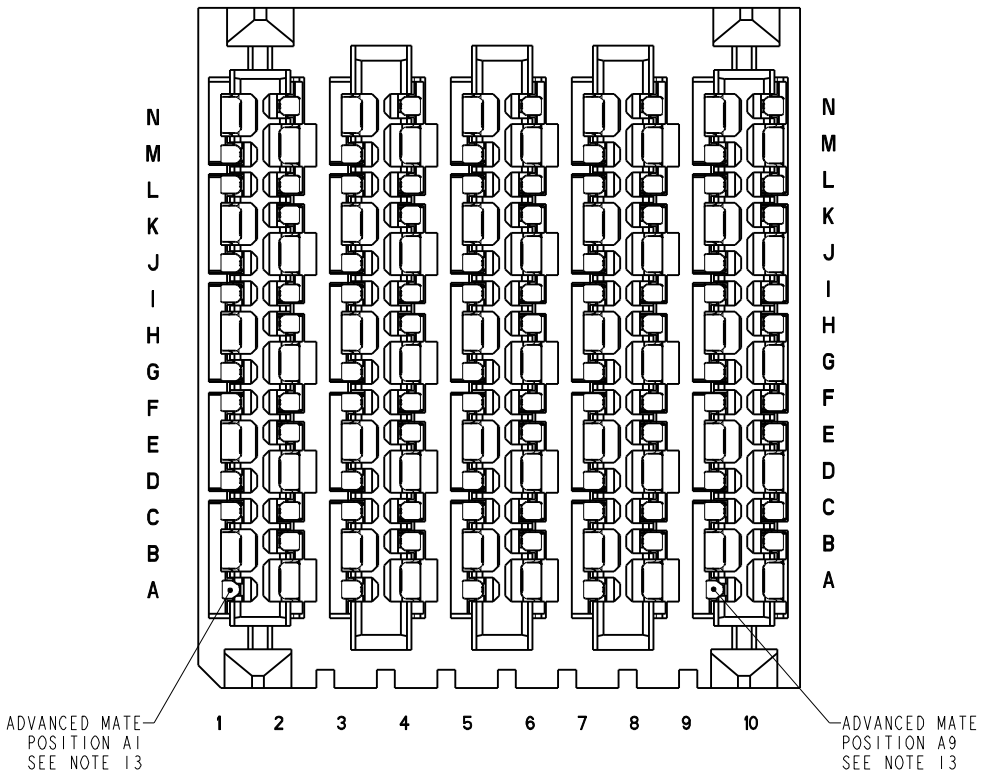
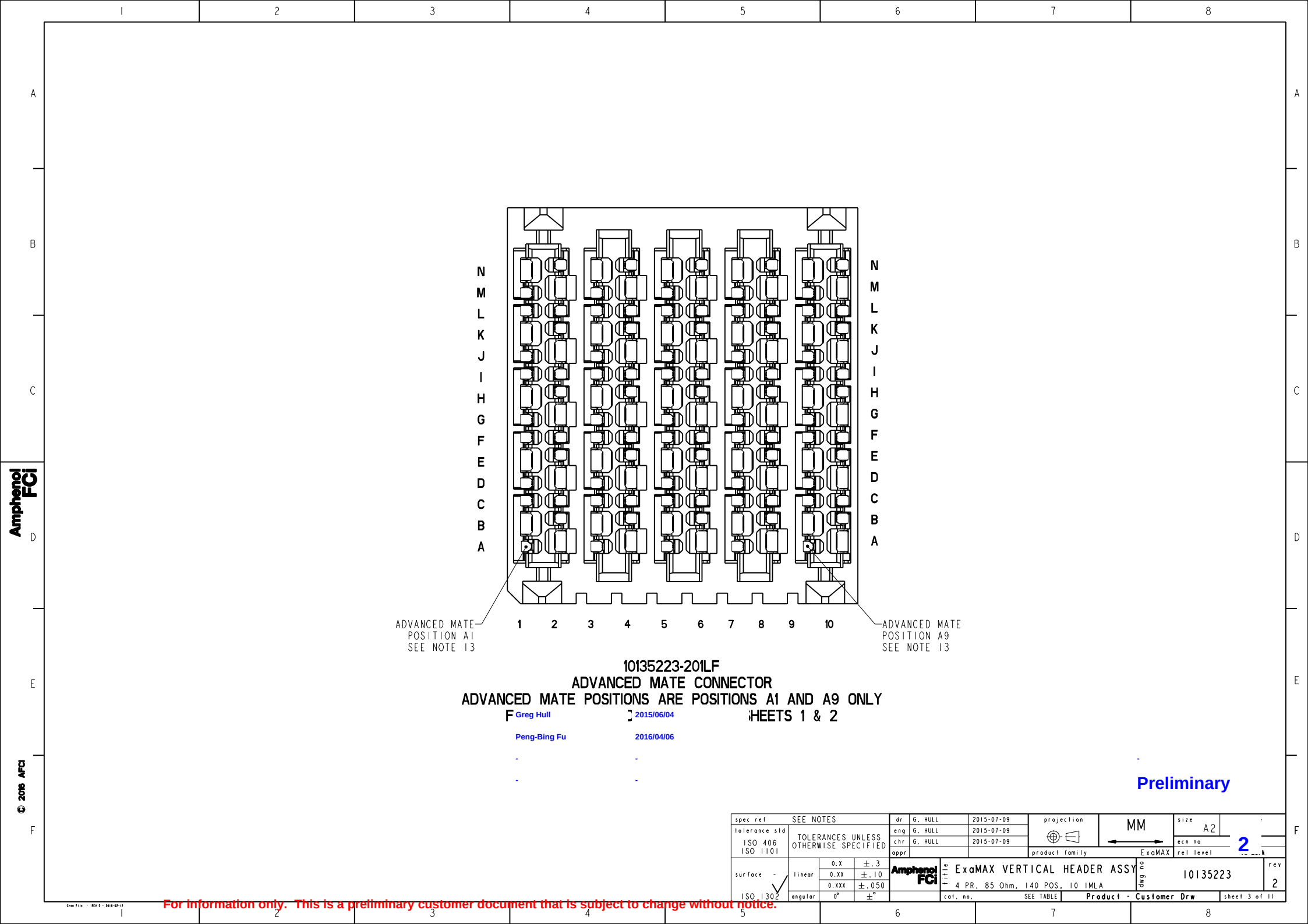
RECOMMENDED PCB  
10135223-Y01LF COMPONENT SIDE  
SEE NOTES 7, 9, 10, & 11

Greg Hull 2015/06/04  
Peng-Bing Fu 2016/04/06

Preliminary

|               |                                       |       |         |              |                                |           |                        |               |
|---------------|---------------------------------------|-------|---------|--------------|--------------------------------|-----------|------------------------|---------------|
| spec ref      | SEE NOTES                             | dr    | G. HULL | 2015-07-09   | projection                     | MM        | size                   | A2            |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | G. HULL | 2015-07-09   | product family                 | ExoMAX    | ech no                 | 2             |
| ISO 406       |                                       | chr   | G. HULL | 2015-07-09   |                                |           | rel level              |               |
| ISO 1101      |                                       | appr  |         |              |                                |           |                        |               |
| surface       | linear                                | 0.X   | ±.3     | Amphenol FCI | ExoMAX VERTICAL HEADER ASSY    | ang no    | 10135223               | rev           |
|               |                                       | 0.XX  | ±.10    |              | 4 PR, 85 Ohm, 140 POS, 10 IMLA |           |                        | 2             |
|               |                                       | 0.XXX | ±.050   |              | cat. no.                       | SEE TABLE | Product - Customer Drw | sheet 2 of 11 |
| ISO 1302      | angular                               | 0°    | ±°      |              |                                |           |                        |               |

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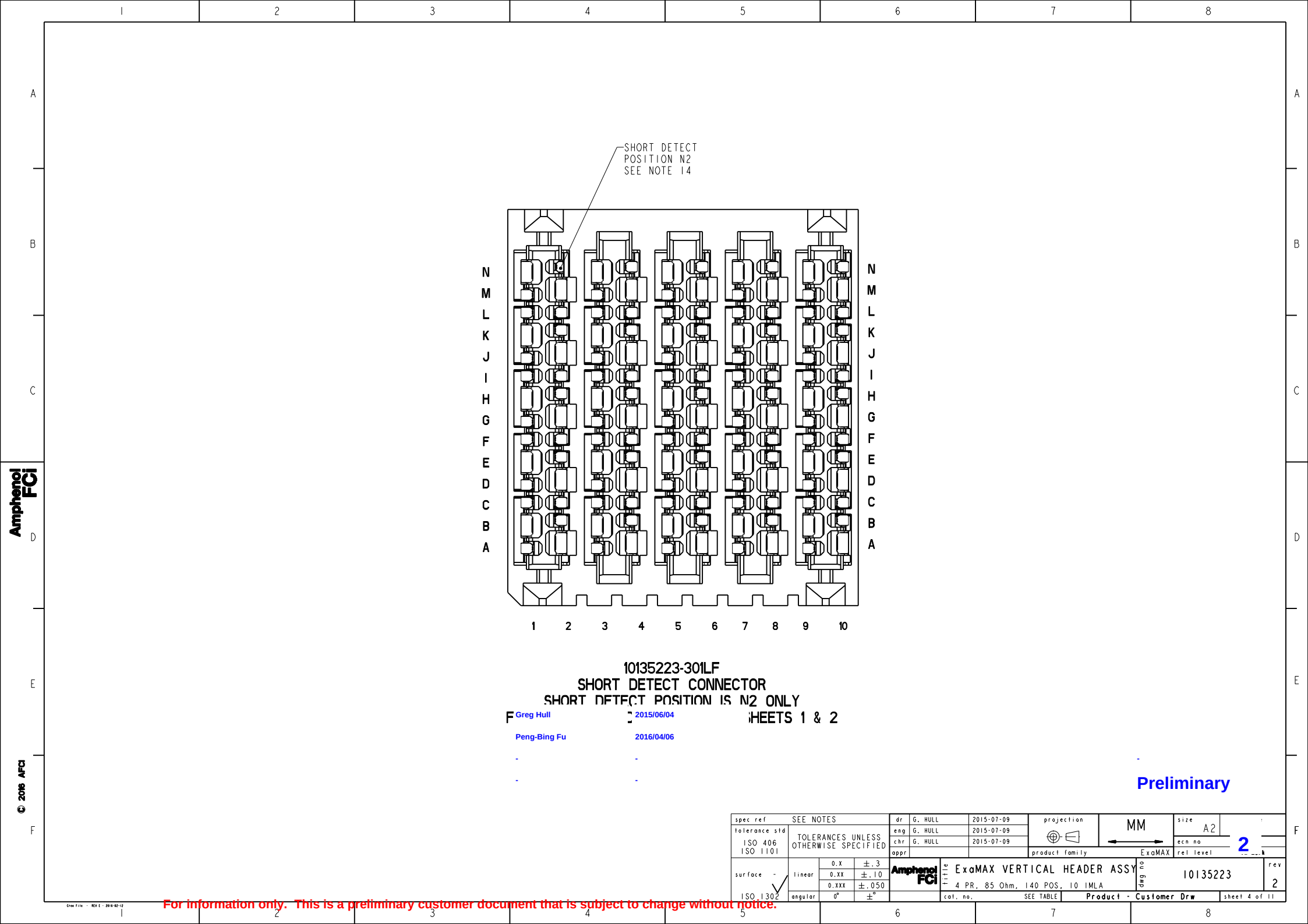


10135223-201LF  
ADVANCED MATE CONNECTOR  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
F Greg Hull 2015/06/04  
Peng-Bing Fu 2016/04/06

Preliminary

|               |  |                                       |       |       |              |                                |                |    |           |          |                             |           |                        |     |               |
|---------------|--|---------------------------------------|-------|-------|--------------|--------------------------------|----------------|----|-----------|----------|-----------------------------|-----------|------------------------|-----|---------------|
| spec ref      |  | SEE NOTES                             |       | dr    | G. HULL      | 2015-07-09                     | projection     | MM | size      | A2       |                             |           |                        |     |               |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng   | G. HULL      | 2015-07-09                     |                |    | ech no    |          | 2                           |           |                        |     |               |
| ISO 406       |  |                                       |       | chr   | G. HULL      | 2015-07-09                     |                |    | rel level |          |                             |           |                        |     |               |
| ISO 1101      |  |                                       |       | appr  |              |                                | product family |    | ExaMAX    |          |                             |           |                        |     |               |
| surface       |  | linear                                | 0.X   | ±.3   | Amphenol FCI | Title                          |                |    |           |          | ExaMAX VERTICAL HEADER ASSY | eng no    | 10135223               | rev |               |
| ISO 1302      |  |                                       | 0.XX  | ±.10  |              | 4 PR, 85 Ohm, 140 POS, 10 IMLA |                |    |           |          |                             |           |                        |     |               |
|               |  |                                       | 0.XXX | ±.050 |              |                                |                |    |           |          |                             |           |                        |     |               |
|               |  | angular                               | 0°    | ±°    |              |                                |                |    |           | cat. no. |                             | SEE TABLE | Product - Customer Drw |     | sheet 3 of 11 |

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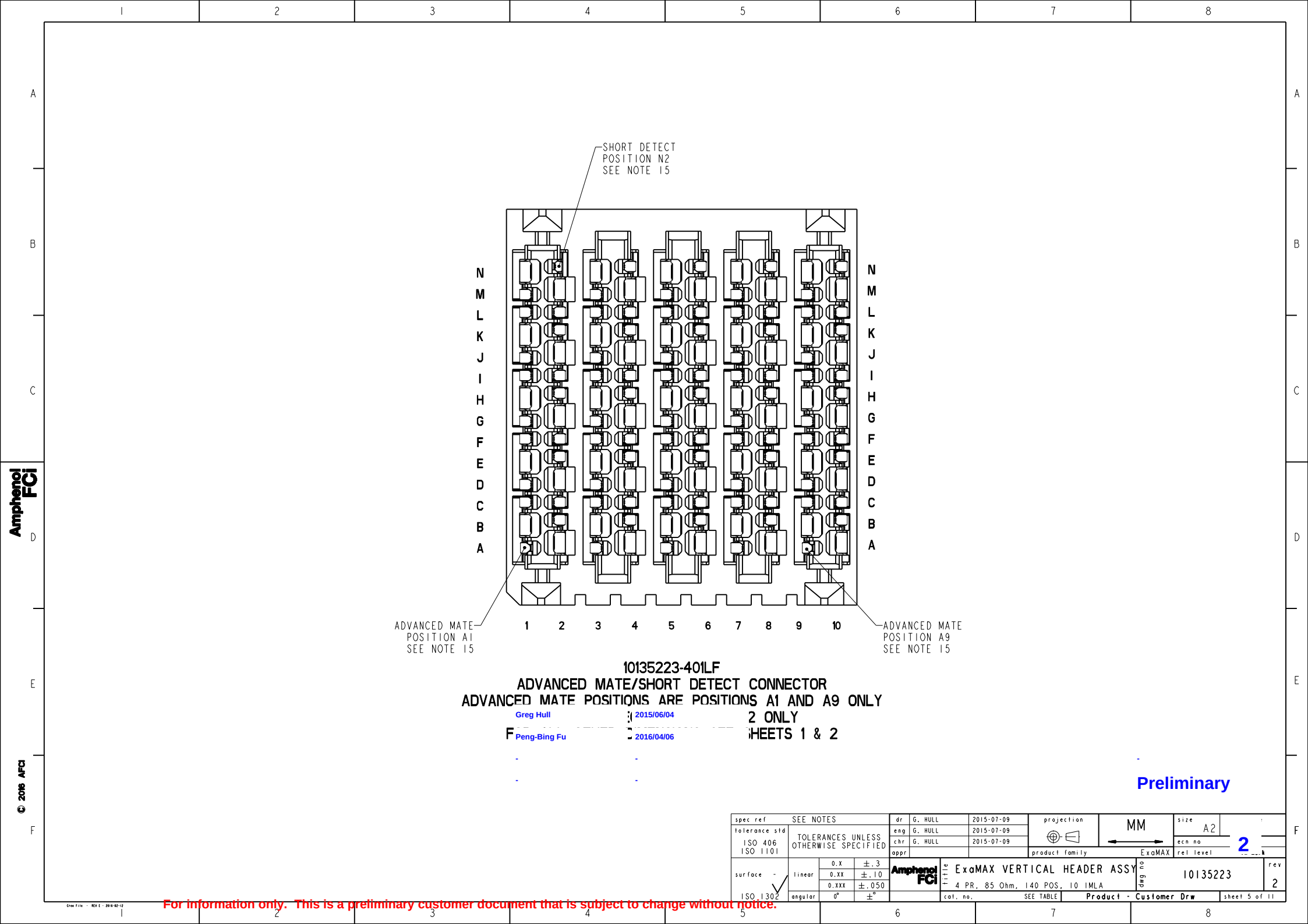
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10135223-301LF  
SHORT DETECT CONNECTOR  
SHORT DETECT POSITION IS N2 ONLY  
SHEETS 1 & 2

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|               |         |                                       |       |                 |                                |            |                        |    |        |               |           |
|---------------|---------|---------------------------------------|-------|-----------------|--------------------------------|------------|------------------------|----|--------|---------------|-----------|
| spec ref      |         | SEE NOTES                             |       | dr              | G. HULL                        | 2015-07-09 | projection             | MM | size   | A2            |           |
| tolerance std |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng             | G. HULL                        | 2015-07-09 |                        |    | ech no |               | 2         |
| ISO 406       |         |                                       |       | chr             | G. HULL                        | 2015-07-09 |                        |    |        |               |           |
| ISO 1101      |         |                                       |       | appr            |                                |            | product family         |    | ExaMAX |               | rel level |
| surface       | linear  | 0.X                                   | ±.3   | Amphenol<br>FCi | ExaMAX VERTICAL HEADER ASSY    |            |                        |    |        | 10135223      | rev       |
|               |         | 0.XX                                  | ±.10  |                 | 4 PR. 85 Ohm, 140 POS, 10 IMLA |            |                        |    |        |               |           |
|               |         | 0.XXX                                 | ±.050 |                 |                                |            |                        |    |        |               |           |
| ISO 1302      | angular | 0°                                    | ±°    | cat. no.        |                                | SEE TABLE  | Product - Customer Drw |    |        | sheet 4 of 11 |           |

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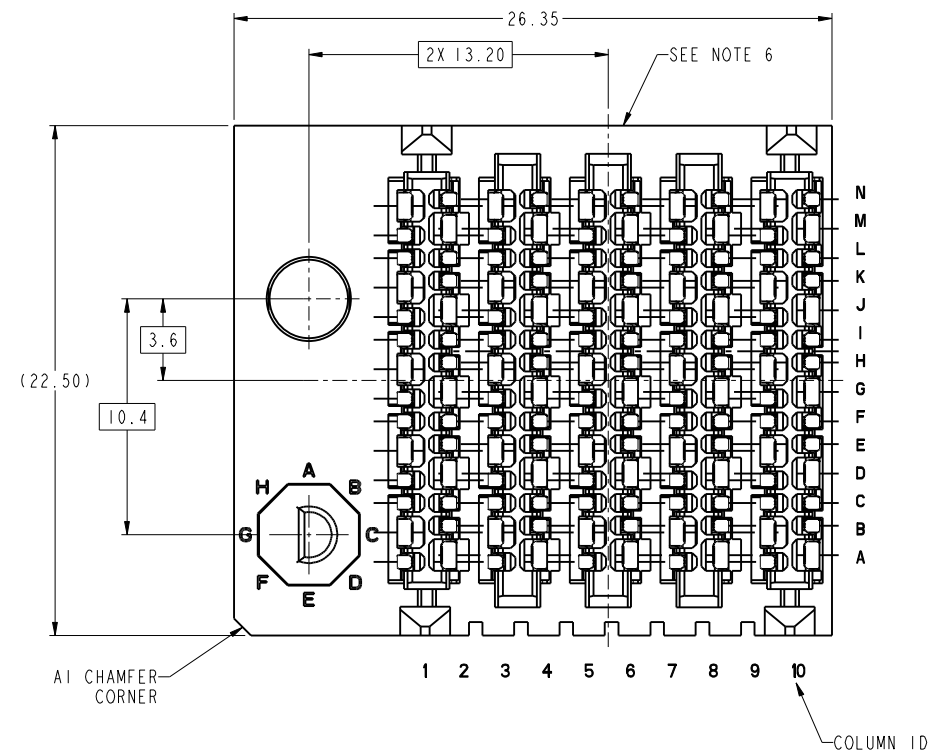
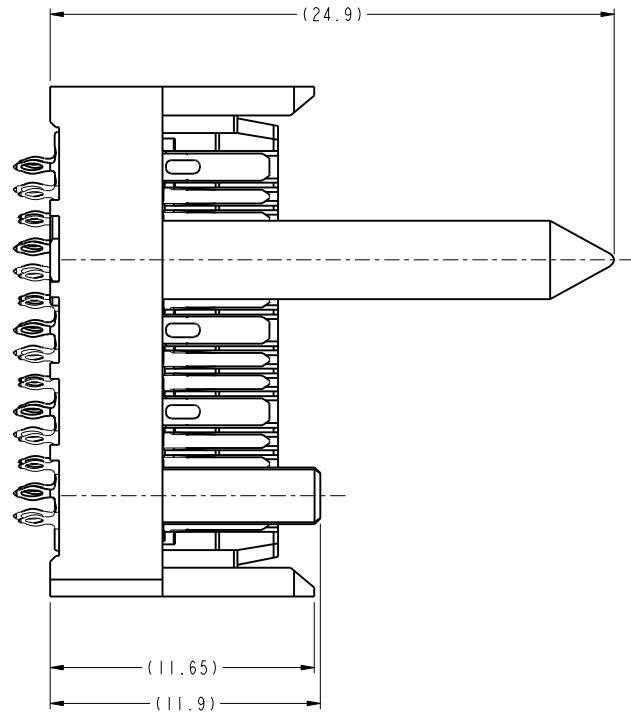
10135223-401LF  
ADVANCED MATE/SHORT DETECT CONNECTOR  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
2 ONLY  
SHEETS 1 & 2

Greg Hull 2015/06/04  
Peng-Bing Fu 2016/04/06

Preliminary

|               |                                       |       |       |         |            |                |                             |           |            |          |        |
|---------------|---------------------------------------|-------|-------|---------|------------|----------------|-----------------------------|-----------|------------|----------|--------|
| spec ref      | SEE NOTES                             |       | dr    | G. HULL | 2015-07-09 |                |                             | MM        | size<br>A2 | rev<br>2 |        |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng   | G. HULL | 2015-07-09 |                |                             |           |            |          | ech no |
| ISO 406       |                                       |       | chr   | G. HULL | 2015-07-09 | product family | ExaMAX                      | rel level | 10135223   | 2        |        |
| ISO 1101      |                                       |       | appr  |         |            |                |                             |           |            |          |        |
| surface       | linear                                | 0.X   | ±.3   |         |            | Title          | ExaMAX VERTICAL HEADER ASSY |           | ang no     | 10135223 | 2      |
|               |                                       | 0.XX  | ±.10  |         |            |                |                             |           |            |          |        |
|               |                                       | 0.XXX | ±.050 |         |            |                |                             |           |            |          |        |
| ISO 1302      | angular                               | 0°    | ±°    |         | cat. no.   |                | SEE TABLE                   |           |            |          |        |

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10135223-01A1 E TUBI 111 E  
RICHI G. HULL 2015/06/04 (NOTE 17)  
F Peng-Bing Fu 2016/04/06 SHEET 1

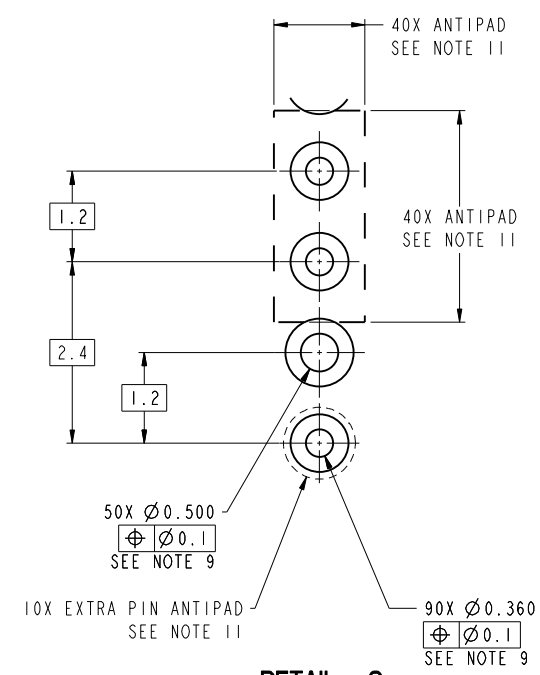
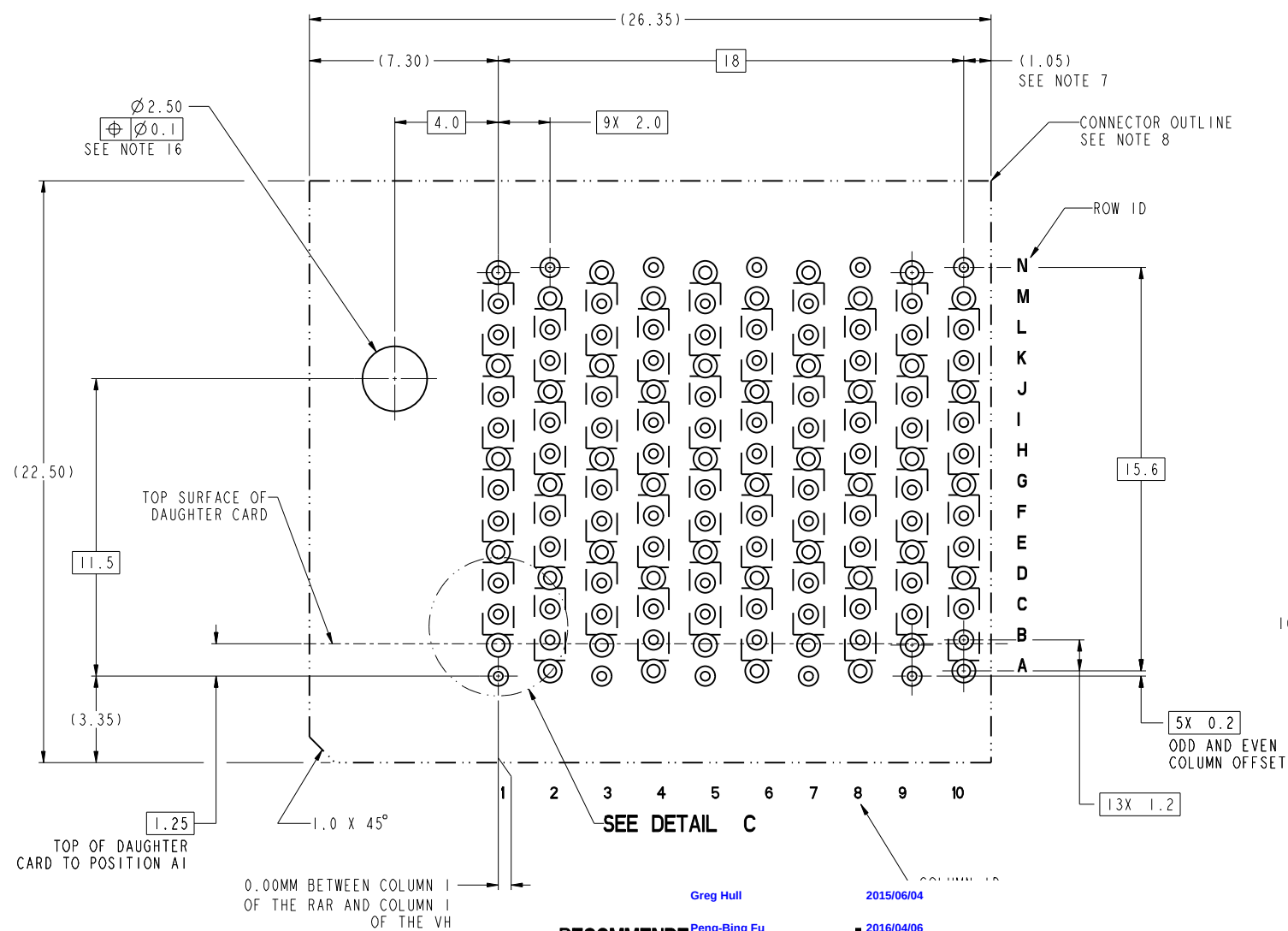
Preliminary

|               |                                       |       |         |              |                                |           |                        |               |
|---------------|---------------------------------------|-------|---------|--------------|--------------------------------|-----------|------------------------|---------------|
| spec ref      | SEE NOTES                             | dr    | G. HULL | 2015-07-09   | projection                     | MM        | size                   | A2            |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | G. HULL | 2015-07-09   | ech no                         |           | 2                      |               |
| ISO 406       |                                       | chr   | G. HULL | 2015-07-09   | product family                 | ExaMAX    | rel level              |               |
| ISO 1101      |                                       | appr  |         |              |                                |           |                        |               |
| surface       | linear                                | 0.X   | ±.3     | Amphenol FCI | ExaMAX VERTICAL HEADER ASSY    | ang no    | 10135223               | rev           |
|               |                                       | 0.XX  | ±.10    |              | 4 PR, 85 Ohm, 140 POS, 10 IMLA |           |                        | 2             |
|               |                                       | 0.XXX | ±.050   |              | cat. no.                       | SEE TABLE | Product - Customer Drw | sheet 6 of 11 |
| ISO 1302      | angular                               | 0°    | ±°      |              |                                |           |                        |               |

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RECOMMENDED  
10135223-Y1Y1  
COMF  
SEE NOTES 1, 8, 9, 11 & 16

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DETAIL C  
SCALE 20:1

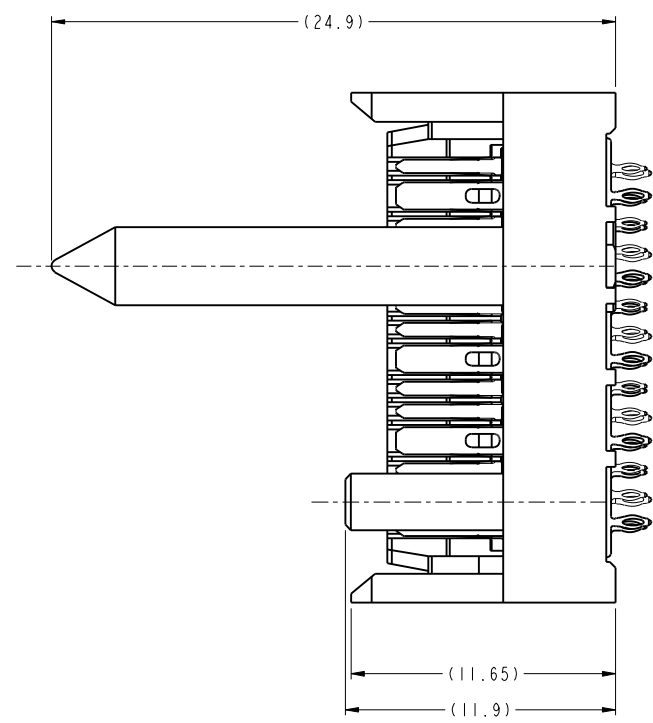
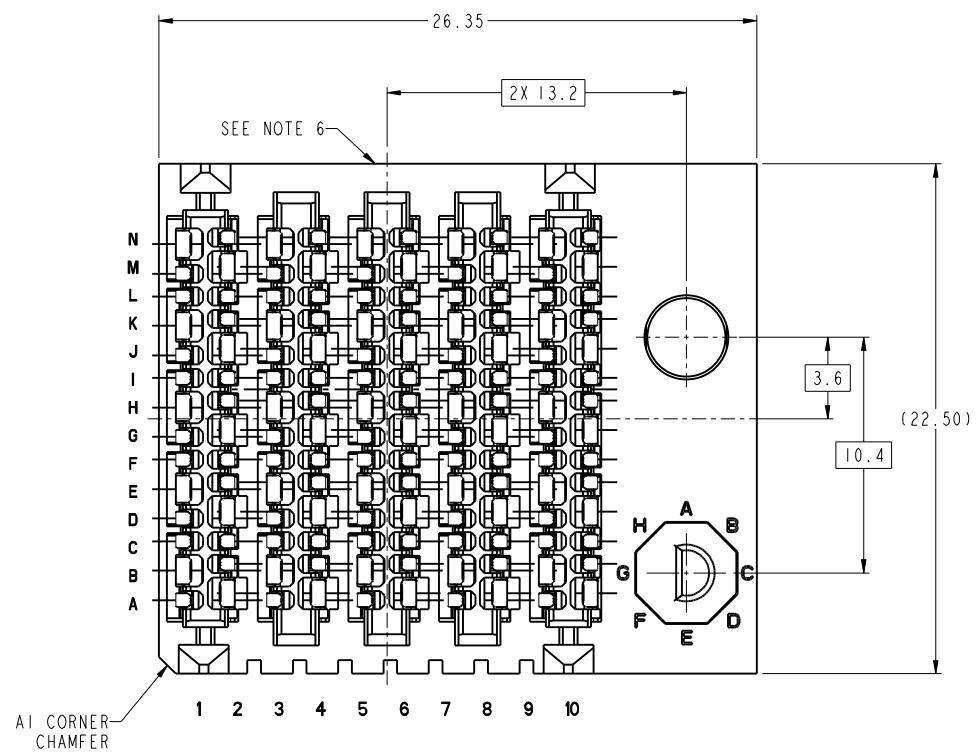
Preliminary

|               |                                       |       |         |              |                                |           |                        |               |
|---------------|---------------------------------------|-------|---------|--------------|--------------------------------|-----------|------------------------|---------------|
| spec ref      | SEE NOTES                             | dr    | G. HULL | 2015-07-09   | projection                     | MM        | size                   | A2            |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | G. HULL | 2015-07-09   | product family                 | ExoMAX    | ech no                 | 2             |
| ISO 406       |                                       | chr   | G. HULL | 2015-07-09   |                                |           | rel level              |               |
| ISO 1101      |                                       | appr  |         |              |                                |           |                        |               |
| surface       | linear                                | 0.X   | ±.3     | Amphenol FCI | ExoMAX VERTICAL HEADER ASSY    | ang no    | 10135223               | rev           |
|               |                                       | 0.XX  | ±.10    |              | 4 PR, 85 Ohm, 140 POS, 10 IMLA |           |                        | 2             |
|               |                                       | 0.XXX | ±.050   |              | cat. no.                       | SEE TABLE | Product - Customer Drw | sheet 7 of 11 |
| ISO 1302      | angular                               | 0°    | ±°      |              |                                |           |                        |               |

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10135223 1201 1110 1201F  
E NOTE 17)  
E SHEET 1

Preliminary

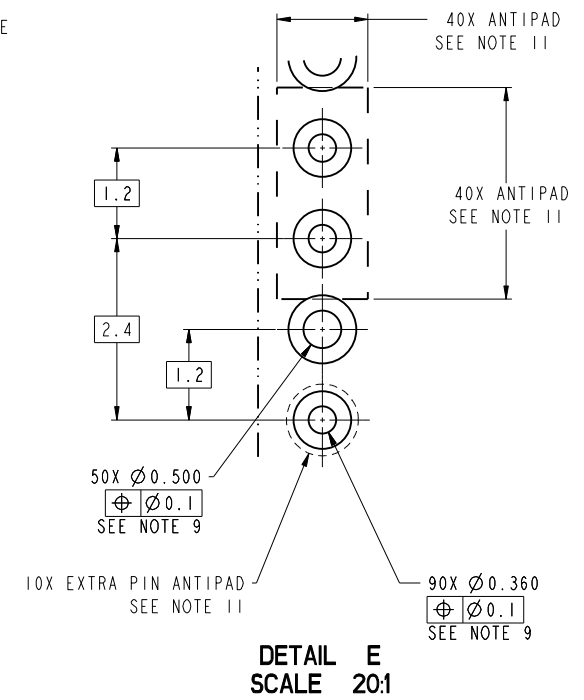
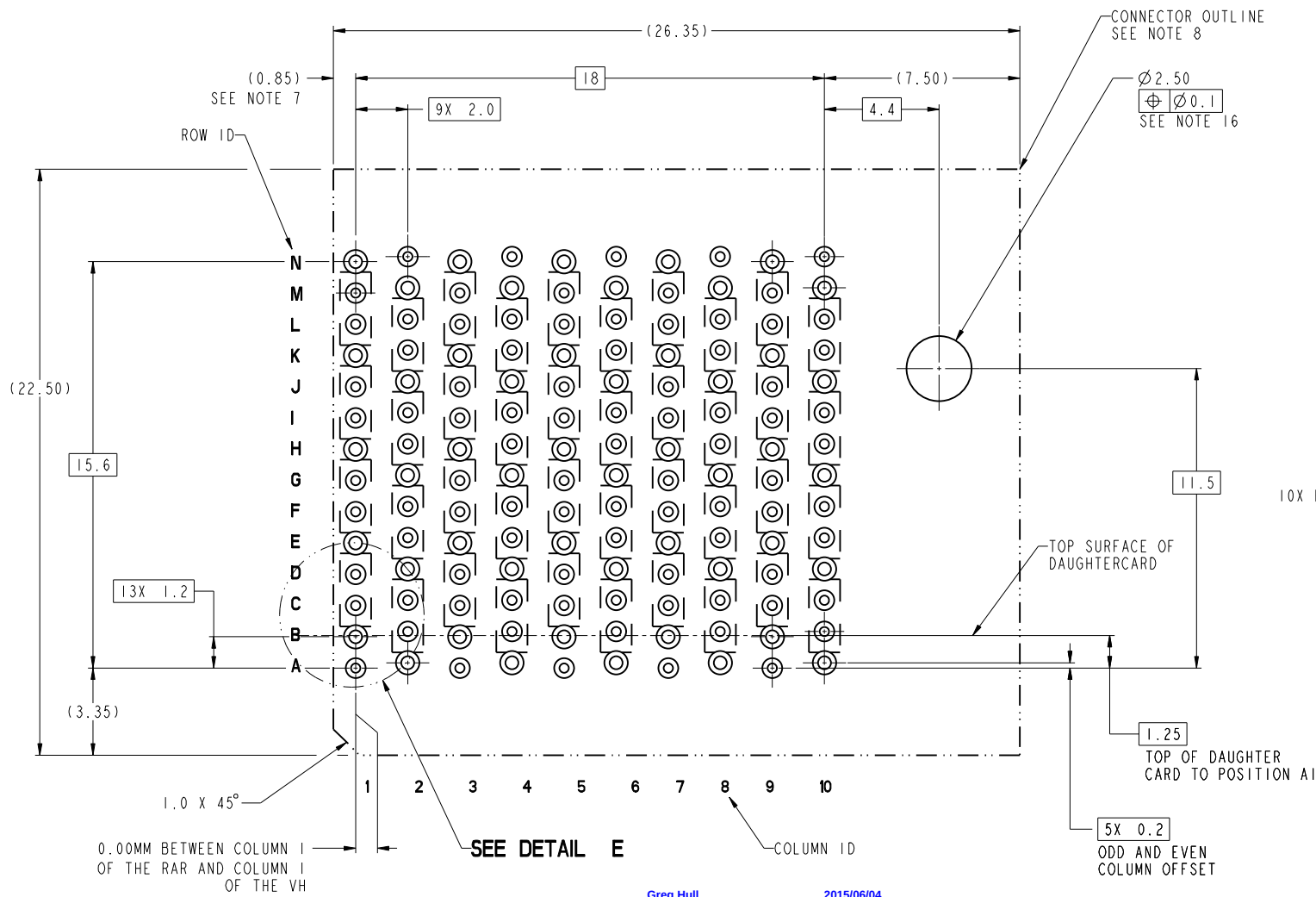
|               |         |                                       |       |                 |                                |            |                                                                                       |                                                                                       |           |               |   |
|---------------|---------|---------------------------------------|-------|-----------------|--------------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|---------------|---|
| spec ref      |         | SEE NOTES                             |       | dr              | G. HULL                        | 2015-07-09 | projection                                                                            | MM                                                                                    | size      | A2            |   |
| tolerance std |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng             | G. HULL                        | 2015-07-09 |  |  | ech no    |               | 2 |
| ISO 406       |         |                                       |       | chr             | G. HULL                        | 2015-07-09 |                                                                                       |                                                                                       | rel level |               |   |
| ISO 1101      |         |                                       |       | appr            |                                |            | product family                                                                        |                                                                                       | ExaMAX    |               |   |
| surface       | linear  | 0.X                                   | ±.3   | Amphenol<br>FCI | ExaMAX VERTICAL HEADER ASSY    |            |                                                                                       |                                                                                       |           | 10135223      | 2 |
|               |         | 0.XX                                  | ±.10  |                 | 4 PR, 85 Ohm, 140 POS, 10 IMLA |            |                                                                                       |                                                                                       |           |               |   |
|               |         | 0.XXX                                 | ±.050 |                 | cat. no.                       |            |                                                                                       |                                                                                       |           |               |   |
|               |         | 0°                                    | ±°    |                 | SEE TABLE                      |            |                                                                                       |                                                                                       |           |               |   |
| ISO 1302      | angular | 0°                                    | ±°    |                 | Product - Customer Drw         |            |                                                                                       |                                                                                       |           | sheet 8 of 11 |   |

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RECOMMENDED  
1013522

COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16

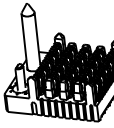
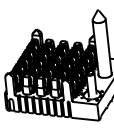
Preliminary

|               |                                       |              |                             |                                |                |          |           |    |
|---------------|---------------------------------------|--------------|-----------------------------|--------------------------------|----------------|----------|-----------|----|
| spec ref      | SEE NOTES                             | dr           | G. HULL                     | 2015-07-09                     | projection     | MM       | size      | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng          | G. HULL                     | 2015-07-09                     | product family | ExaMAX   | ech no    | 2  |
| ISO 406       |                                       | chr          | G. HULL                     | 2015-07-09                     |                |          | rel level |    |
| ISO 1101      |                                       | appr         |                             |                                |                |          |           |    |
| surface       | linear                                | Amphenol FCI | ExaMAX VERTICAL HEADER ASSY | 4 PR, 85 Ohm, 140 POS, 10 IMLA | ang no         | 10135223 | rev       | 2  |
| ISO 1302      | angular                               | cat. no.     | SEE TABLE                   | Product - Customer Drw         | sheet          | 9 of 11  |           |    |

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10135223 - Y Y Y L F

| ASSEMBLY<br>PART<br>NUMBER | DESCRIPTION                  |
|----------------------------|------------------------------|
| 10135223-1YYLF             | STANDARD MATE                |
| 10135223-2YYLF             | ADVANCED MATE                |
| 10135223-3YYLF             | SHORT DETECT                 |
| 10135223-4YYLF             | ADVANCED MATE & SHORT DETECT |

| MODULE<br>DESCRIPTION                        | DESIGNATION REPRESENTED IN DASH NUMBER                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | BASE<br>MODULE                                                                      |
|----------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| STANDARD<br>NO GUIDANCE<br>(SEE SHEET 1)     | 01                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |
| RIGHT<br>GUIDANCE<br>MODULE<br>(SEE SHEET 6) | 1A                                                                                 | 1B                                                                                  | 1C                                                                                  | 1D                                                                                  | 1E                                                                                  | 1F                                                                                  | 1G                                                                                  | 1H                                                                                  | 1J<br>(NO KEY)                                                                      |  |
|                                              |  |  |  |  |  |  |  |  |  |                                                                                     |
| LEFT<br>GUIDANCE<br>MODULE<br>(SEE SHEET 8)  | 2A                                                                                 | 2B                                                                                  | 2C                                                                                  | 2D                                                                                  | 2E                                                                                  | 2F                                                                                  | 2G                                                                                  | 2H                                                                                  | 2J<br>(NO KEY)                                                                      |  |
|                                              |  |  |  |  |  |  |  |  |  |                                                                                     |

Greg Hull 2015/06/04

Peng-Bing Fu 2016/04/06

Preliminary

|               |                                       |             |  |                 |                                |            |                                                                                       |                                                                                       |           |                |   |
|---------------|---------------------------------------|-------------|--|-----------------|--------------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|----------------|---|
| spec ref      | SEE NOTES                             |             |  | dr              | G. HULL                        | 2015-07-09 |  |  | size      | A2             |   |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |             |  | eng             | G. HULL                        | 2015-07-09 |                                                                                       |                                                                                       | ech no    |                | 2 |
| ISO 406       |                                       |             |  | chr             | G. HULL                        | 2015-07-09 |                                                                                       |                                                                                       | rel level |                |   |
| ISO 1101      |                                       |             |  | appr            |                                |            |                                                                                       |                                                                                       |           |                |   |
|               |                                       |             |  | product family  |                                |            |                                                                                       | ExaMAX                                                                                |           | rel level      |   |
| surface       | linear                                | 0.X ±.3     |  | Amphenol<br>FCI | ExaMAX VERTICAL HEADER ASSY    |            |                                                                                       |                                                                                       | ang no    | 10135223       |   |
|               |                                       | 0.XX ±.10   |  |                 | 4 PR, 85 Ohm, 140 POS, 10 IMLA |            |                                                                                       |                                                                                       |           |                |   |
|               |                                       | 0.XXX ±.050 |  |                 |                                |            |                                                                                       |                                                                                       |           |                |   |
|               |                                       | 0° ±°       |  |                 |                                |            |                                                                                       |                                                                                       |           |                |   |
| ISO 1302      | angular                               | 0° ±°       |  | cat. no.        |                                | SEE TABLE  |                                                                                       | Product - Customer Drw                                                                |           | sheet 10 of 11 |   |

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Case File - MEV E - 2016-02-1

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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moschip.ru\_4

moschip.ru\_6

moschip.ru\_9