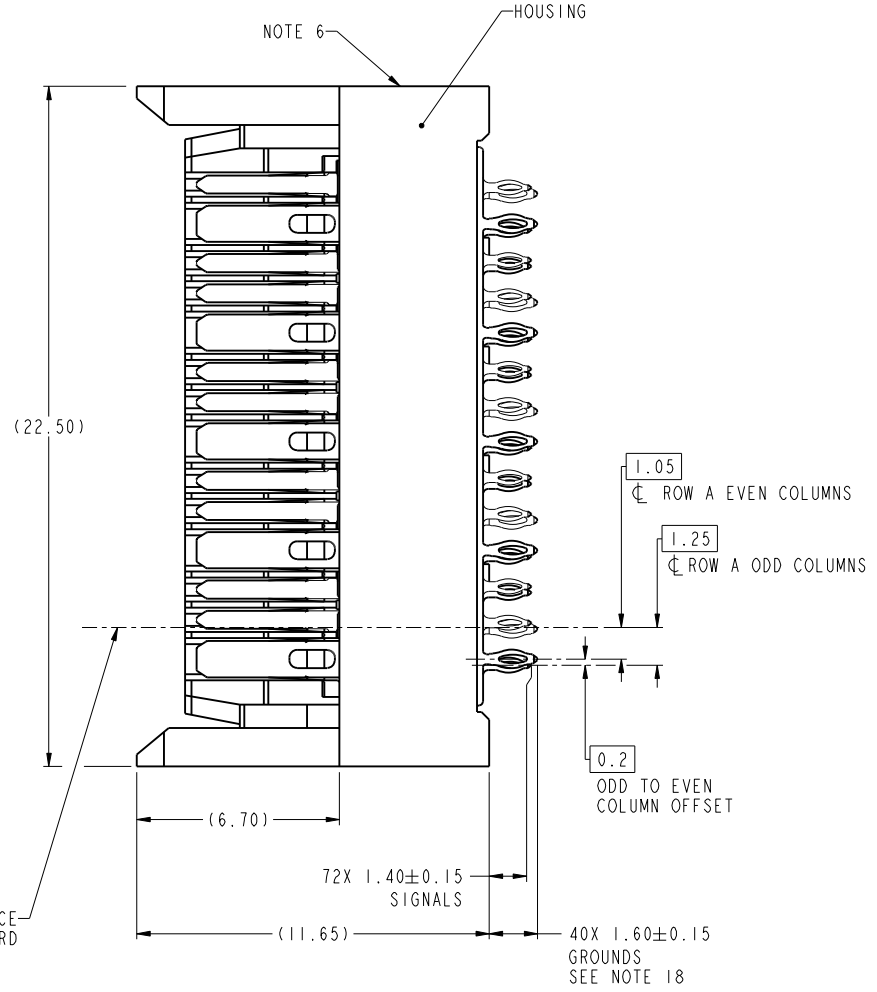
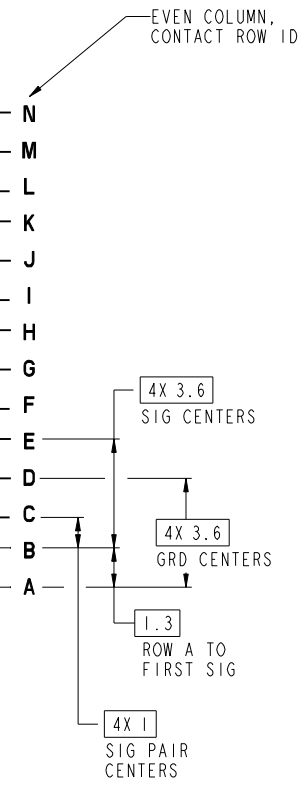
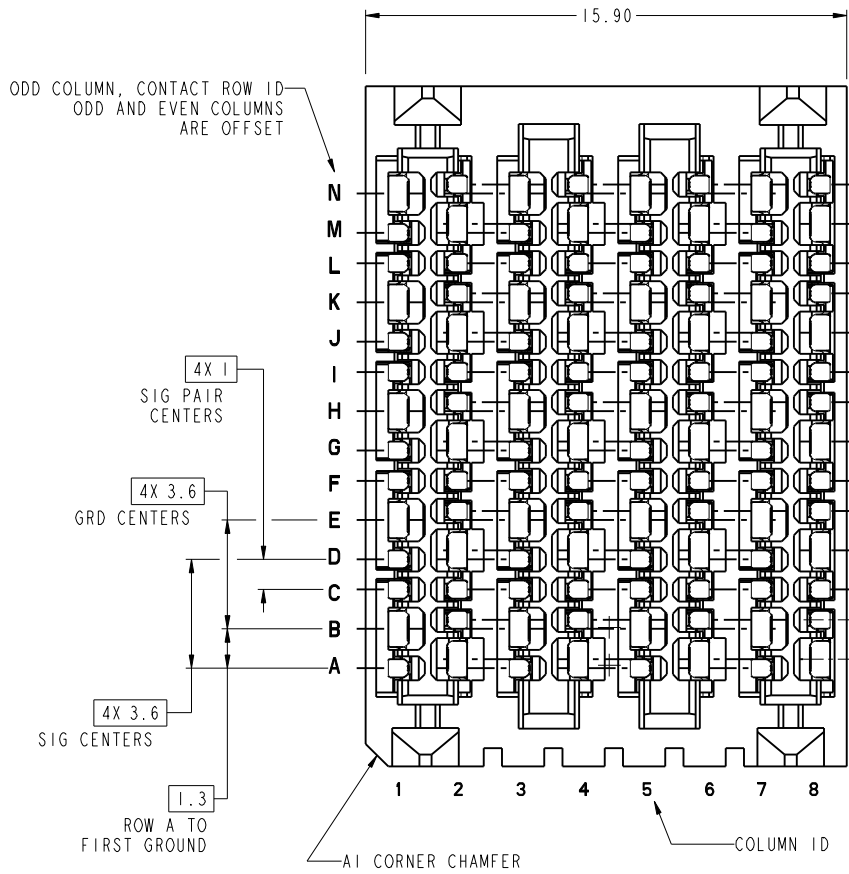


PRODUCT NUMBER
SEE SHEET 16



10135222-Y01LF
(10135222-101LF STANDARD MATE CONNECTOR SHOWN)

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

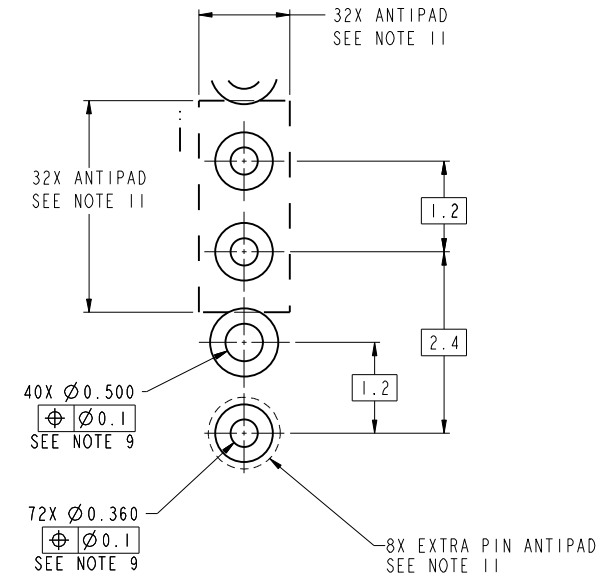
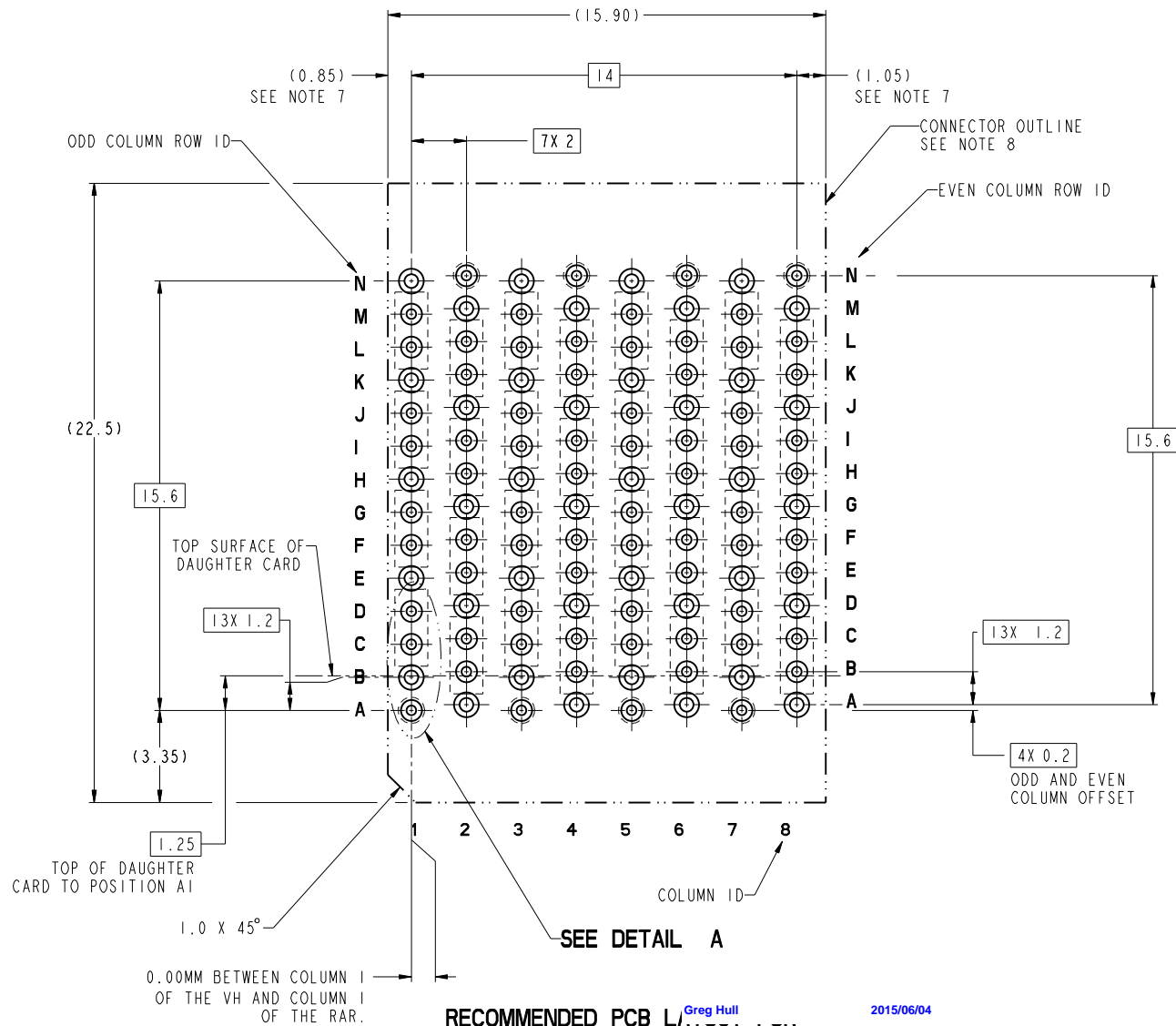
Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|-------|---------|------------|------------------------------------|--------|-------------------------|---------------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | rel level | |
| surface | linear | 0.X | ±.3 | | ExaMAX VERTICAL HEADER ASSY | | ang no | 10135222 |
| | | 0.XX | ±.10 | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | rev | 2 |
| | | 0.XXX | ±.050 | | SEE TABLE | | Product - Customer Draw | sheet 1 of 11 |
| ISO 1302 | angular | 0° | ±° | col. no. | SEE TABLE | | | |

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DETAIL A
SCALE 20:1

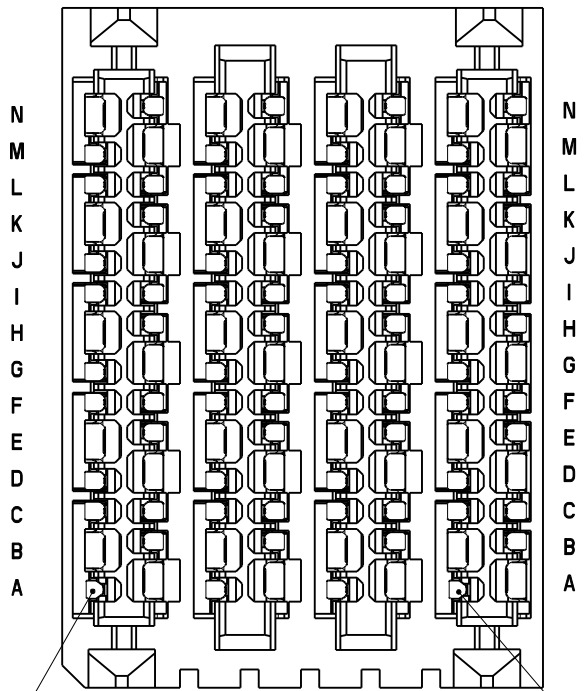
RECOMMENDED PCB LAYER STACKUP
 10135222-Y01LF COMPO
 NOTES 7, 8, 9, 10
 Greg Hull 2015/06/04
 Peng-Bing Fu 2016/04/06

Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|-------|---------|------------|--|--------------------|-----------|---------------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | 0.X | ±.3 | | ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 112 POS, 8 IMLA col. no. SEE TABLE | eng no 10135222 | rev 2 | sheet 2 of 11 |
| | | 0.XX | ±.10 | | | | | |
| | | 0.XXX | ±.050 | | | | | |
| ISO 1302 | angular | 0° | ±° | | Product - Customer Draw | | | |

1 2 3 4 5 6 7 8

A
B
C
D
E
F



ADVANCED MATE POSITION A1
SEE NOTE 13

ADVANCED MATE POSITION A7
SEE NOTE 13

10135222-201LF

OR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
FCI SHEETS 1 & 2

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

Preliminary

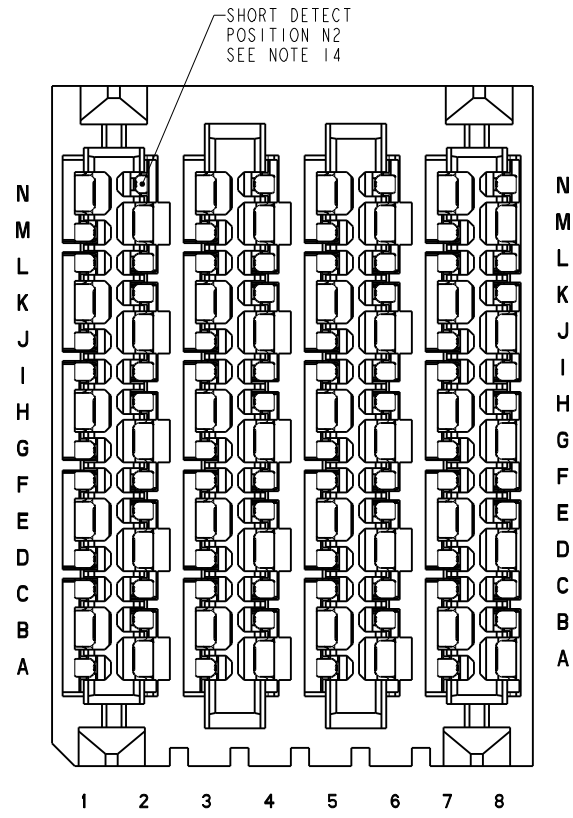
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| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 | |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | | |
| ISO 1101 | | appr | | | product family | ExaMAX | | | |
| surface | linear | 0.X | ±.3 | | title | | ExaMAX VERTICAL HEADER ASSY | ang no | 10135222 |
| | | 0.XX | ±.10 | | part no. | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | rev | 2 |
| ISO 1302 | angular | 0° | ±° | col. no. | SEE TABLE | Product - Customer Drw | sheet 3 of 11 | | |

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1 2 3 4 5 6 7 8

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FCI

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FCI

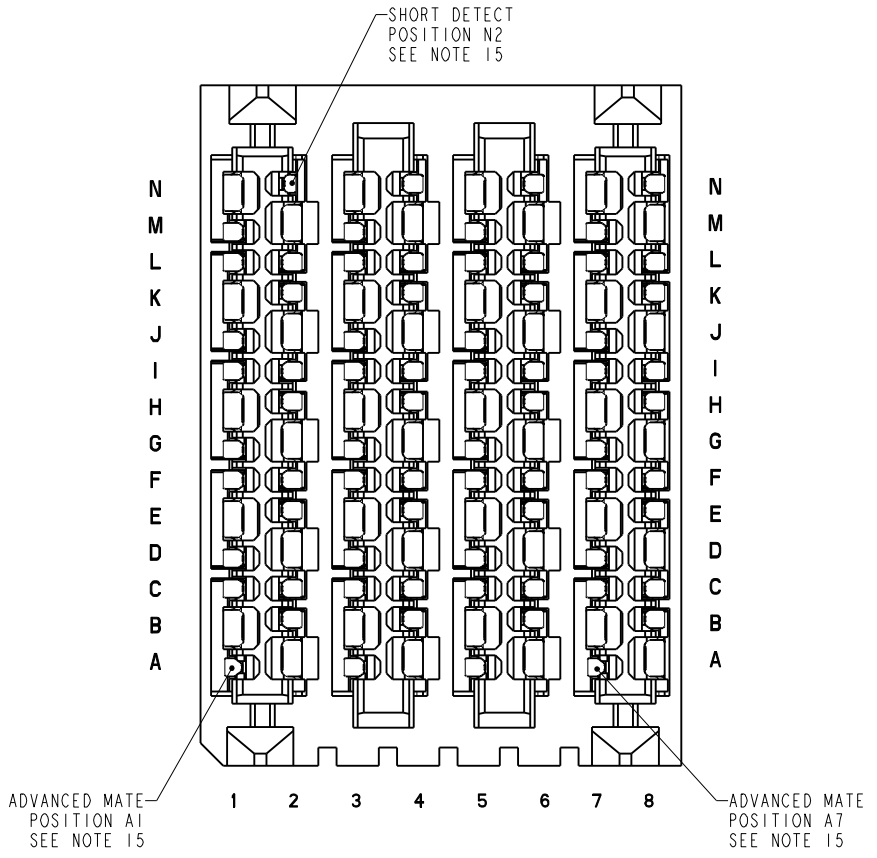


10135222 001 F
 Greg Hull 2015/06/04
 SHORT DETECT CONNECTOR
 Peng-Bing Fu 2016/04/06
ONLY
FOR - E - ETS 1 & 2

Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|-------|---------|---------------------|--|------------------------|---------------|----|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | 0.X | ±.3 | Amphenol FCI | ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 112 POS, 8 IMLA | ang no 10135222 | rev no 2 | |
| | | 0.XX | ±.10 | | | | | |
| | | 0.XXX | ±.050 | | | | | |
| ISO 1302 | angular | 0° | ±° | cat. no. | SEE TABLE | Product - Customer Drw | sheet 4 of 11 | |

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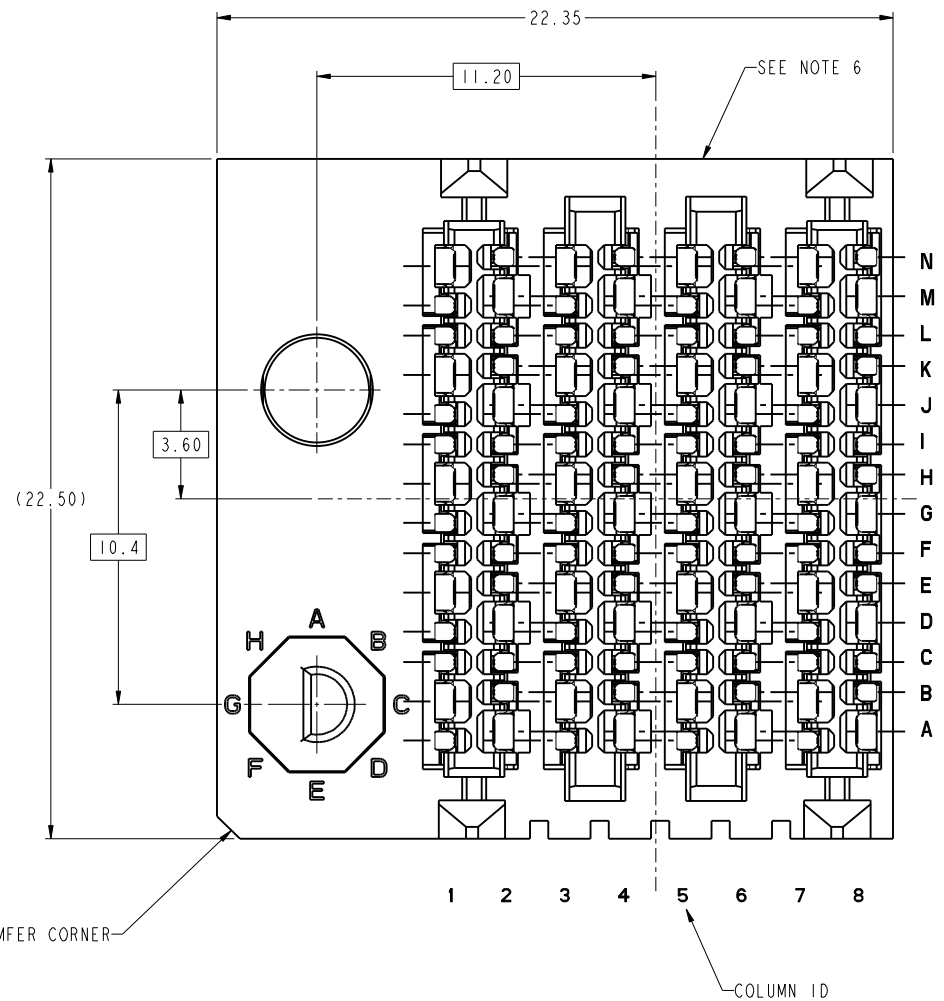
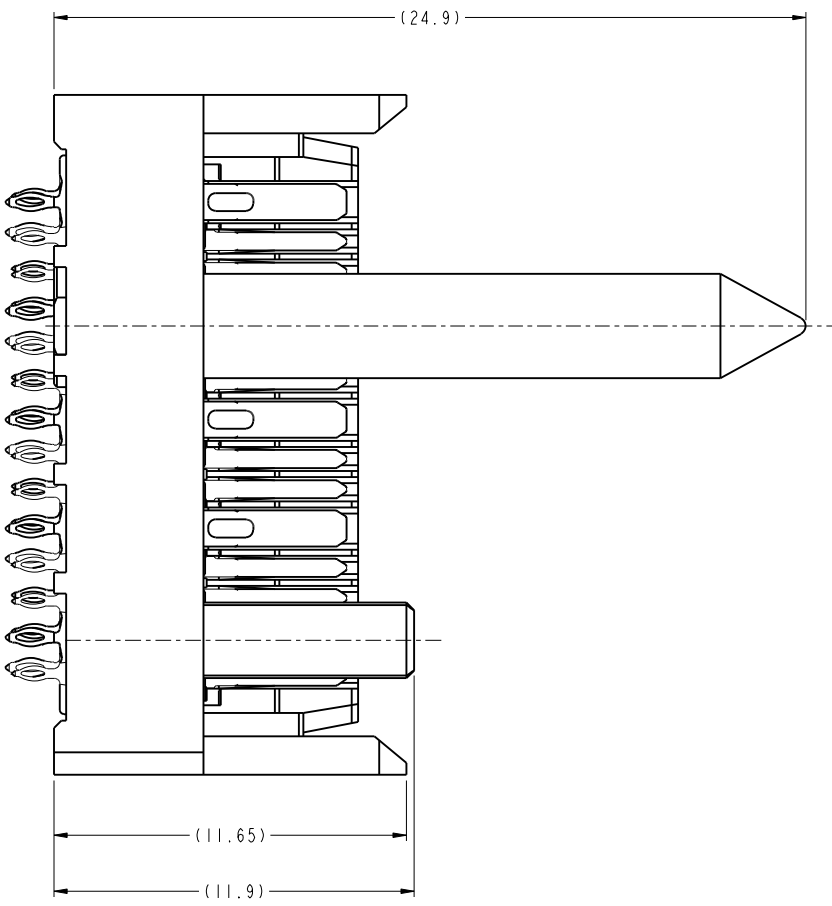


10135222-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 SHORT DETECT POSITION IS N2 ONLY

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

Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|-------|---------|------------|--------------------------------------|------------------------|--------------------|----------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | 0.X | ±.3 | | title ExaMAX VERTICAL HEADER ASSY | | ang no 10135222 | rev 2 |
| | | 0.XX | ±.10 | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | | |
| | | 0.XXX | ±.050 | cat. no. | SEE TABLE | Product - Customer Drw | sheet 5 of 11 | |
| ISO 1302 | angular | 0° | ±° | | | | | |



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

F
 NOTE 17)
 SHEET 1

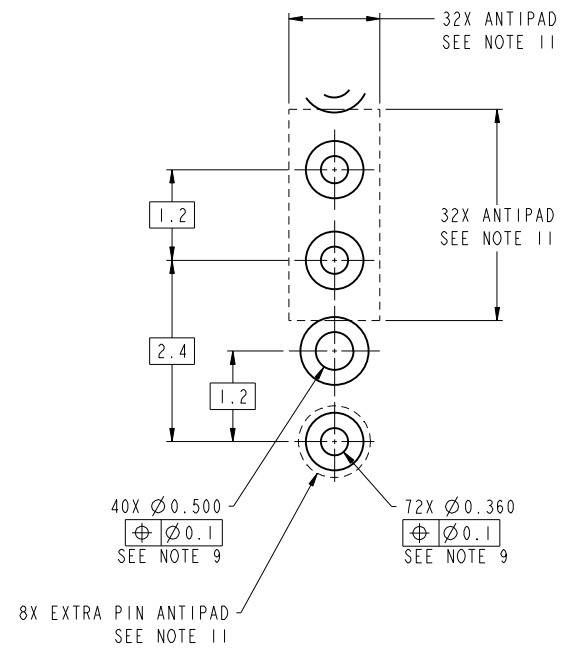
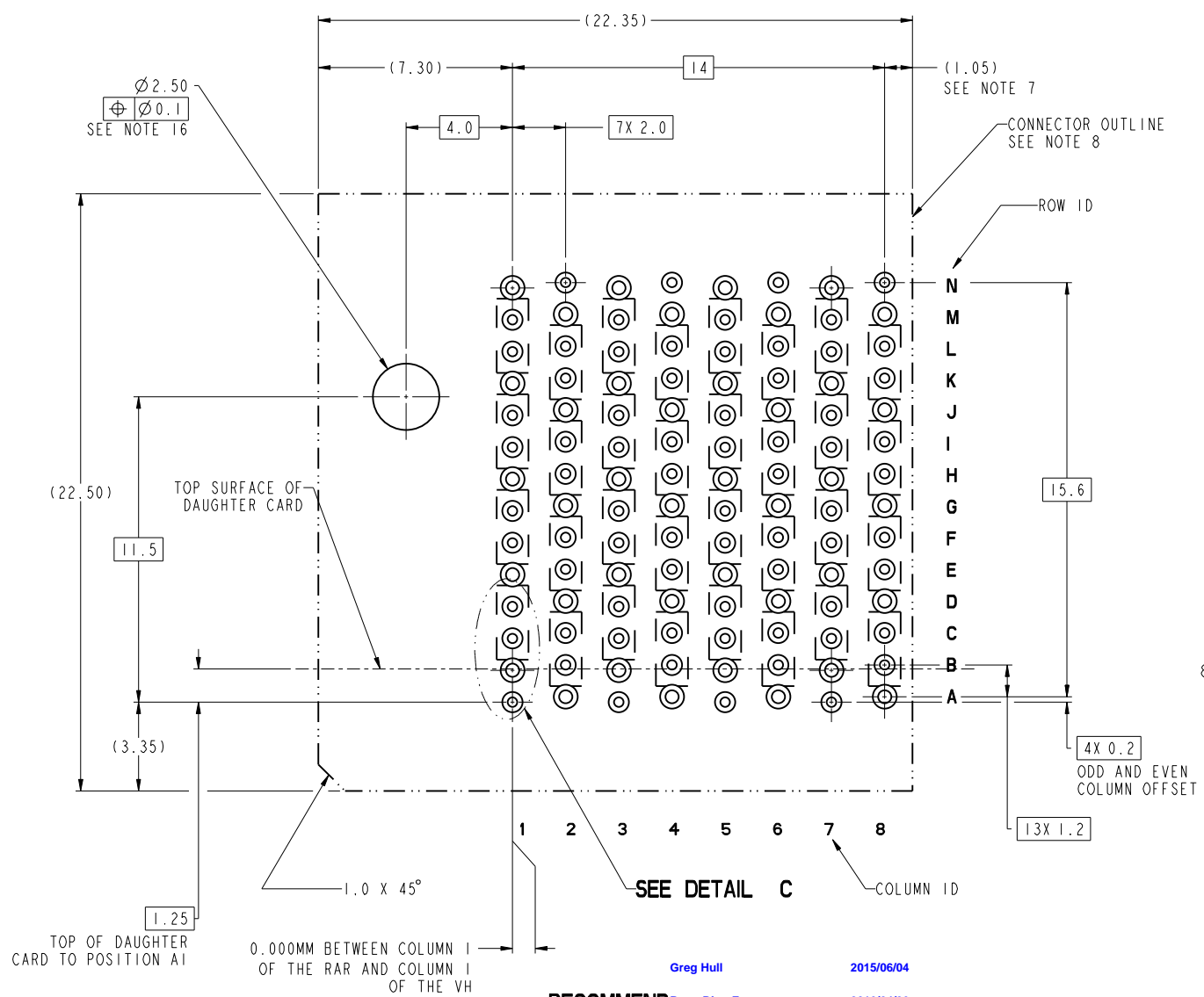
Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|-------|---------|------------|------------------------------------|--------------------|--------------------|--------------------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | 0.X | ±.3 | | ExaMAX VERTICAL HEADER ASSY | | eng no | 10135222 |
| | | 0.XX | ±.10 | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | rev | 2 |
| | | 0.XXX | ±.050 | | SEE TABLE | | col. no. | |
| ISO 1302 | angular | 0° | ±° | | Product - Customer | Product - Customer | Product - Customer | Product - Customer |

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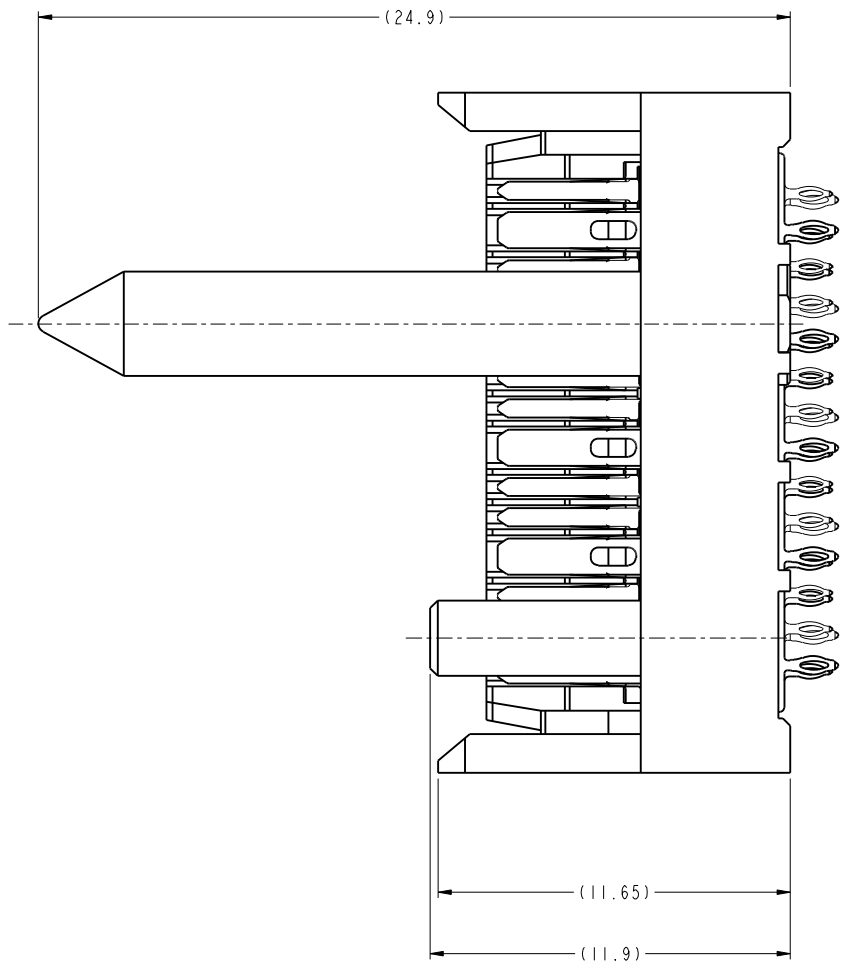
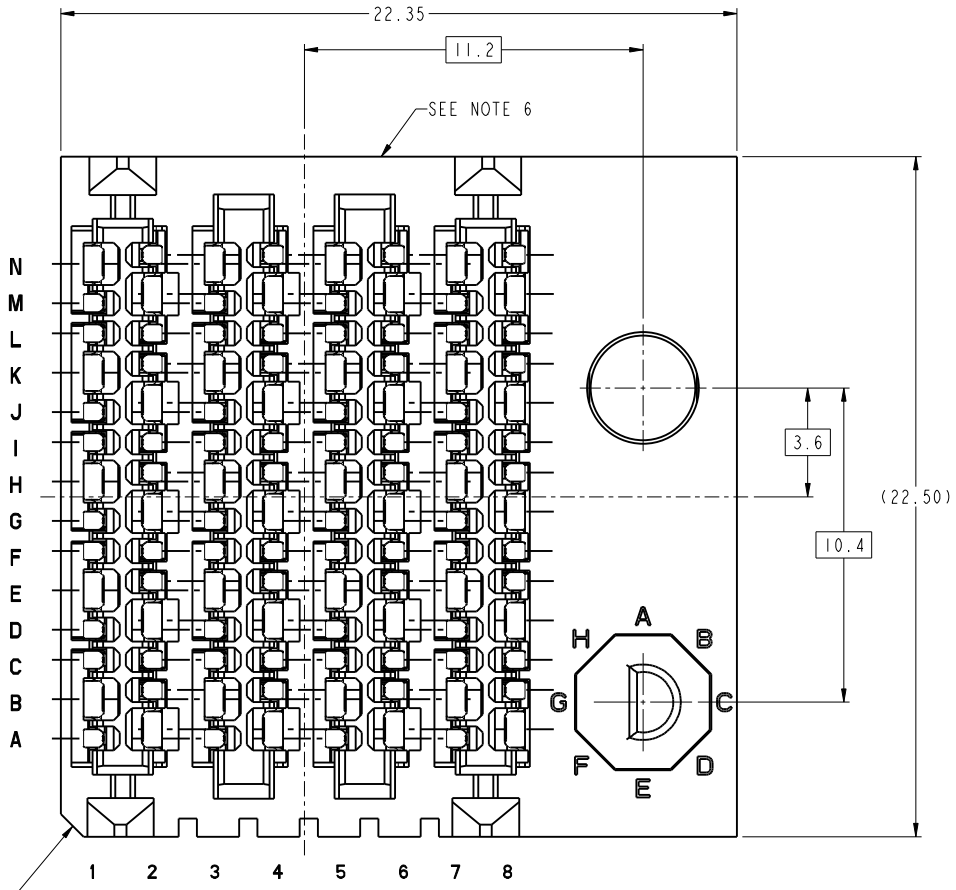


DETAIL C
SCALE 20:1

Greg Hull 2015/06/04
RECOMMEND Peng-Bing Fu 2016/04/06
10135222-Y1
COM
SEE NOTE

Preliminary

| | | | | | | | | | |
|---------------|---------------------------------------|-------|---------|-------------------------------|------------|-----------------------------|----------------|---------------|----------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 | |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | | |
| ISO 1101 | | appr | | | | | product family | ExaMAX | |
| surface | linear | 0.x | ±.3 | Amphenol FCI | | ExaMAX VERTICAL HEADER ASSY | | ang no | 10135222 |
| | | 0.xx | ±.10 | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | rev | | 2 | |
| | | 0.xxx | ±.050 | SEE TABLE | | Product - Customer Drw | | sheet 7 of 11 | |
| ISO 1302 | angular | 0° | ±° | | | | | | |



Greg Hull 2015/06/04
 Peng-Bing Fu 2016/04/06
 SEE NOTE 17)
 SEE SHEET 1

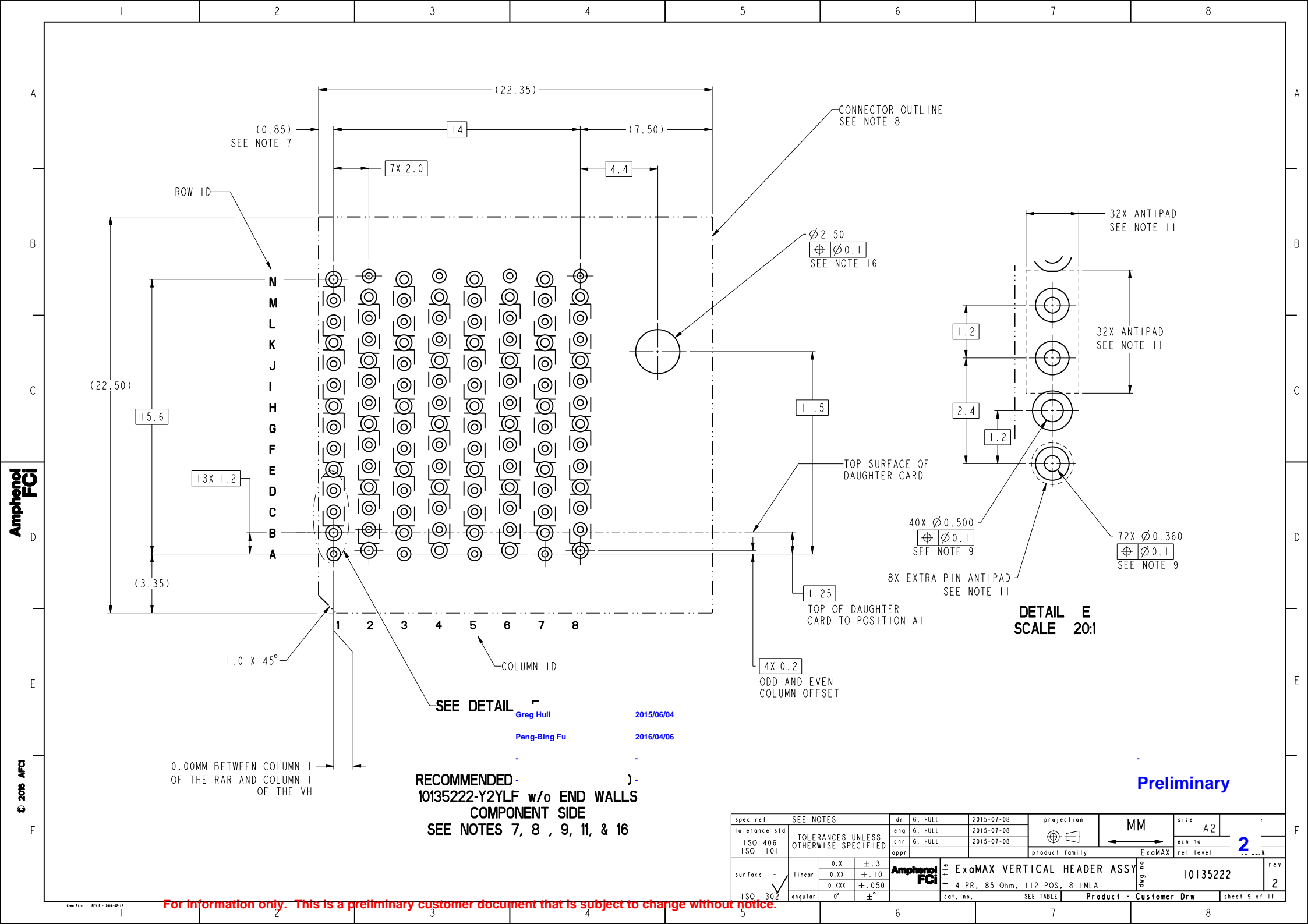
Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|-------|---------|------------|------------------------------------|--------|-----------|----------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | 0.X | ±.3 | | ExaMAX VERTICAL HEADER ASSY | | ang no | 10135222 |
| | | 0.XX | ±.10 | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | rev | 2 |
| | | 0.XXX | ±.050 | | SEE TABLE | | cat. no. | |
| ISO 1302 | angular | 0° | ±° | | Product - Customer Drw | sheet | 8 of 11 | |

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F

0.00MM BETWEEN COLUMN 1 OF THE RAR AND COLUMN 1 OF THE VH

RECOMMENDED -
10135222-Y2YLF w/o END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

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

CONNECTOR OUTLINE
 SEE NOTE 8

Ø 2.50
 Ø 0.1
 SEE NOTE 16

TOP SURFACE OF
 DAUGHTER CARD

1.25
 TOP OF DAUGHTER
 CARD TO POSITION A1

4X 0.2
 ODD AND EVEN
 COLUMN OFFSET

40X Ø 0.500
 Ø 0.1
 SEE NOTE 9

8X EXTRA PIN ANTI PAD
 SEE NOTE 11

32X ANTI PAD
 SEE NOTE 11

32X ANTI PAD
 SEE NOTE 11

72X Ø 0.360
 Ø 0.1
 SEE NOTE 9






















DETAIL E
SCALE 20:1

Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|--------------|---------|-------------------------------|----------------|----------|-----------|-------------------------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | Amphenol FCI | | ExaMAX VERTICAL HEADER ASSY | | eng no | 10135222 | rev |
| ISO 1302 | angular | | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | col. no. | SEE TABLE | Product - Customer Draw |
| | | | | | | sheet | 9 of 11 | |

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

10135222 - Y Y Y L F

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

| ASSEMBLY PART NUMBER | DESCRIPTION |
|----------------------|------------------------------|
| 10135222-1YYLF | STANDARD MATE |
| 10135222-2YYLF | ADVANCED MATE |
| 10135222-3YYLF | SHORT DETECT |
| 10135222-4YYLF | ADVANCED MATE & SHORT DETECT |

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

Preliminary

| | | | | | | | | |
|---------------|---------------------------------------|------|---------|--------------|---|---|-----------|----------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 |  |  | ech no | 2 |
| ISO 406 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| ISO 1101 | | appr | | | product family | ExaMAX | | |
| surface | linear | 0.X | ±.3 | Amphenol FCI | title | ExaMAX VERTICAL HEADER ASSY | ang no | 10135222 |
| | | 0.XX | ±.10 | | | | | |
| | angular | 0° | ±° | cat. no. | SEE TABLE | Product - Customer Drw | sheet | 10 of 11 |

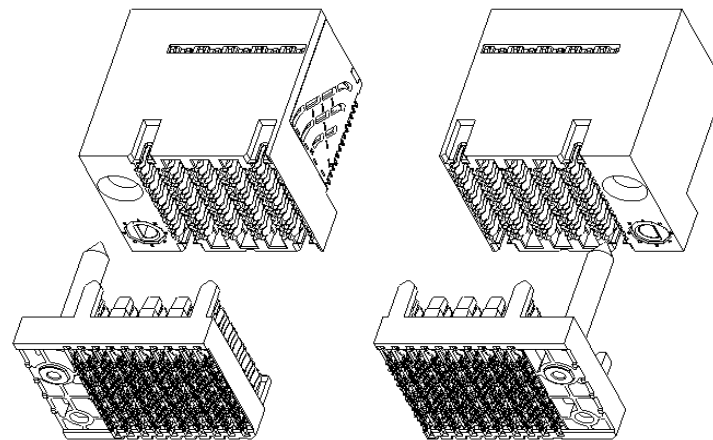
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Amphenol FCI

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NOTES

- 1 - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
CONTACT: COPPER ALLOY
GUIDE PIN: ZINC ALLOY
POLARIZING PIN: ZINC ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE
PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4 - APPLICATION SPECIFICATION: GS-20-0361
- 5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- 6 - PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- 7 - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS WILL BE 2.0 mm OR 3.0 mm AS DEFINED BY NOTE 7 ON THE MATING RECEPTACLE CUSTOMER DRAWING. REFER TO THE APPLICATION SPECIFICATION FOR DETAILS.
- 8 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
- 9 - REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 10 - THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
- 11 - REFER TO THE APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTHS, TRACE SPACING, ETC.
- 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- 13 - THE ADVANCED MATE HEADER, 10135222-2YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 14 - THE SHORT DETECT HEADER, 10135222-3YYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 15 - THE ADVANCED MATE/SHORT DETECT HEADER, 10135222-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75 MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 16 - FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, ONE PHILLIP SREW MUST BE USED TO SECURE GUIDE PIN /CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0 - 6.0MM PLUS THE THICKNESS OF THE BOARD. SCREW IS NOT PROVIDED.
- 17 - LEFT / RIGHT INTEGRATED GUIDE ORIENTATION IS DETERMINED BY THE LOCATION OF THE GUIDE FEATURES WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGLE RECEPTACLE THAT IT MATES WITH (i.e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE).
- 18 - ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.



LEFT GUIDE

RIGHT GUIDE

**ExaMAX INTEGRATED GUIDE ORIENTATION
4-PAIR 10-IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17**

Greg Hull 2015/06/04

Peng-Bing Fu 2016/04/06

Preliminary

| | | | | | | | | |
|---------------------|---------------------------------------|------|---|------------|----------------|-----------|------------------------|----------------|
| spec ref | SEE NOTES | dr | G. HULL | 2015-07-08 | projection | MM | size | A2 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | G. HULL | 2015-07-08 | | | ech no | 2 |
| ISO 406 ISO 1101 | | chr | G. HULL | 2015-07-08 | | | rel level | |
| surface | linear | appr | | | product family | ExaMAX | rel level | |
| ISO 1302 | 0.X ±.3 | | title ExaMAX VERTICAL HEADER ASSY | | ang no | 10135222 | rev | 2 |
| | 0.XX ±.10 | | 4 PR, 85 Ohm, 112 POS, 8 IMLA | | cat. no. | SEE TABLE | Product - Customer Drw | sheet 11 of 11 |
| | 0.XXX ±.050 | | | | | | | |
| | angular 0° ±° | | | | | | | |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.