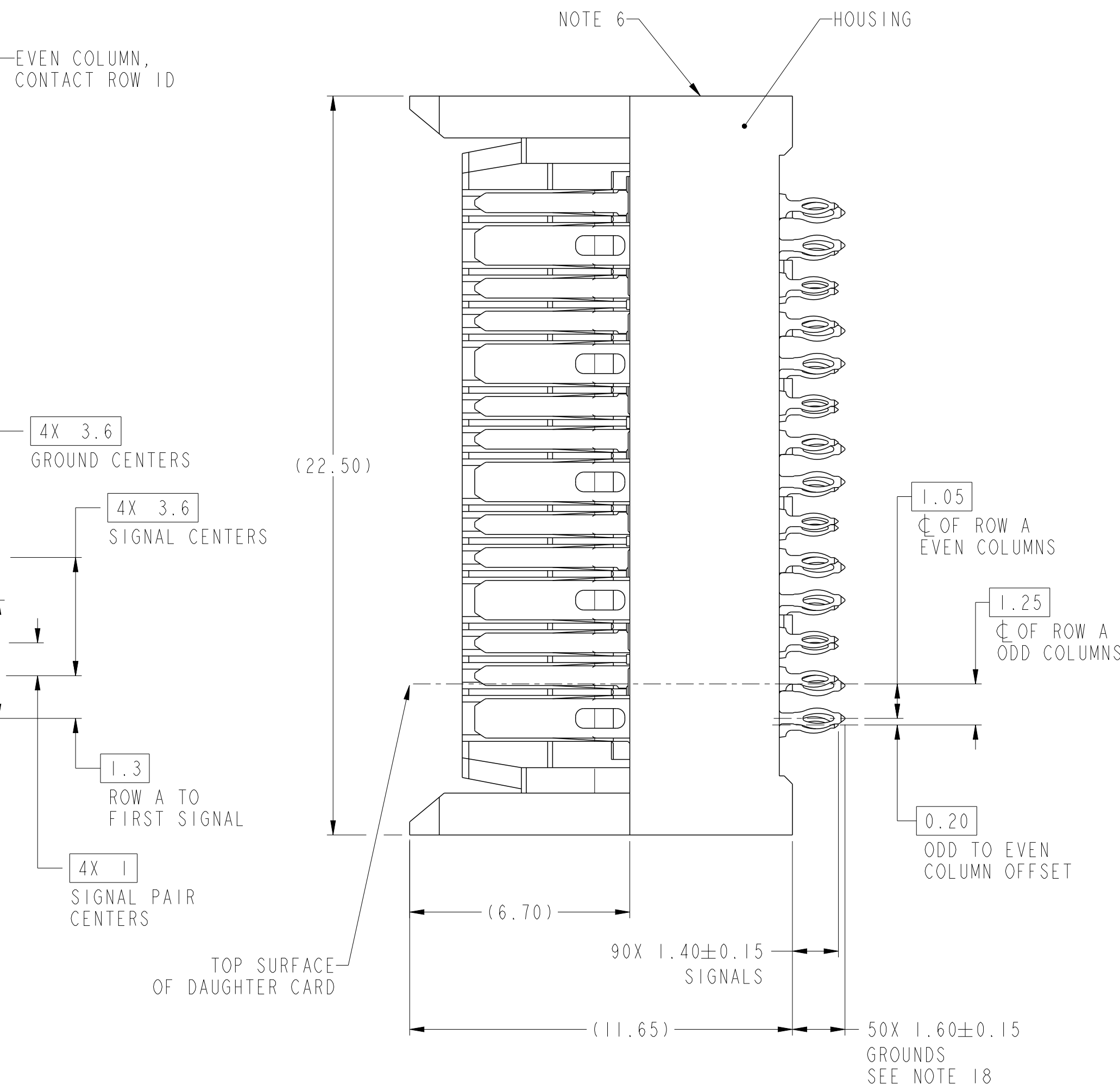
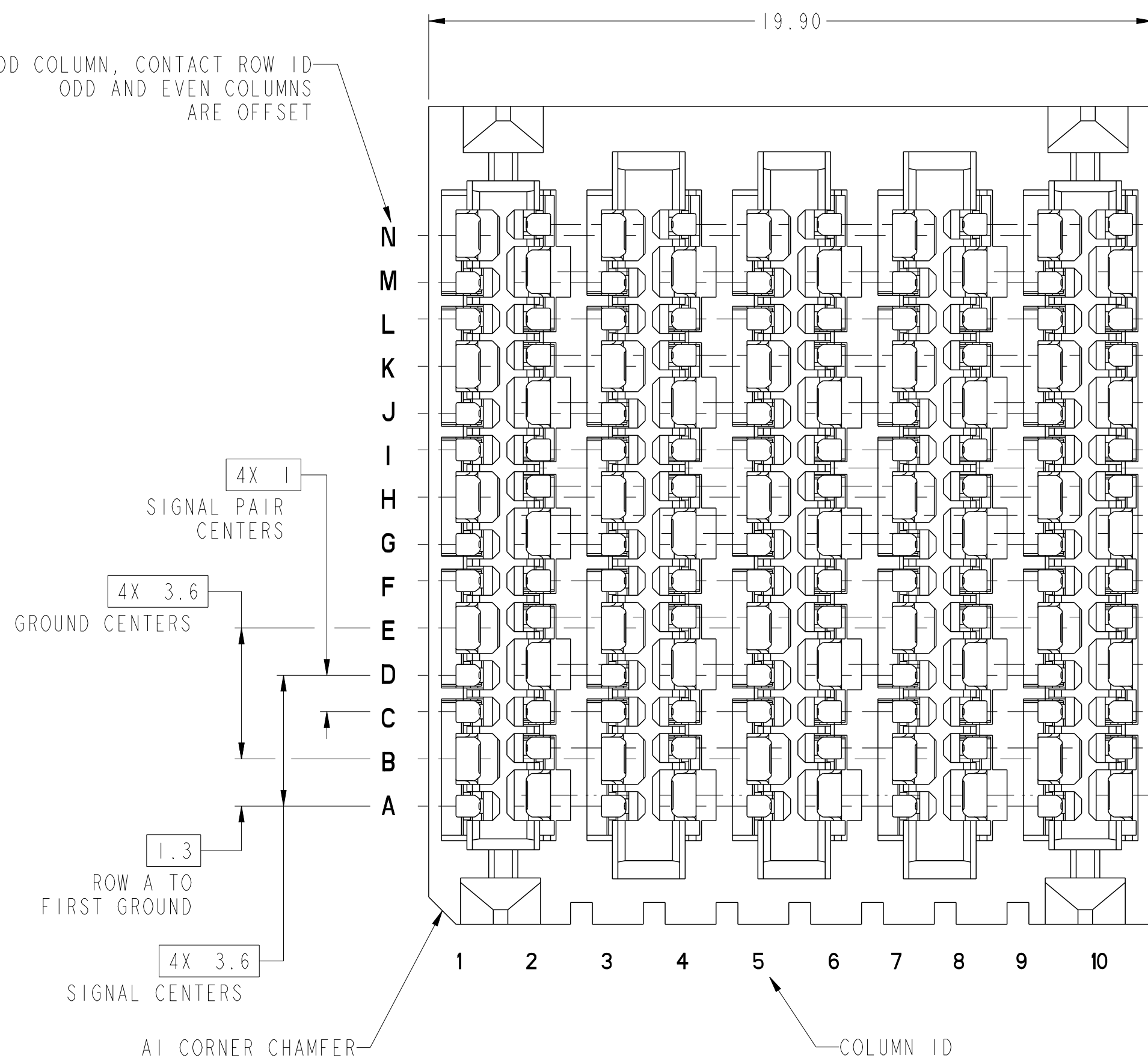





ODD COLUMN, CONTACT ROW ID-
ODD AND EVEN COLUMNS
ARE OFFSET

—EVEN COLUMN,
CONTACT ROW ID

NOTE 6—HOUSING



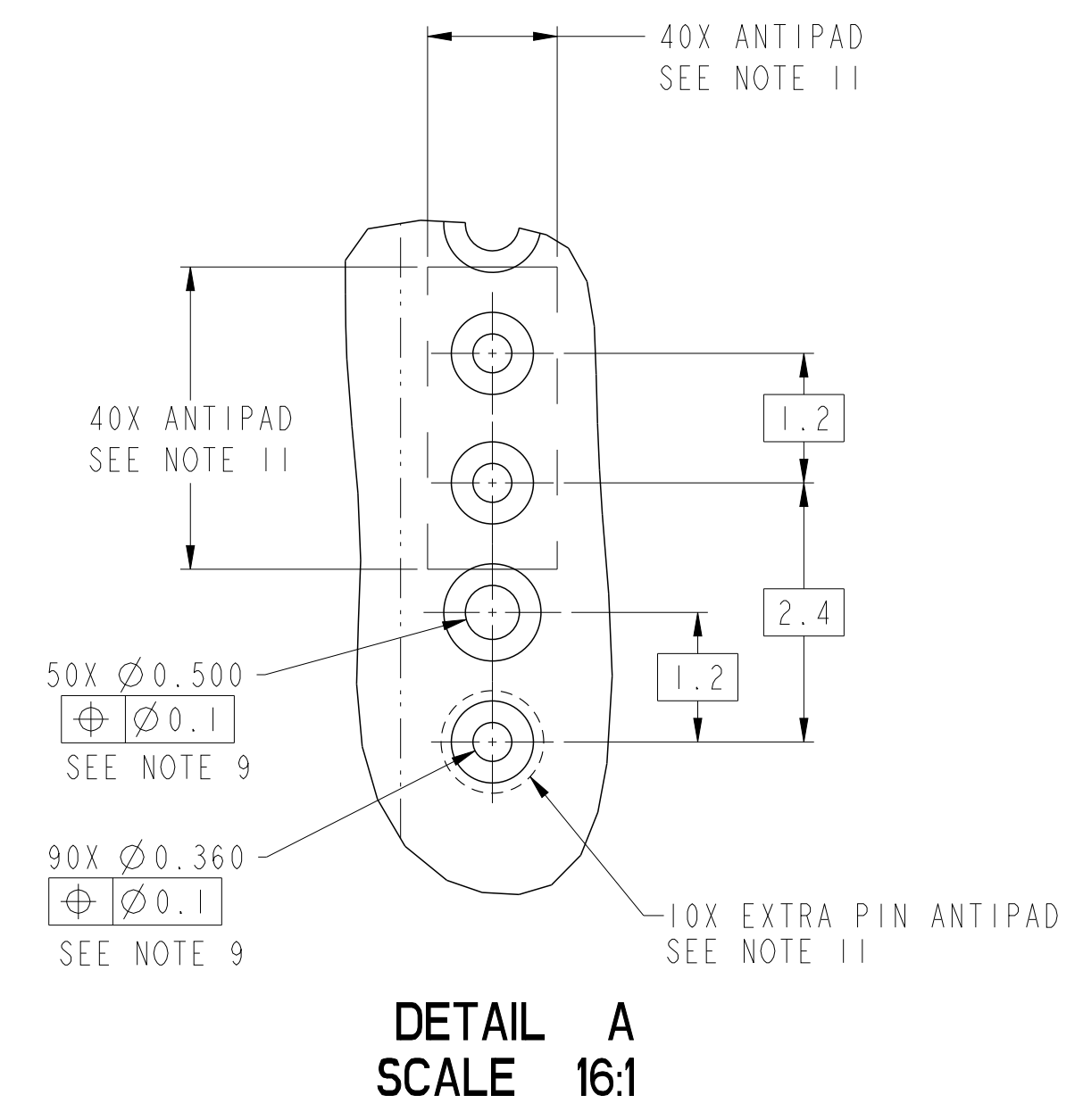
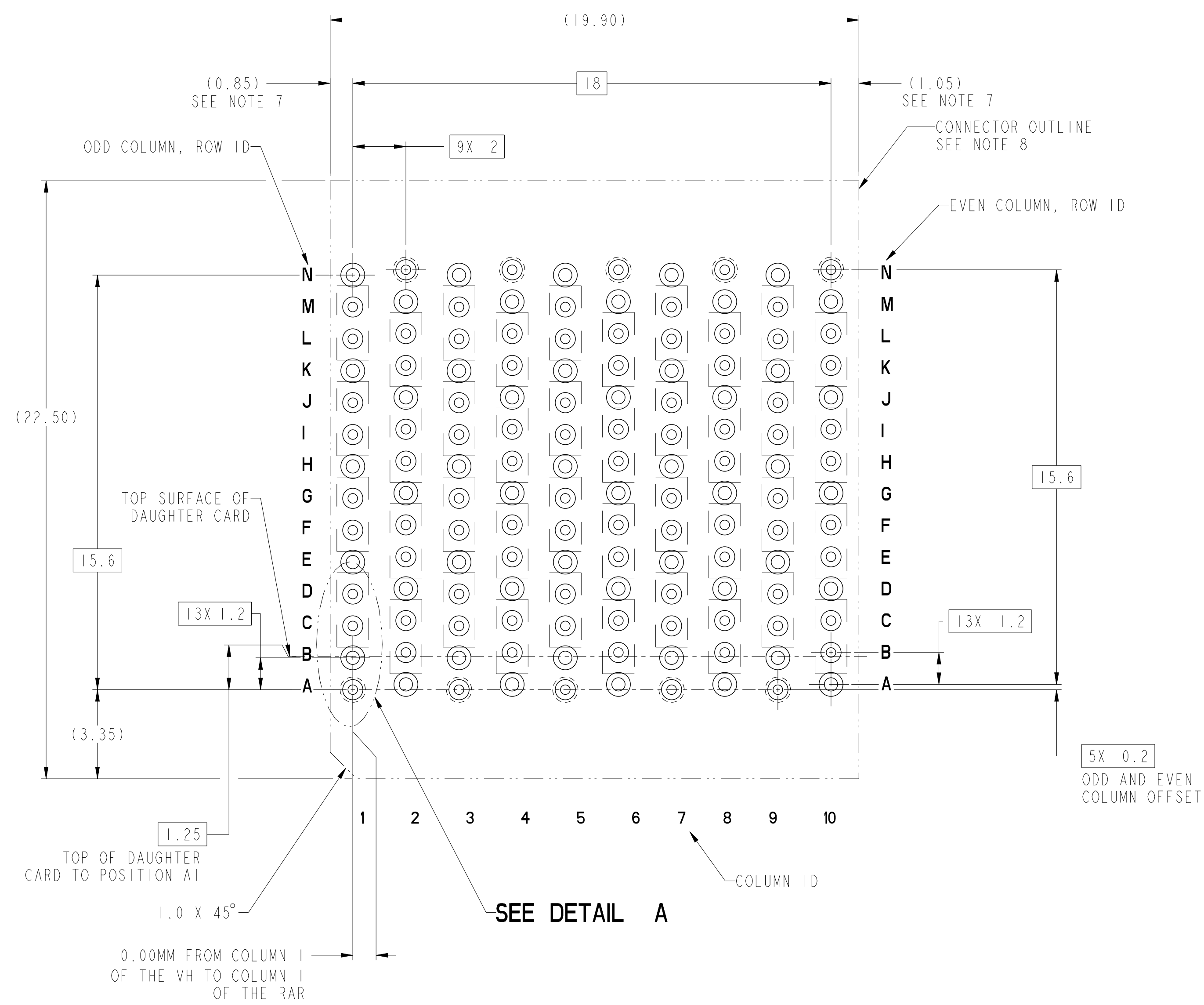
10126366-Y01LF
(10126366-101LF STANDARD MATE CONNECTOR SHOWN)

| | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------------|--|-------------------------------------|--|-----------------|--|------------|--|---|--|---|--|---------------|--|----------|--|-------|--|-----|--|
| spec ref | | SEE NOTES | | dr | | N Eppley | | 2013/06/22 | | projection | | MM | | size | | A2 | | scale | | 8:1 | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | | Peng-Bing Fu | | 2018/01/05 | |  | |  | | ecn no | | - | | - | | - | |
| ASME Y14.5M | | | | chr | | - | | - | | | | | | | | | | | | | |
| | | | | appr | | Heaven Cen | | 2018/01/05 | | product family | | ExaMAX | | rel level | | Released | | | | | |
| surface -  | | linear | | 0.X ±.3 0.XX ±.10 0.XXX ±.050 | | Amphenol FCI | | title | | ExaMAX VERTICAL HEADER ASSY | | dwg no | | 10126366 | | rev | | A | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | angular | | 0° ±° | | | | cat. no. | | SEE TABLE | | Product - Customer Drw | | sheet 1 of 11 | | | | | | | |

PDS: Rev :A

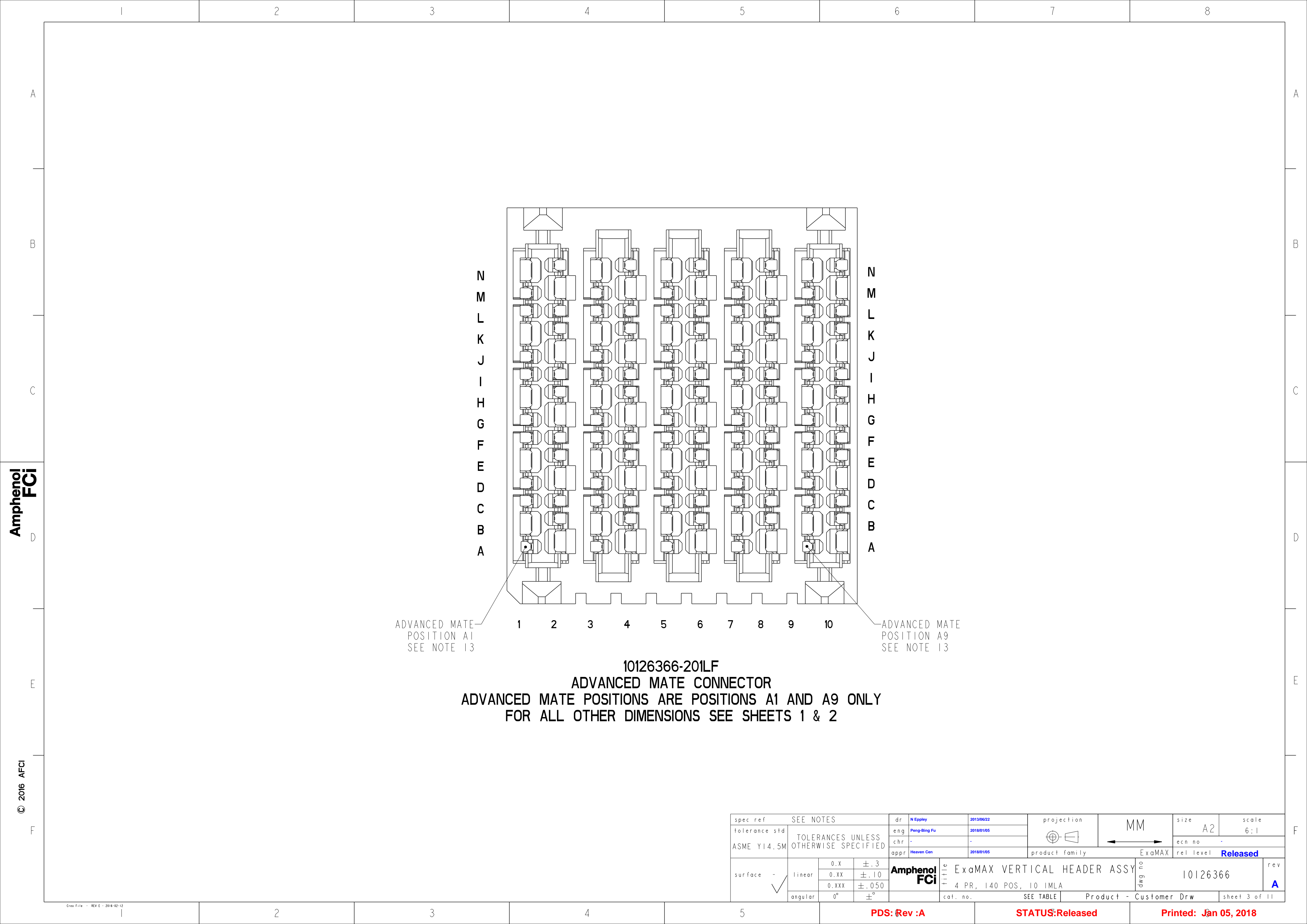
STATUS:Released

Printed: Jan 05, 2018






RECOMMENDED PCB LAYOUT FOR
10126366-Y01LF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

| | | | | | | | | | | |
|---------------|---------------------------------------|-------|--------------|--------------|----------------|-----------------------------|------------------------|---------------|-------|-----|
| spec ref | SEE NOTES | dr | N'Eppley | 2013/06/22 | projection | MM | size | A2 | scale | 3:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Peng-Bing Fu | 2018/01/05 | chr | - | ecn no | - | | |
| ASME Y14.5M | | appr | Heaven Cen | 2018/01/05 | product family | ExaMAX | rel level | Released | | |
| surface | linear | 0.X | ±.3 | Amphenol FCI | title | ExaMAX VERTICAL HEADER ASSY | dwg no | 10126366 | rev | A |
| | | 0.XX | ±.10 | | | 4 PR, 140 POS, 10 IMLA | | | | |
| | | 0.XXX | ±.050 | | | | | | | |
| | angular | 0° | ±° | | cat. no. | SEE TABLE | Product - Customer Drw | sheet 2 of 11 | | |



Amphenol
FCi

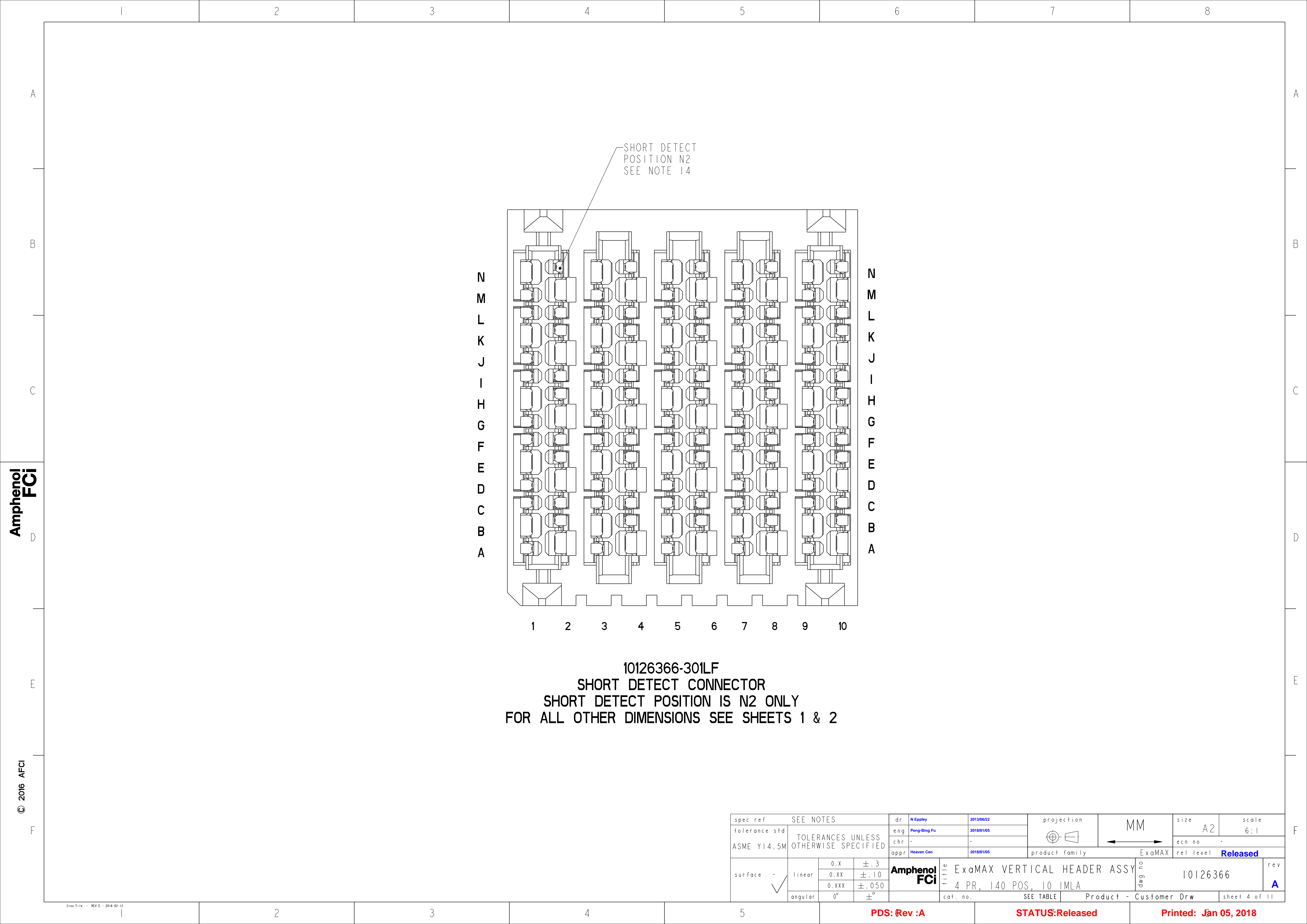
© 2016 AFCI

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---------------------------------------|--|---|------|--------|--------------|----------|------------|-----------|---|------------------------|---|-------|----------------|-----------------------------|----|--|-----------------------|--|-----|---------------|--------|--|--|--------|--|----------|--|-----|--|---|--|
| spec ref | | SEE NOTES | | | dr | | N Eppley | | 2013/06/22 | | projection | | MM | | size | | A2 | | scale | | 6:1 | | | | | | | | | | | | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | | Peng-Bing Fu | | 2018/01/05 | |  | |  | | ecn no | | - | | rel level Released | | | | | | | | | | | | | | |
| ASME Y14.5M | | | | | chr | | - | | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | appr | | Heaven Cen | | 2018/01/05 | | | | | | product family | | | | | | | | ExaMAX | | | | | | | | | | |
| surface | | - | |  | | linear | | 0.X | | ±.3 | | Amphenol FCi | | title | | ExaMAX VERTICAL HEADER ASSY | | | | | | | | | | dwg no | | 10126366 | | rev | | A | |
| | | 0.XX | | | | | | ±.10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.XXX | | | | | | ±.050 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | angular | | 0° | | ±° | | cat. no. | | SEE TABLE | | Product - Customer Drw | | | | | | | | | | sheet 3 of 11 | | | | | | | | | | | |

PDS: Rev :A

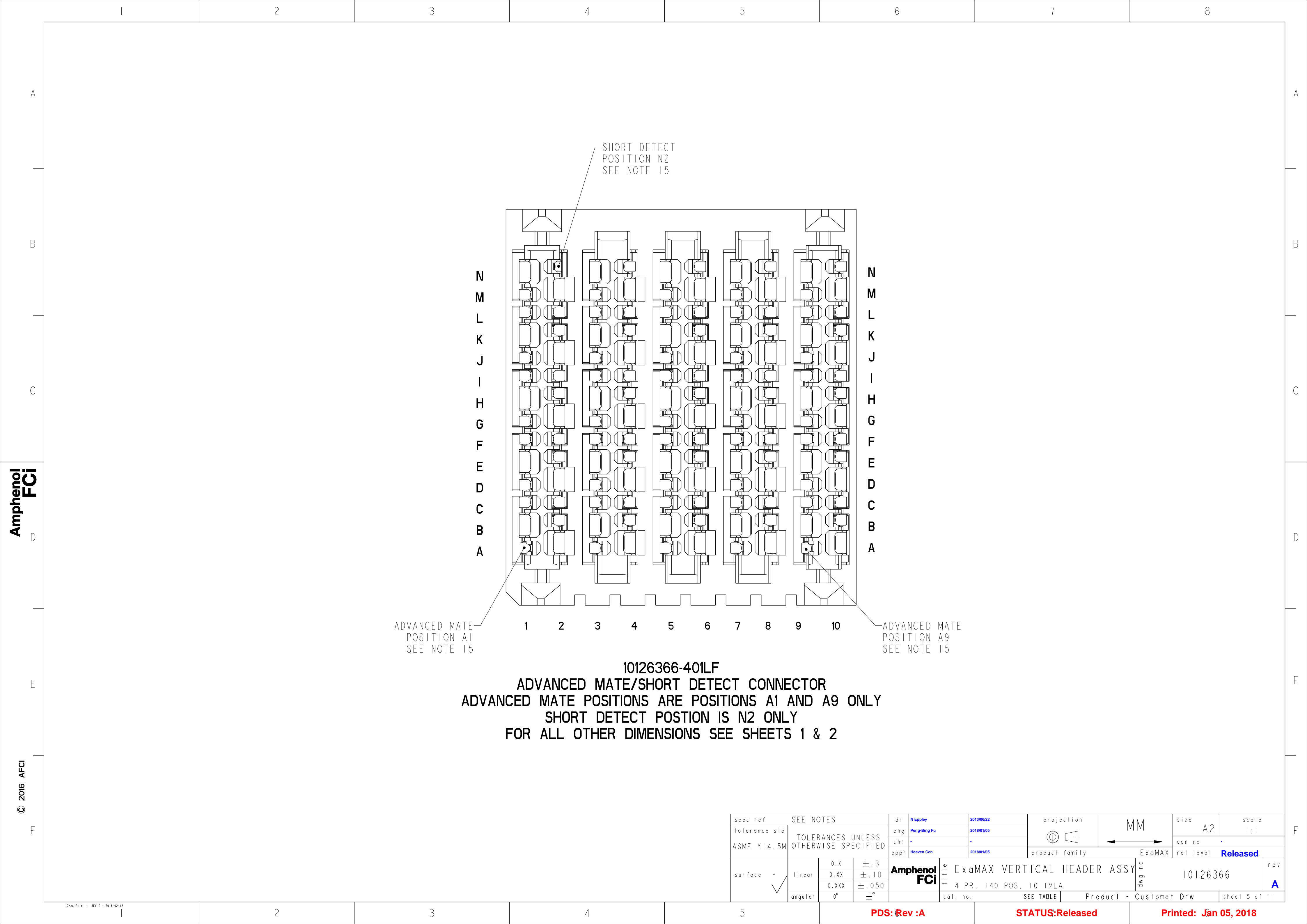
STATUS:Released

Printed: Jan 05, 2018



10126366-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|---------------------------------------|--|-------|------|-------|--------------|--------------|------------|----------|----------------|---|---------------|------------------------|-----------|---------------|----------|-----|-------|---|-----|--|
| spec ref | | SEE NOTES | | | dr | | N Eppley | | 2013/06/22 | | projection | | <div>MM</div> | | size | | A2 | | scale | | 6:1 | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | | Peng-Bing Fu | | 2018/01/05 | | | | | | ecn no | | - | | | | | |
| ASME Y14.5M | | | | | chr | | - | | | | | | | | | | | | | | | |
| | | | | | appr | | Heaven Cen | | 2018/01/05 | | | | | | | | | | | | | |
| | | | | | | | | | | | product family | | ExaMAX | | rel level | | Released | | | | | |
| surface - <div>✓</div> | | linear | | 0.X | | ±.3 | | Amphenol FCI | | title | | ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA | | dwg no | | 10126366 | | rev | | A | | |
| | | | | 0.XX | | ±.10 | | | | | | | | | | | | | | | | |
| | | | | 0.XXX | | ±.050 | | | | | | | | | | | | | | | | |
| | | angular | | 0° | | ±° | | | | cat. no. | | SEE TABLE | | Product - Customer Drw | | sheet 4 of 11 | | | | | | |



Amphenol
FCi

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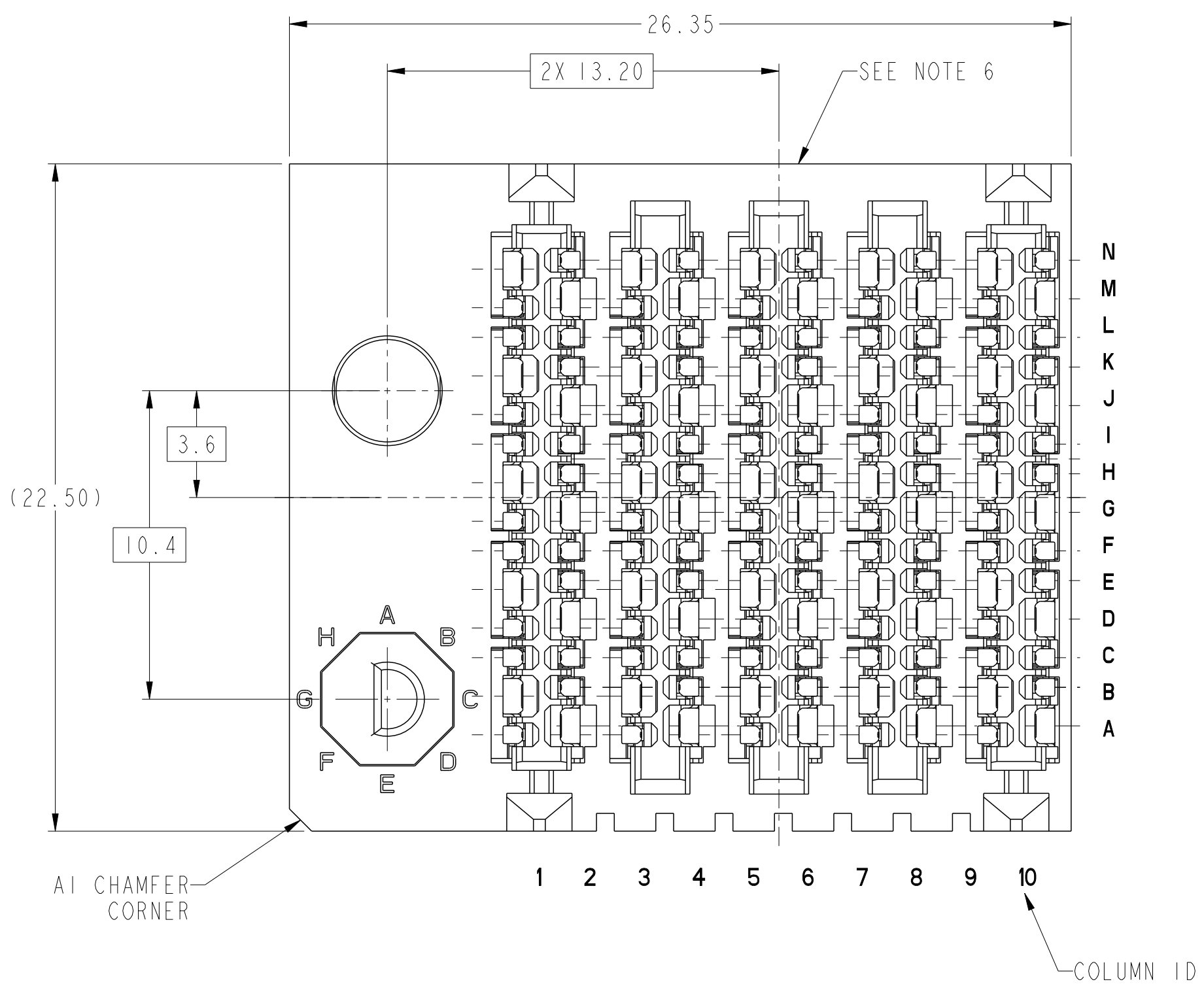
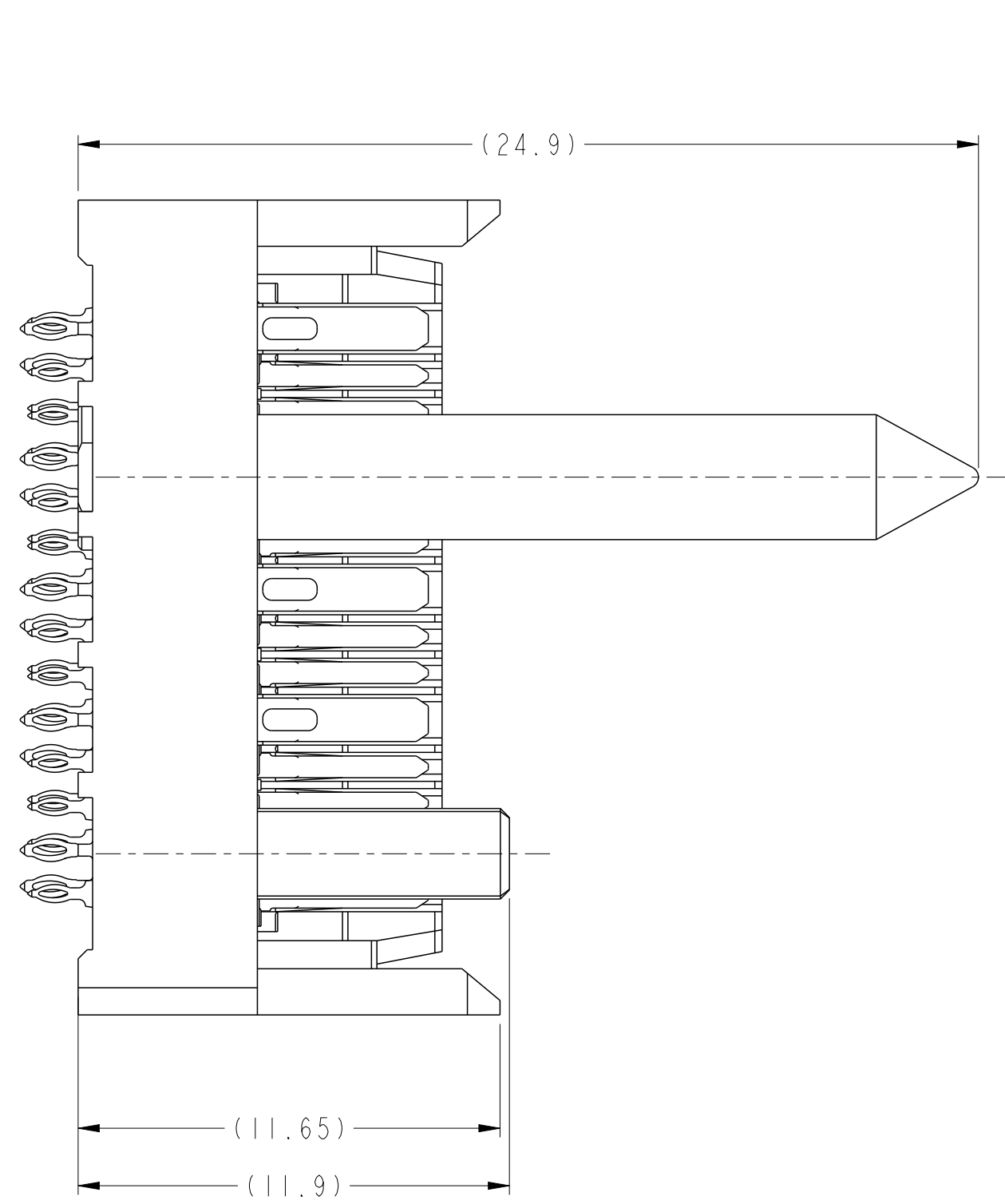
10126366-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSTION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

| | | | | | | | | | | | | | | |
|---------------|---------------------------------------|---------|-------|-----------------|--------------|-----------------------------|------------------------|--|--------|-----------|---------------|-------|----------|---|
| spec ref | SEE NOTES | | | dr | N Eppley | 2013/06/22 | | | MM | size | A2 | scale | 1:1 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Peng-Bing Fu | 2018/01/05 | | | | ecn no | - | | | |
| ASME Y14.5M | | | | chr | - | - | | | | rel level | | | Released | |
| | | | | appr | Heaven Cen | 2018/01/05 | product family | | ExaMAX | | | | | |
| surface - | linear | 0.X | ±.3 | Amphenol FCI | title | ExaMAX VERTICAL HEADER ASSY | | | | dwg no | 10126366 | | rev | A |
| | | 0.XX | ±.10 | | | 4 PR, 140 POS, 10 IMLA | | | | | | | | |
| | | 0.XXX | ±.050 | | | | | | | | | | | |
| | | angular | 0° | | | ±° | | | | | | | | |
| | | | | cat. no. | | SEE TABLE | Product - Customer Drw | | | | sheet 5 of 11 | | | |

PDS: Rev :A

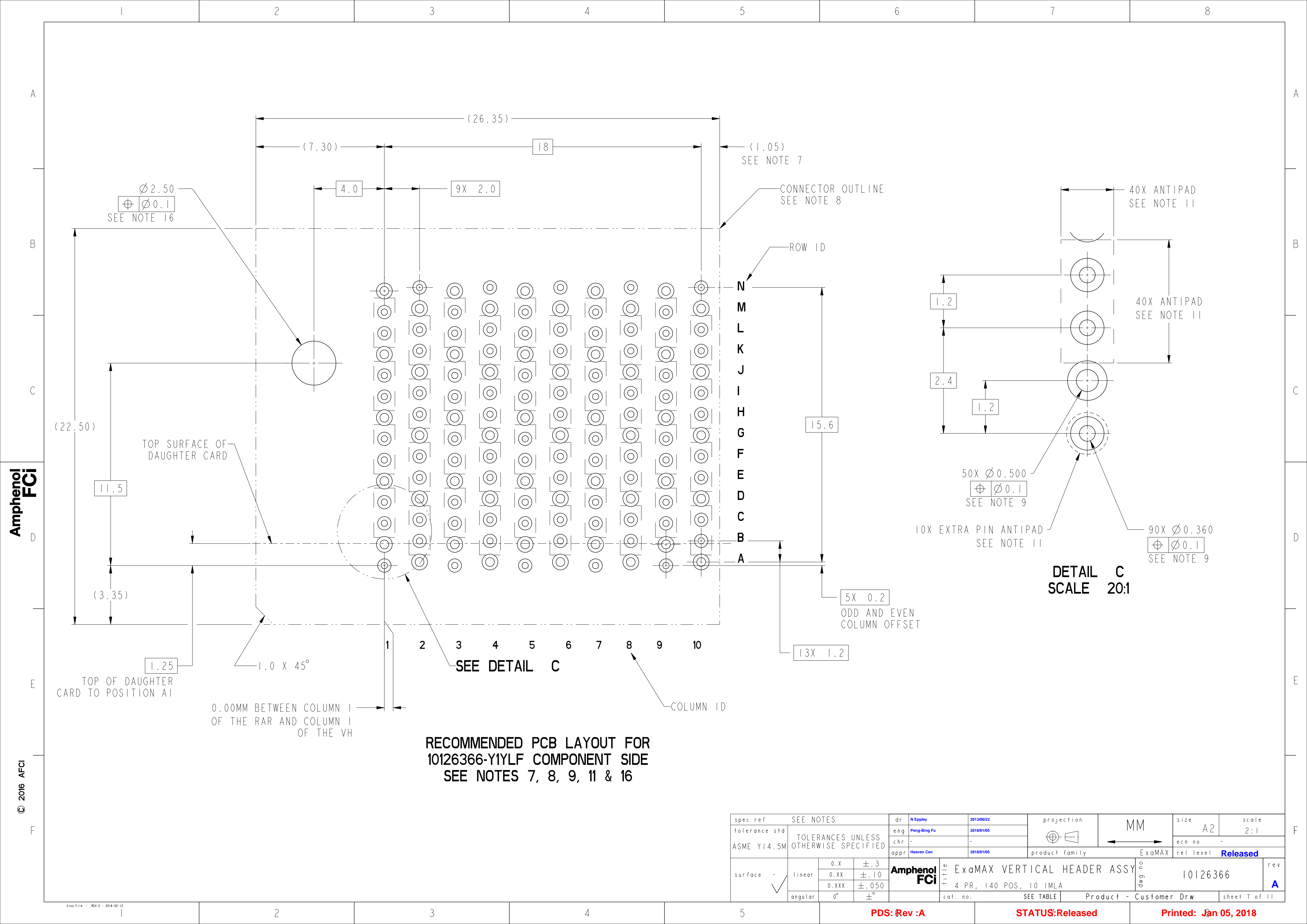
STATUS:Released

Printed: Jan 05, 2018



10126366-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---------------------------------------|--|-------|------|----------|--------------|-----------------|------------|-------|----------------|-----------------------------|--------|--|-----------|--|----------|--|-------|--|-----|-----|--|
| spec ref | | SEE NOTES | | | dr | | N Eppley | | 2013/06/22 | | projection | | MM | | size | | A2 | | scale | | 6:1 | | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | | Peng-Bing Fu | | 2018/01/05 | | | | | | ecn no | | - | | | | | | |
| ASME Y14.5M | | | | | chr | | - | | - | | | | | | rel level | | Released | | | | | | |
| | | | | | appr | | Heaven Cen | | 2018/01/05 | | product family | | ExaMAX | | | | | | | | | | |
| surface - | | linear | | 0.X | | ±.3 | | Amphenol FCi | | title | | ExaMAX VERTICAL HEADER ASSY | | | | | | | | | | rev | |
| | | | | 0.XX | | ±.10 | | | | | | | | | | | | | | | | | |
| | | 0.XXX | | ±.050 | | cat. no. | | | | | | | | | | | | | | | | | |
| | | angular | | 0° | | ±° | | | | | | | | | | | | | | | | A | |

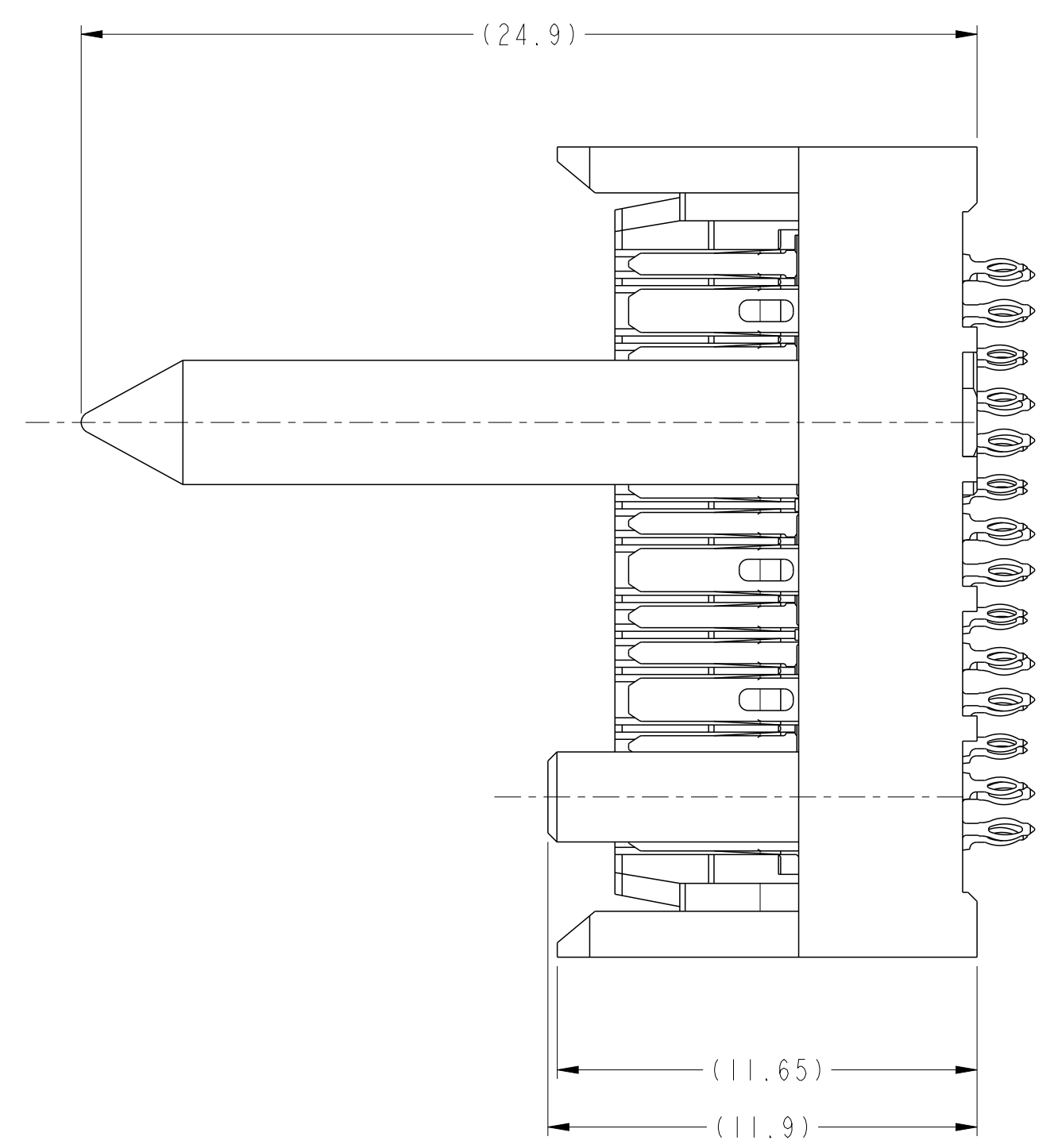
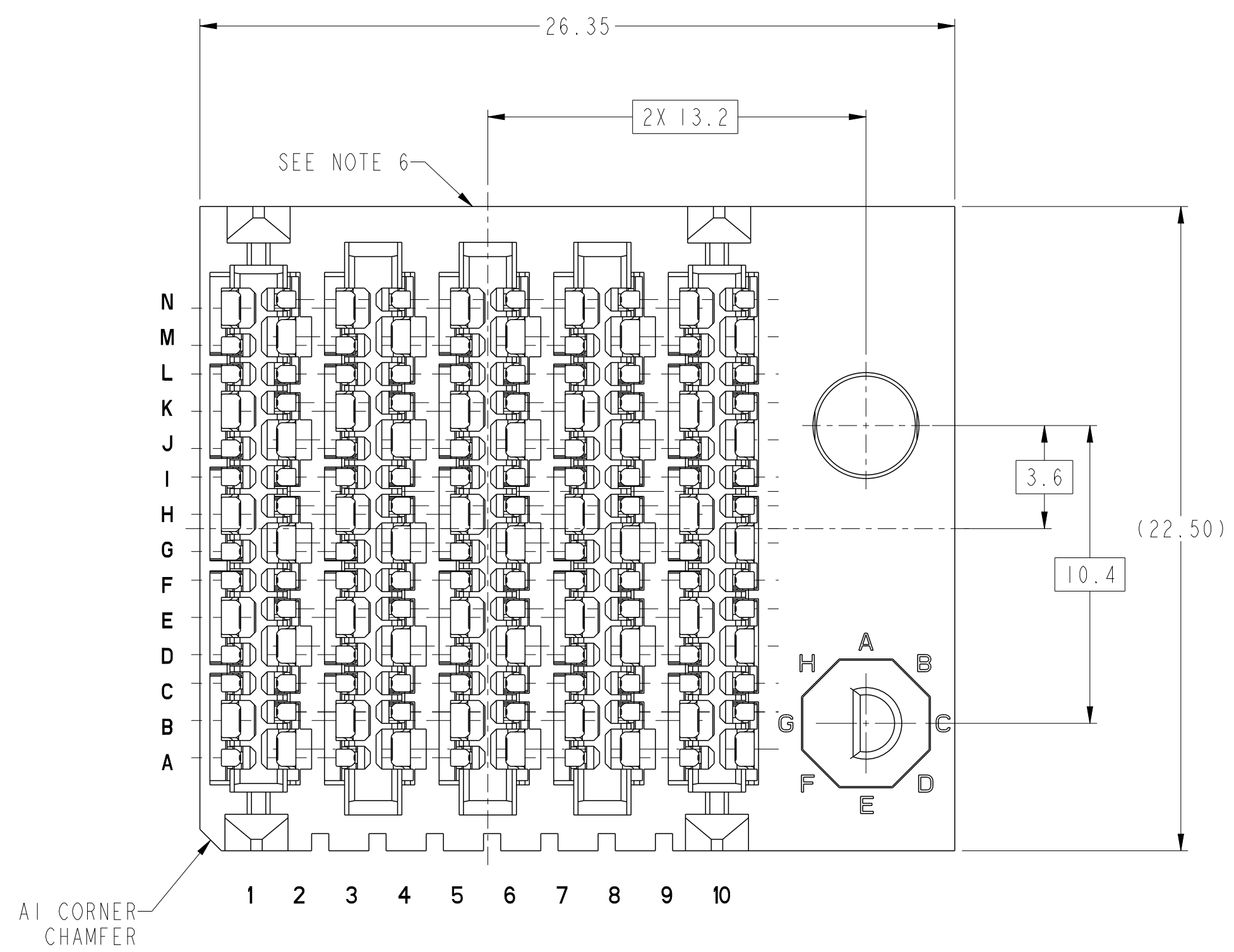


Amphenol
FCi

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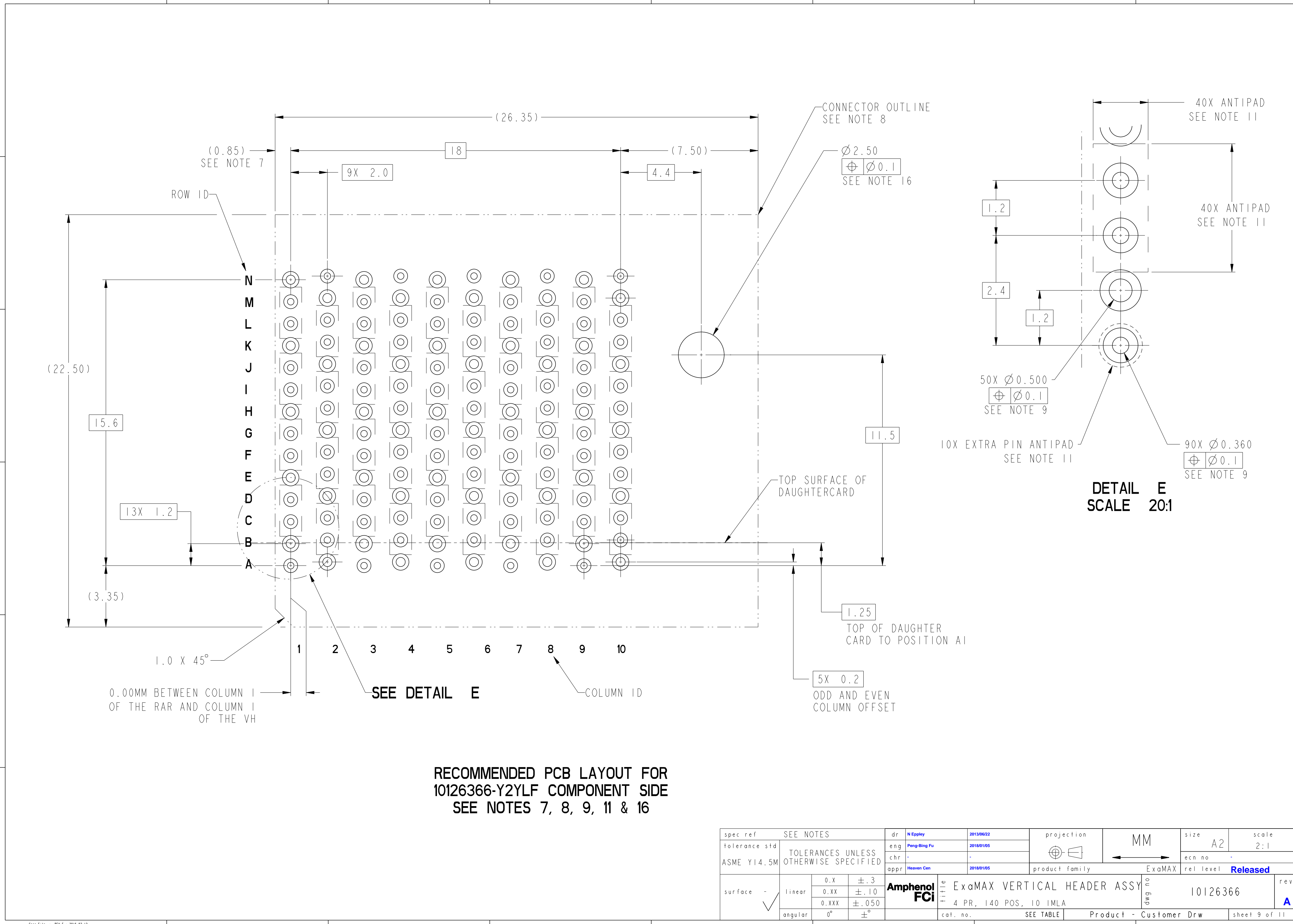
RECOMMENDED PCB LAYOUT FOR
10126366-Y1YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---------------------------------------|--|-------|-------|-----------------|--------------|------------|-----------------------------|--|----|--|---------------|--|----|--|-----------|--|--------|----------|----------|--|--|-----|
| spec ref | | SEE NOTES | | | dr | | N Eppley | 2013/06/22 | projection | | MM | | size | | A2 | | scale | | 2:1 | | | | | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | | Peng-Bing Fu | 2018/01/05 | | | | | ecn no - | | | | | | | | | | | |
| ASME Y14.5M | | | | | chr | | - | - | | | | | | | | | | | | | | | | |
| | | | | | appr | | Heaven Cen | 2018/01/05 | product family | | | | ExaMAX | | | | rel level | | | | Released | | | |
| surface - | | linear | | 0.X | ±.3 | Amphenol FCI | | title | ExaMAX VERTICAL HEADER ASSY | | | | | | | | | | dwg no | 10126366 | | | | rev |
| | | | | 0.XX | ±.10 | | | | | | | | | | | | | | | | | | | |
| | | | | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | | | |
| | | angular | | 0° | ±° | cat. no. | SEE TABLE | | Product- Customer Drw | | | | sheet 7 of 11 | | | | | | | | | | | |



10126366-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

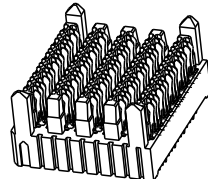
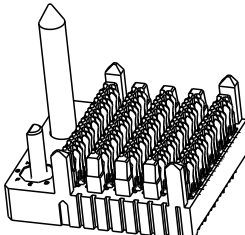
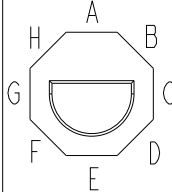
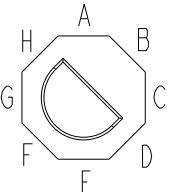
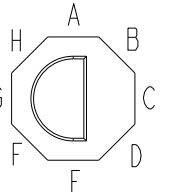
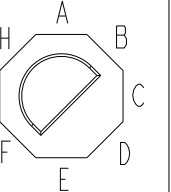
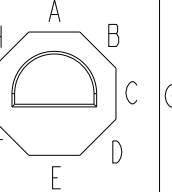
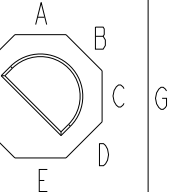
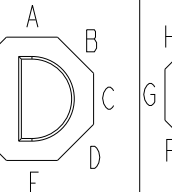
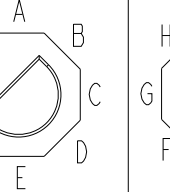
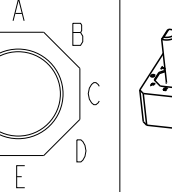
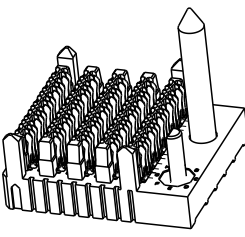
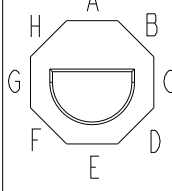
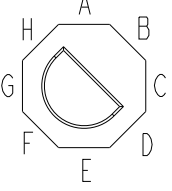
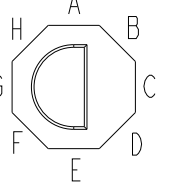
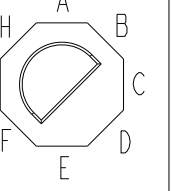
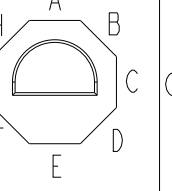
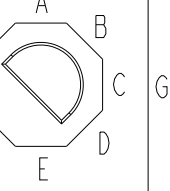
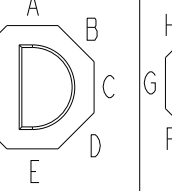
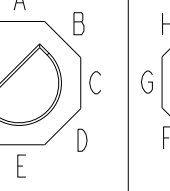
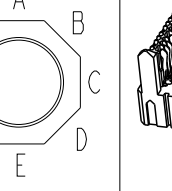
| | | | | | | | | | | |
|---------------|---------------------------------------|-------|--------------|--------------|----------------|-----------------------------|------------------------|---------------|-------|-----|
| spec ref | SEE NOTES | dr | N Eppley | 2013/06/22 | projection | MM | size | A2 | scale | 6:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Peng-Bing Fu | 2018/01/05 | chr | - | ecn no | - | | |
| ASME Y14.5M | | appr | Heaven Cen | 2018/01/05 | product family | ExaMAX | rel level | Released | | |
| surface | linear | 0.X | ±.3 | Amphenol FCI | title | ExaMAX VERTICAL HEADER ASSY | dwg no | 10126366 | rev | A |
| | | 0.XX | ±.10 | | | 4 PR, 140 POS, 10 IMLA | | | | |
| | | 0.XXX | ±.050 | | | | | | | |
| | angular | 0° | ±° | | cat. no. | SEE TABLE | Product - Customer Drw | sheet 8 of 11 | | |

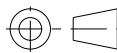
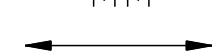




| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---------------------------------------|--|---------|------|-------|--------------|--------------|------------|-------|----------------|-----------------------------|----|-----------|--------|------------------------|--------|--|-----------|---------------|----------|--------|--|----------|--|-----|--|
| spec ref | | SEE NOTES | | | dr | | N Eppley | | 2013/06/22 | | projection | | MM | | size | | A2 | | scale | | 2:1 | | | | | | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | | Peng-Bing Fu | | 2018/01/05 | | | | | | ecn no | | - | | rel level | | Released | | | | | | |
| ASME Y14.5M | | | | | chr | | - | | - | | | | | | - | | | | | | | | | | | | |
| | | | | | appr | | Heaven Cen | | 2018/01/05 | | product family | | | | | | ExaMAX | | | | | | | | | | |
| surface - | | linear | | 0.X | | ±.3 | | Amphenol FCI | | title | | ExaMAX VERTICAL HEADER ASSY | | | | | | | | | | dwg no | | 10126366 | | rev | |
| | | | | 0.XX | | ±.10 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0.XXX | | ±.050 | | | | | | | | | | | | | | | | | | | | | |
| | | | | angular | | 0° | | ±° | | | | cat. no. | | SEE TABLE | | Product - Customer Drw | | | | sheet 9 of 11 | | | | | | | |

10126366 - Y Y Y L F

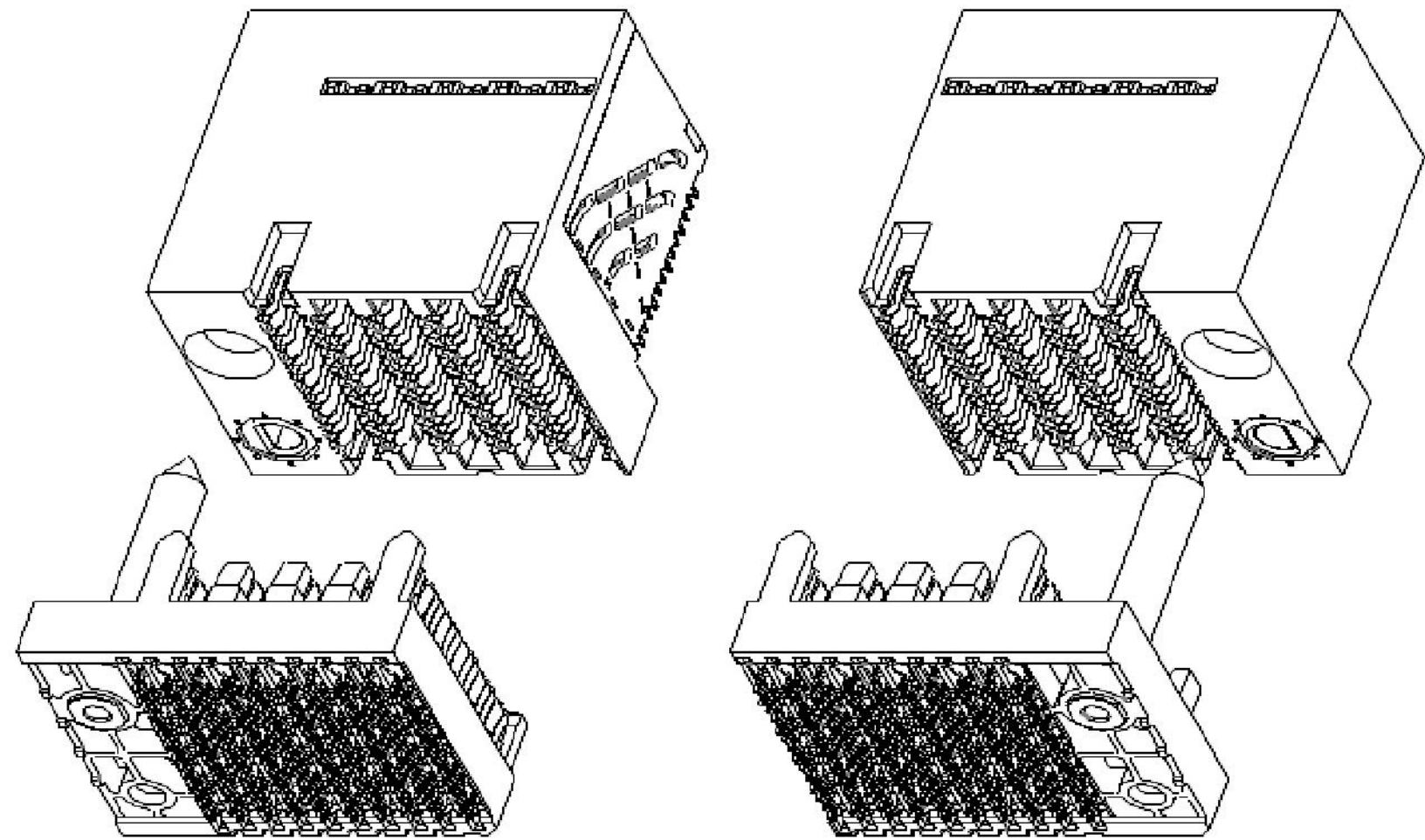
| ASSEMBLY PART NUMBER | DESCRIPTION |
|----------------------------|------------------------------|
| 10126366-1YYLF | STANDARD MATE |
| 10126366-2YYLF | ADVANCED MATE |
| 10126366-3YYLF | SHORT DETECT |
| 10126366-4YYLF | ADVANCED MATE & SHORT DETECT |

| 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) |  |
| |  |  |  |  |  |  |  |  |  | |

| | | | | | | | | | | | | | |
|--|---------------------------------------|---------|-------|---|--------------|---|---|---|----------|----------------|-------|-----|----------------|
| spec ref | SEE NOTES | | | dr | N Eppley | 2013/06/22 |  |  | size | A2 | scale | 1:1 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Peng-Bing Fu | 2018/01/05 | | | ecn no - | | | | |
| ASME Y14.5M | | | | chr | - | - | | | | | | | |
| | | | | appr | Heaven Cen | 2018/01/05 | | | | | | | product family |
| surface -  | linear | 0.X | ±.3 |  | title | ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA | | | dwg no | 10126366 | | rev | A |
| | | 0.XX | ±.10 | | | | | | | | | | |
| | | 0.XXX | ±.050 | | | | | | | | | | |
| | | angular | 0° | | | | | | | | | | |
| | | | | cat. no. | SEE TABLE | Product - Customer Drw | | | | sheet 10 of 11 | | | |

NOTES

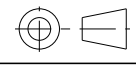
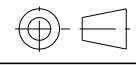


- 1- CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
GUIDE PIN: ZINC ALLOY
KEY PIN: ZINC ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF 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 ROUTING GUIDE GS-20-0511 FOR RECOMMENDATIONS ON OPTIMIZATION OF FOOTPRINT AND TRACE ROUTING LAYOUT.
- 12- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- 13- THE ADVANCED MATE HEADER, 10126366-2YYLF, WHEN MATED WITH AN ADVANCED MATE RIGHT ANGLE 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, 10126366-3YYLF, WHEN MATED WITH A STANDARD MATE RIGHT ANGLE RECEPTACLE WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 15- THE ADVANCED MATE/SHORT DETECT HEADER, 10126366-4YYLF, WHEN MATED WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS, AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 16- FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, ONE PHILLIPS PAN HEAD M2 HOLD DOWN SCREW 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 WITH CONNECTOR.
- 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
SEE NOTE 17

| | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------------|--|-----------------|--|--------------|--|---|--|---|--|---|--|------------------------|--|----------|--|----------------|--|----------|--|
| spec ref | | SEE NOTES | | dr | | N Eppley | | 2013/06/22 | | projection | |  | | size | | A2 | | scale | | 2:1 | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | | Peng-Bing Fu | | 2018/01/05 | |  | |  | | ecn no | | - | | rel level | | Released | |
| ASME Y14.5M | | | | chr | | - | | - | | | | | | ecn no | | - | | | | | |
| | | | | appr | | Heaven Cen | | 2018/01/05 | | product family | | ExaMAX | | | | | | | | | |
| surface -  | | linear | | Amphenol FCI | | title | | ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA | | product family | | ExaMAX | | dwg no | | 10126366 | | rev | | A | |
| | | | | | | | | | | | | | | 0.X | | ±.3 | | | | | |
| | | | | | | | | | | | | | | 0.XX | | ±.10 | | | | | |
| | | 0.XXX | | | | | | | | | | | | ±.050 | | | | | | | |
| | | angular | | 0° | | ±° | | | | cat. no. | | SEE TABLE | | Product - Customer Drw | | | | sheet 11 of 11 | | | |

Mouser Electronics

Authorized Distributor

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[10126366-101LF](#)