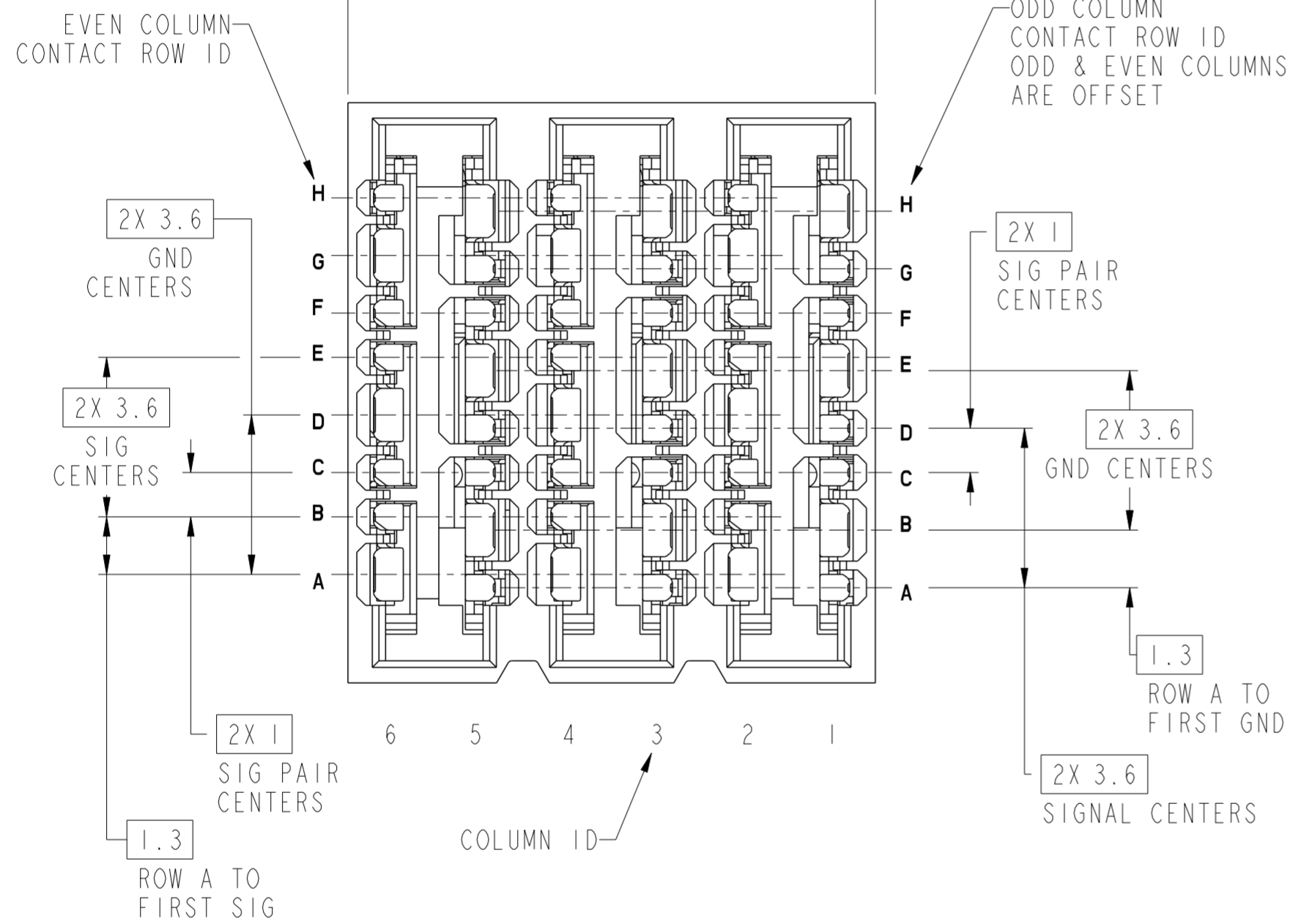
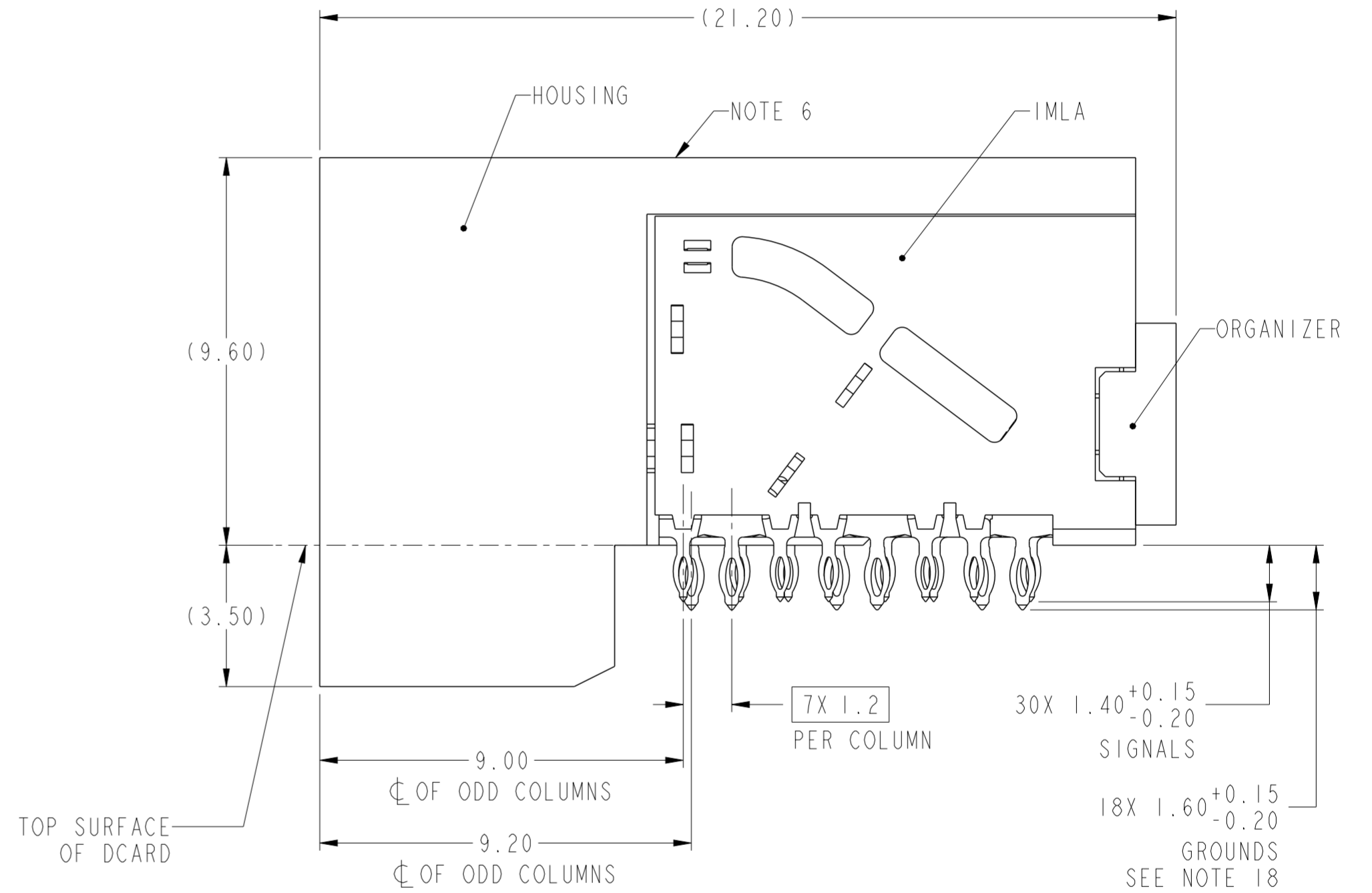


PRODUCT NUMBER
SEE TABLE



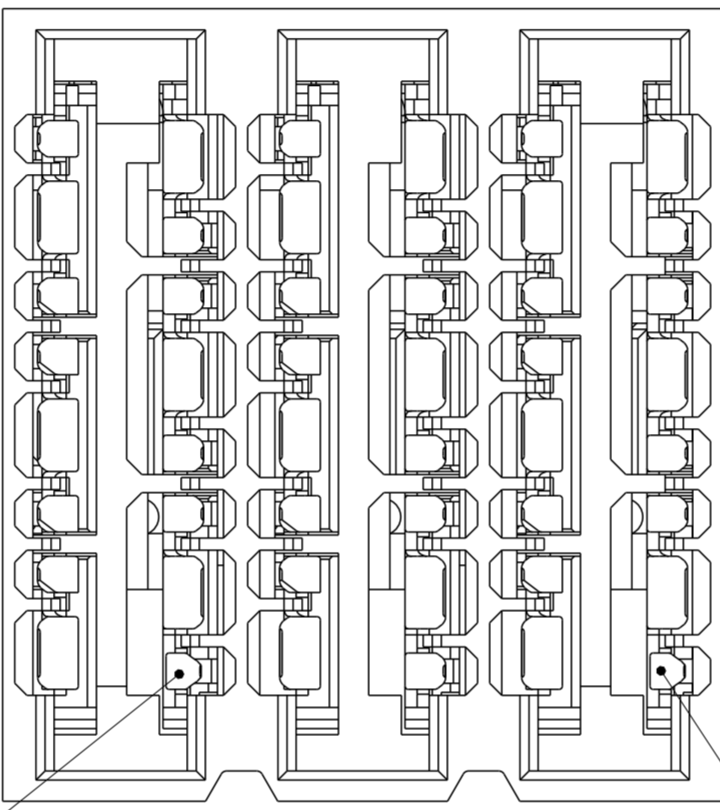
**10128332-101LF
STANDARD MATE RECEPTACLE**



| | | | | | | | | | | |
|---------------------------------------|-------------|------|-------------|------------|----------------|---|------------------------|---------------|------------------------|---------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 8:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | rel level | | | Preliminary | | | |
| surface | linear | 0.X | ±.3 | | product family | ExaMAX | cat. no. | SEE TABLE | Product - Customer Drw | sheet 1 of 10 |
| | | 0.XX | ±.10 | | title | ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no | 10128332 | rev | 8 |
| | angular | 0° | ±° | | cat. no. | SEE TABLE | Product - Customer Drw | sheet 1 of 10 | | |

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ADVANCED MATE POSITION A5
SEE NOTE 13

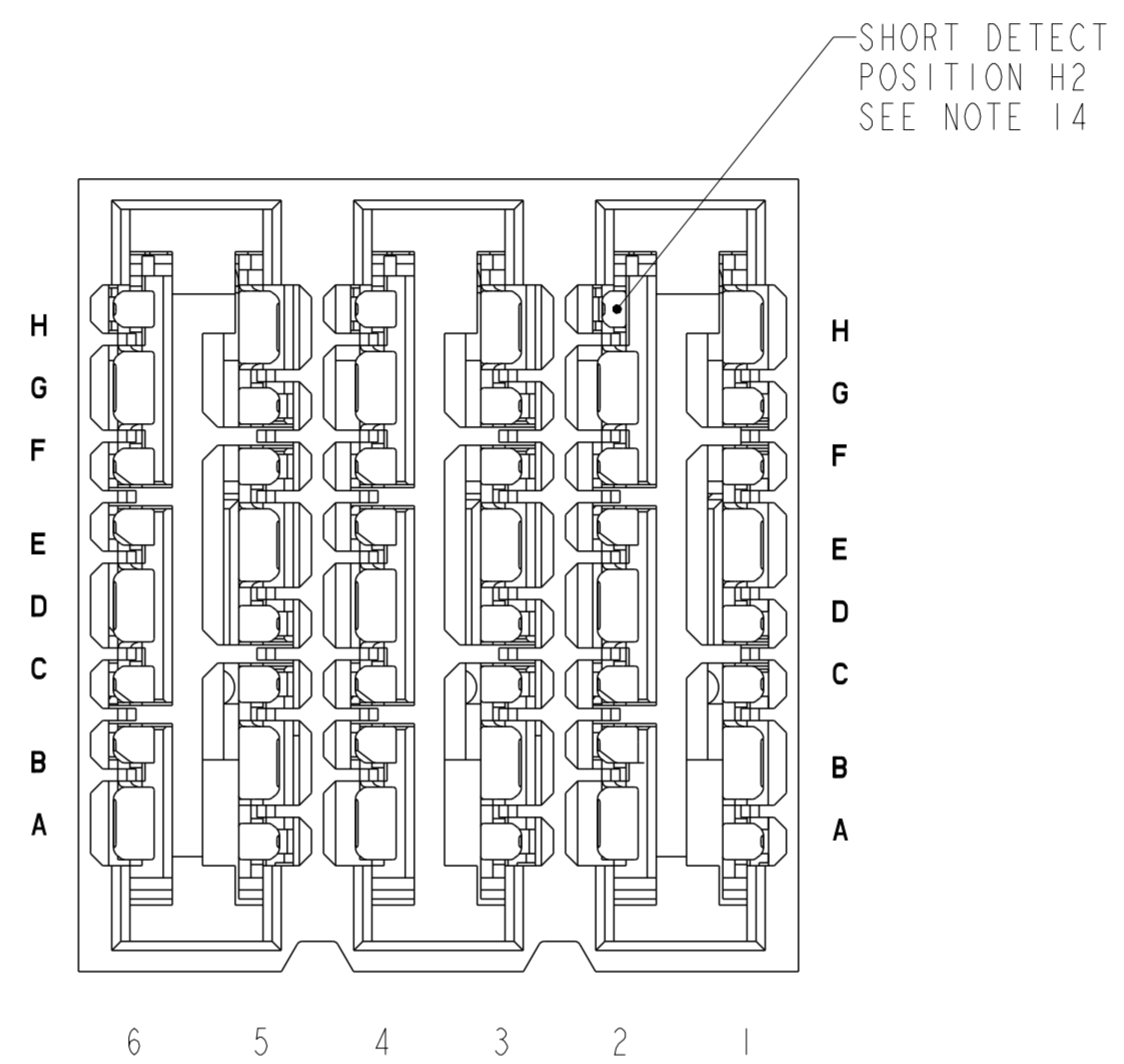
ADVANCED MATE POSITION A1
SEE NOTE 13

10128332-201LF
ADVANCED MATE RECEPTACLE
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
 FOR ALL DIMENSIONS SEE 10128332-101LF ON SHEET 1

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| | | | | | | | | | | |
|---------------------------------------|-------------|-------|-------------|------------|----------------|-----------|------------------------------------|---|------------------------|---------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 8:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | - | | | rel level | Preliminary | | |
| surface | - | appr | - | - | product family | ExaMAX | cat. no. | 10128332 | rev | 8 |
| | linear | 0.X | ±.3 | | title | | ExaMAX R.A. RECEPTACLE LOW PROFILE | ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM SEE TABLE | Product - Customer Drw | sheet 2 of 10 |
| | | 0.XX | ±.10 | | title | | 10128332 | | | |
| | | 0.XXX | ±.050 | | title | | 8 | | | |
| | angular | 0° | ±° | cat. no. | | SEE TABLE | Product - Customer Drw | | sheet 2 of 10 | |

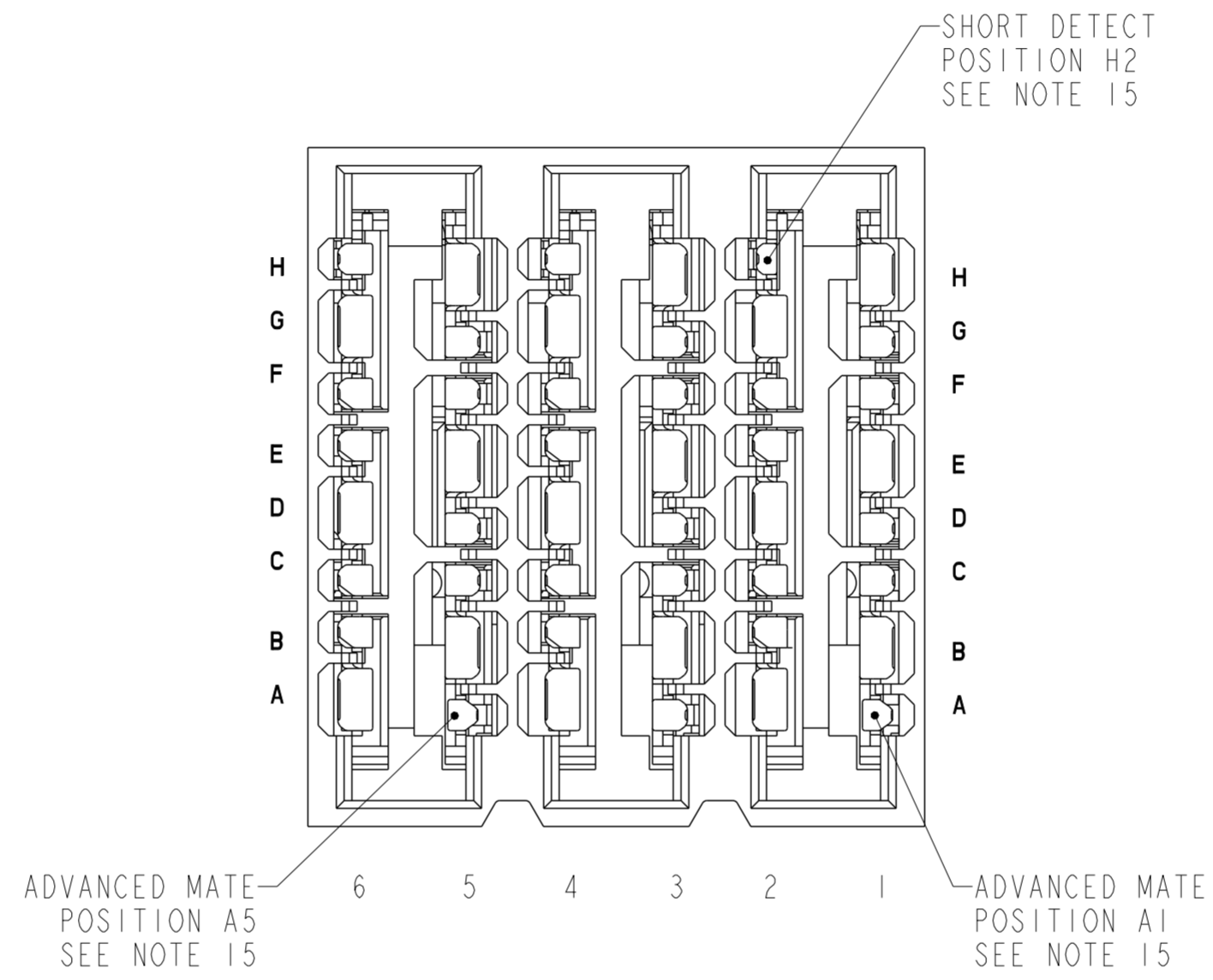


10128332-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS H2
FOR ALL DIMENSIONS SEE 10128332-101LF ON SHEET 1

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| | | | | | | | | | | |
|---------------------------------------|-------------|--------|-------------|------------|------------|---|--------------------|----------|------------------------------|--------------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 10:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level Preliminary | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | - | | | product family | ExaMAX | rel level | Preliminary |
| surface | - ✓ | linear | 0.X | ±.3 | | title ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no 10128332 | rev 8 | cat. no. SEE TABLE | |
| | | | 0.XX | ±.10 | | | | | Product - Customer Drw | |
| | | | 0.XXX | ±.050 | | | | | sheet 3 of 10 | |
| angular | 0° | ±° | | | | | | | | |

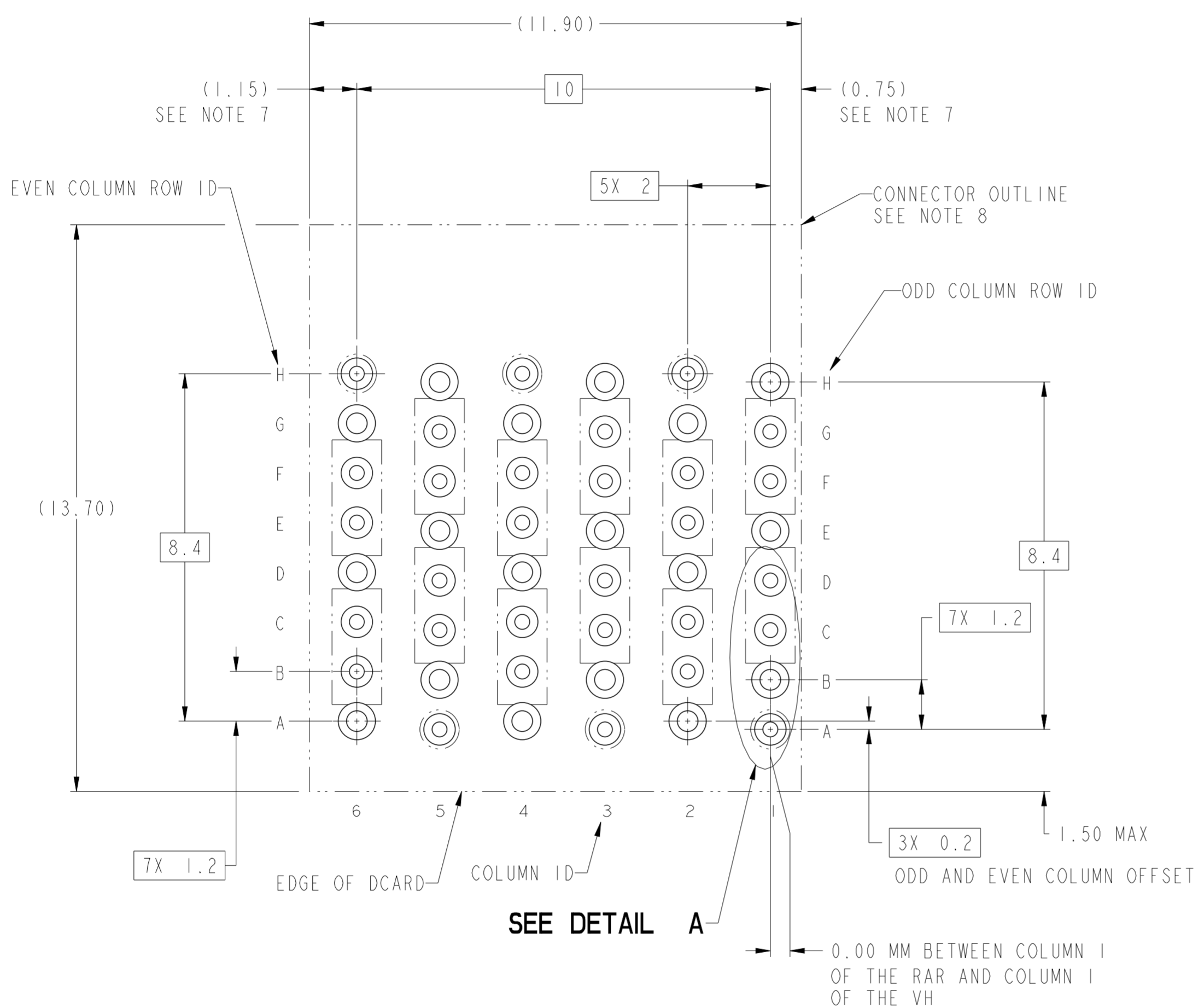


10128332-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A5 ONLY
SHORT DETECT POSITION IS H2
FOR ALL DIMENSIONS SEE 10128332-101LF ON SHEET 1

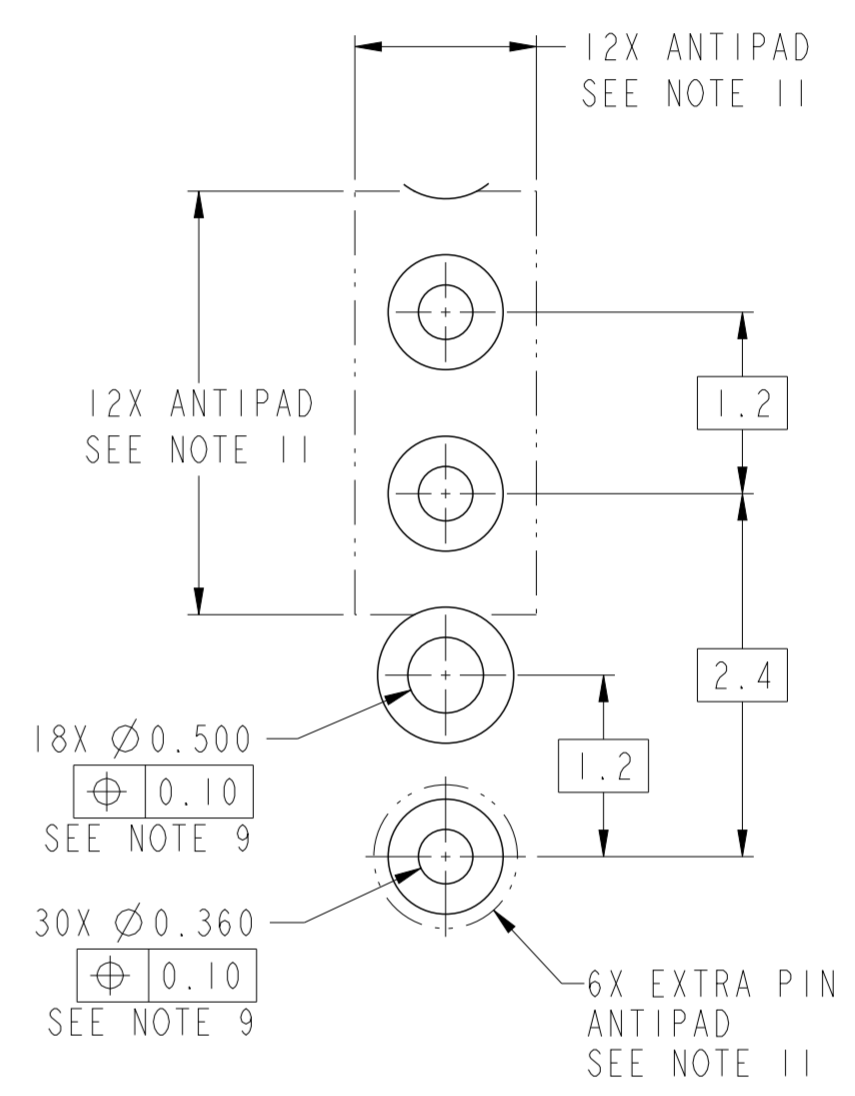
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| | | | | | | | | | | |
|---------------------------------------|-------------|---------|-------------|----------------|------------|---|--------------------|-----------|------------------------|-------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 8:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | product family | | | ExaMAX | rel level | | Preliminary |
| surface | - | linear | 0.X | ±.3 | | title ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no 10128332 | rev 8 | cat. no. | |
| | | | 0.XX | ±.10 | | | | | SEE TABLE | |
| | | | 0.XXX | ±.050 | | | | | Product - Customer Drw | |
| | | angular | 0° | ±° | | | sheet 4 of 10 | | | |

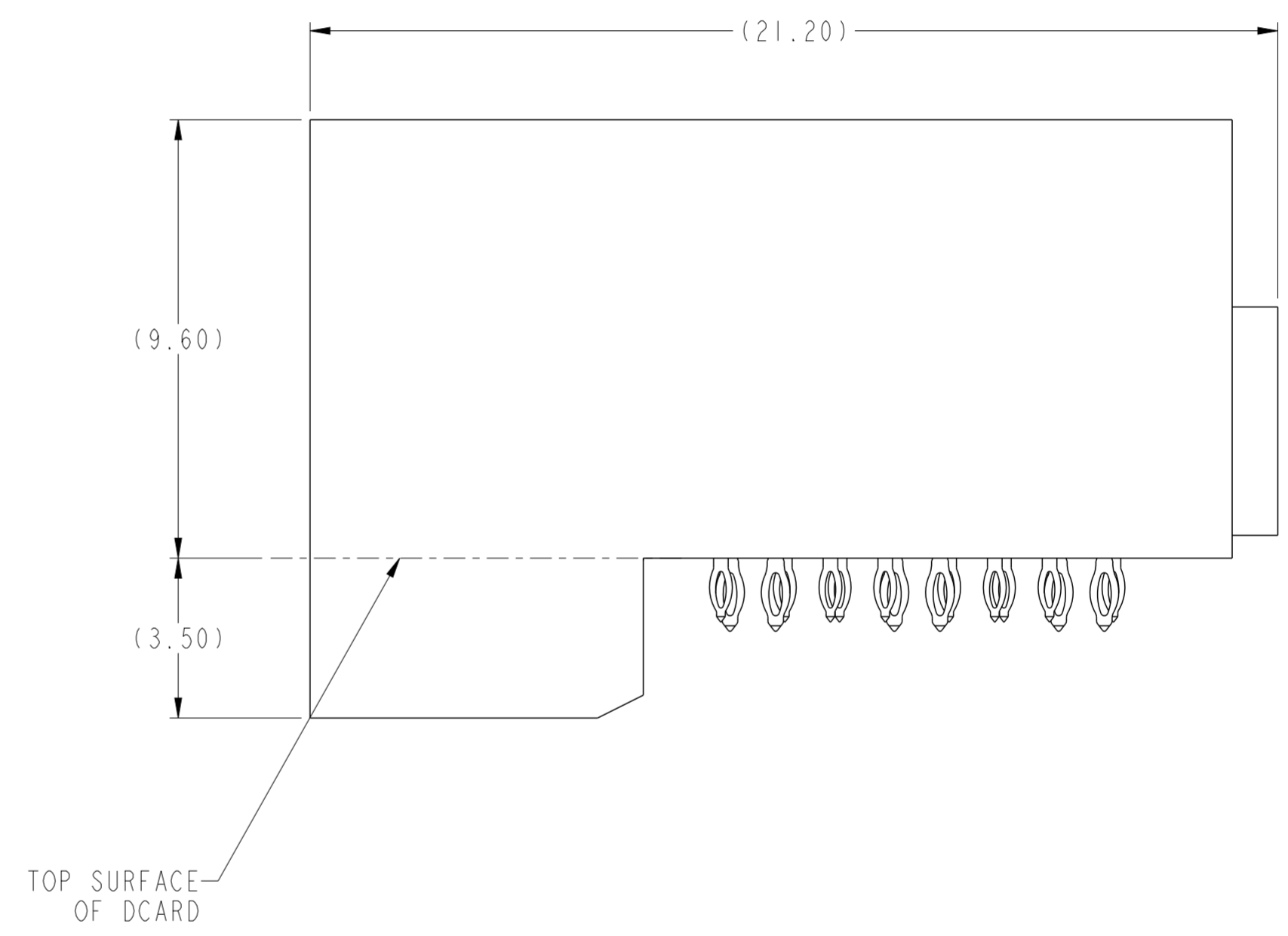
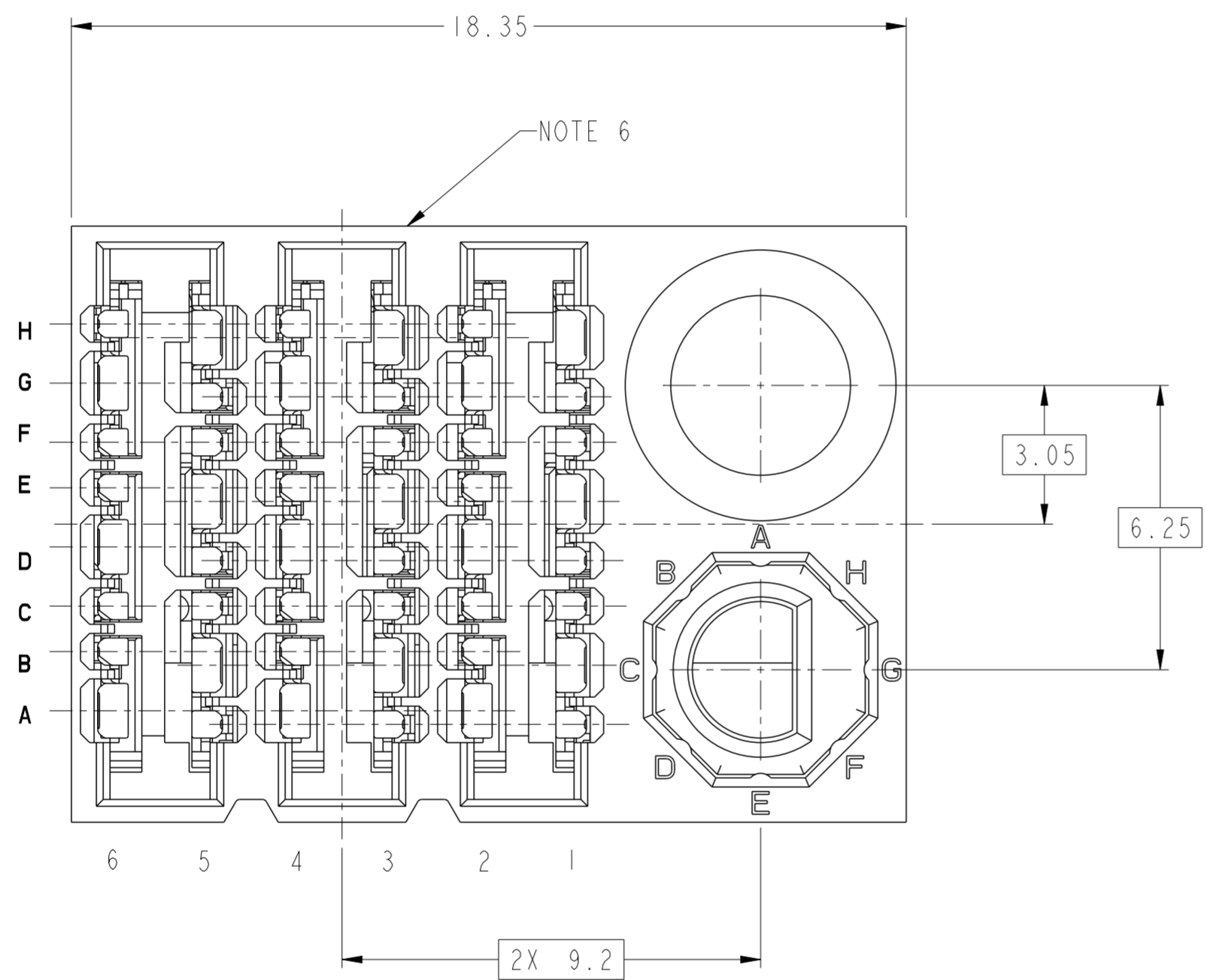


10128332-Y01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1



DETAIL A
SCALE 20:1

| | | | | | | | | | | | |
|---------------------------------------|-------------|---------|-------------|----------------|------------|---|--------------------|----------|-----------------------|------------------------|---------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 10:1 | |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | Preliminary | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | product family | | | | | | | ExaMAX |
| surface | - | linear | 0.X | ±.3 | | title ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no 10128332 | rev 8 | cat. no. SEE TABLE | Product - Customer Drw | sheet 5 of 10 |
| | | | 0.XX | ±.10 | | | | | | | |
| | | angular | 0° | ±° | | | | | | | |



10128332-Y1ALF THRU 10128332-Y1JLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL DIMENSIONS SEE 10128332-101LF ON SHEET 1
 SCALE 8:1

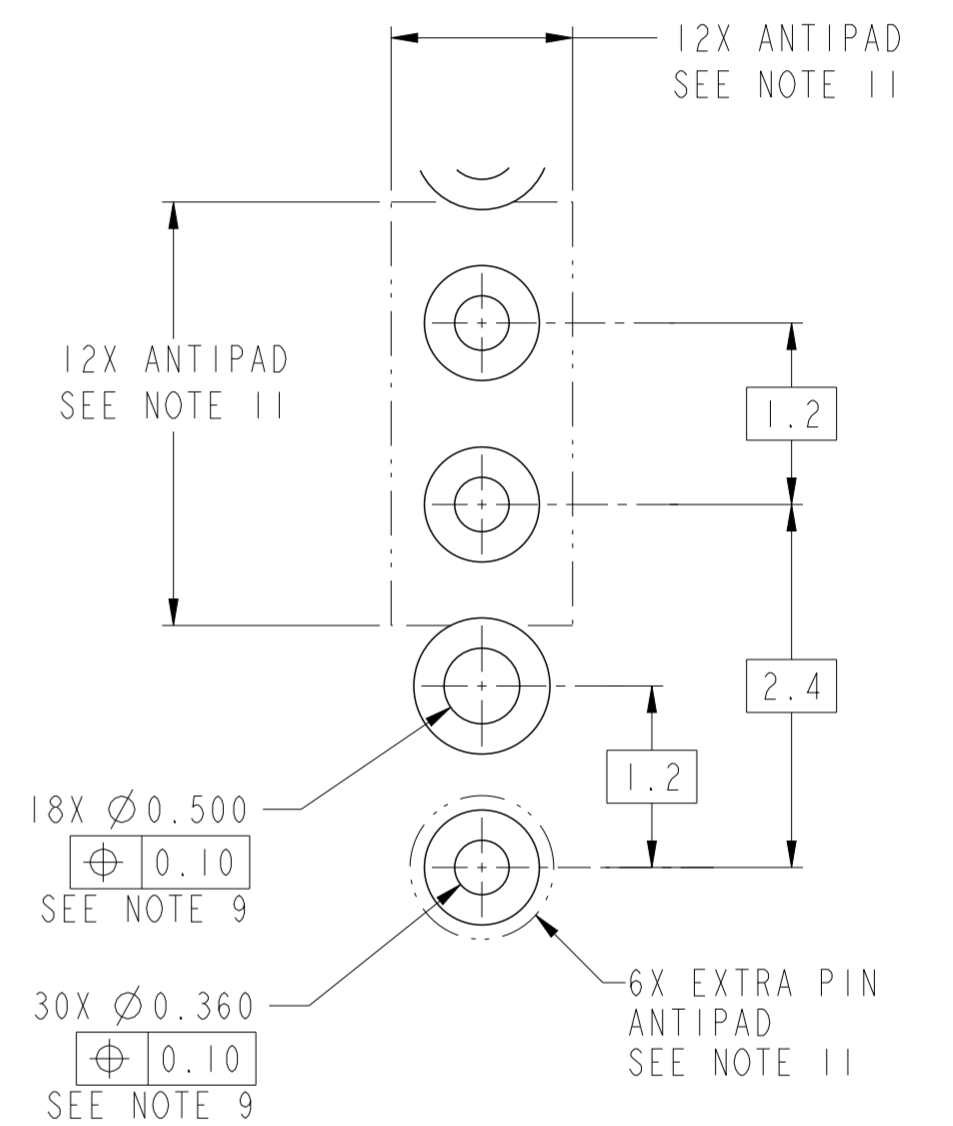
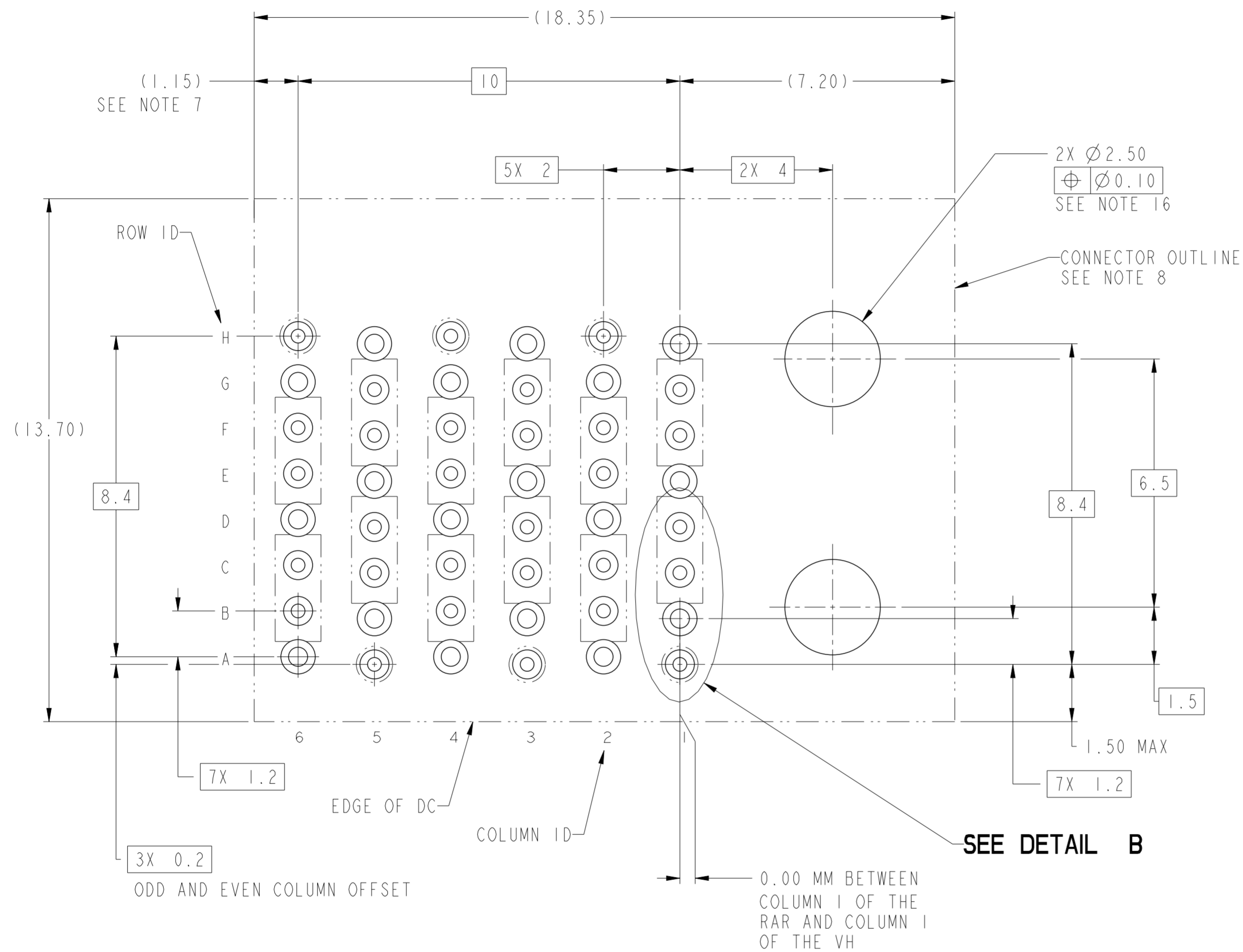
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| | | | | | | | | | | | |
|---------------------------------------|-------------|---------|-------------|------------|------------|---------------------|---|------------------------|------------------------------|-----|---------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 8:1 | |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level Preliminary | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | cat. no. | | | SEE TABLE | Product - Customer Drw | | | sheet 6 of 10 |
| surface | - | | linear | 0.X | ±.3 | Amphenol FCI | title ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no 10128332 | rev 8 | | |
| | | | | 0.XX | ±.10 | | | | | | |
| | | | | 0.XXX | ±.050 | | | | | | |
| | | angular | 0° | ±° | | | | | | | |

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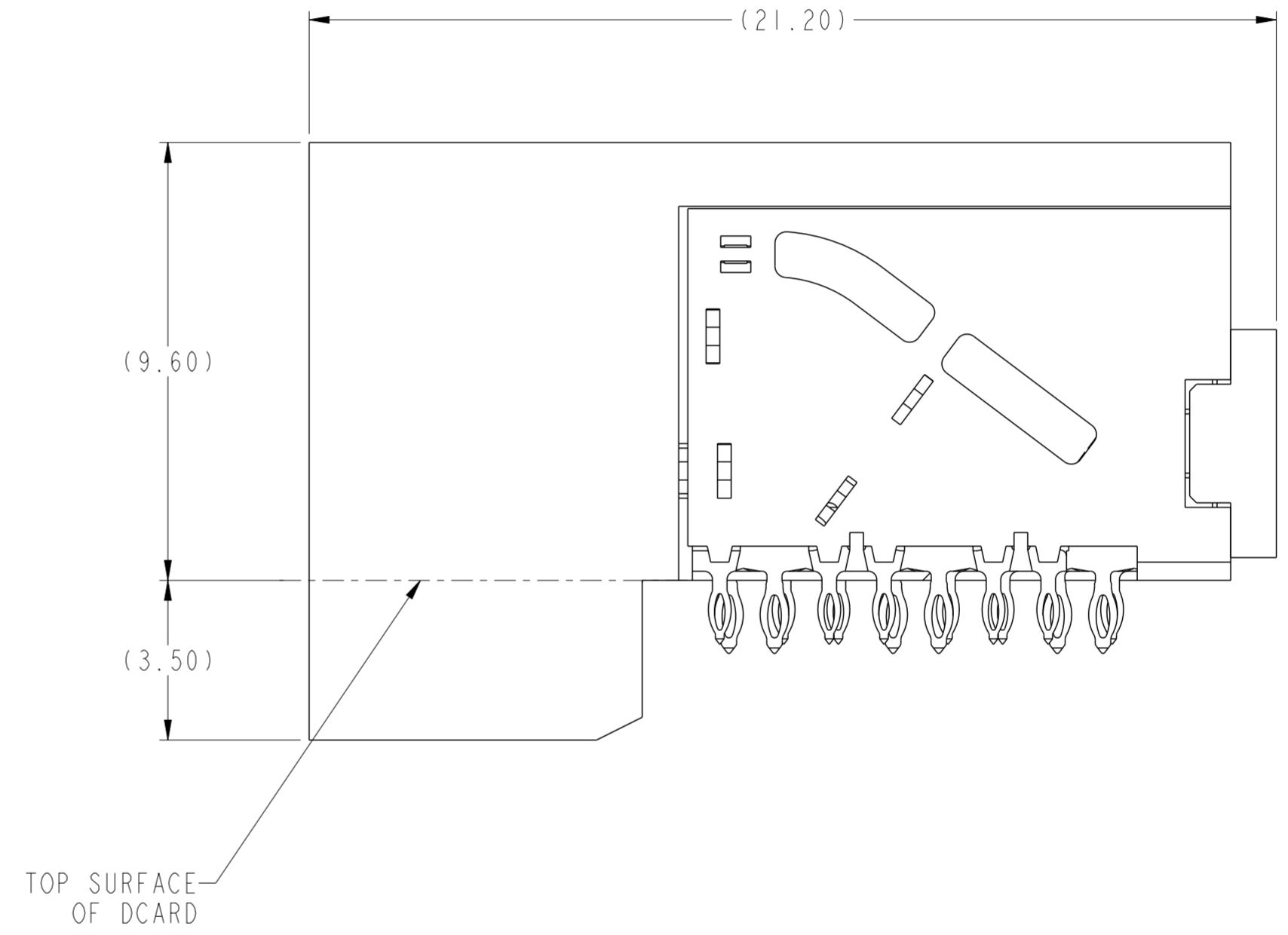
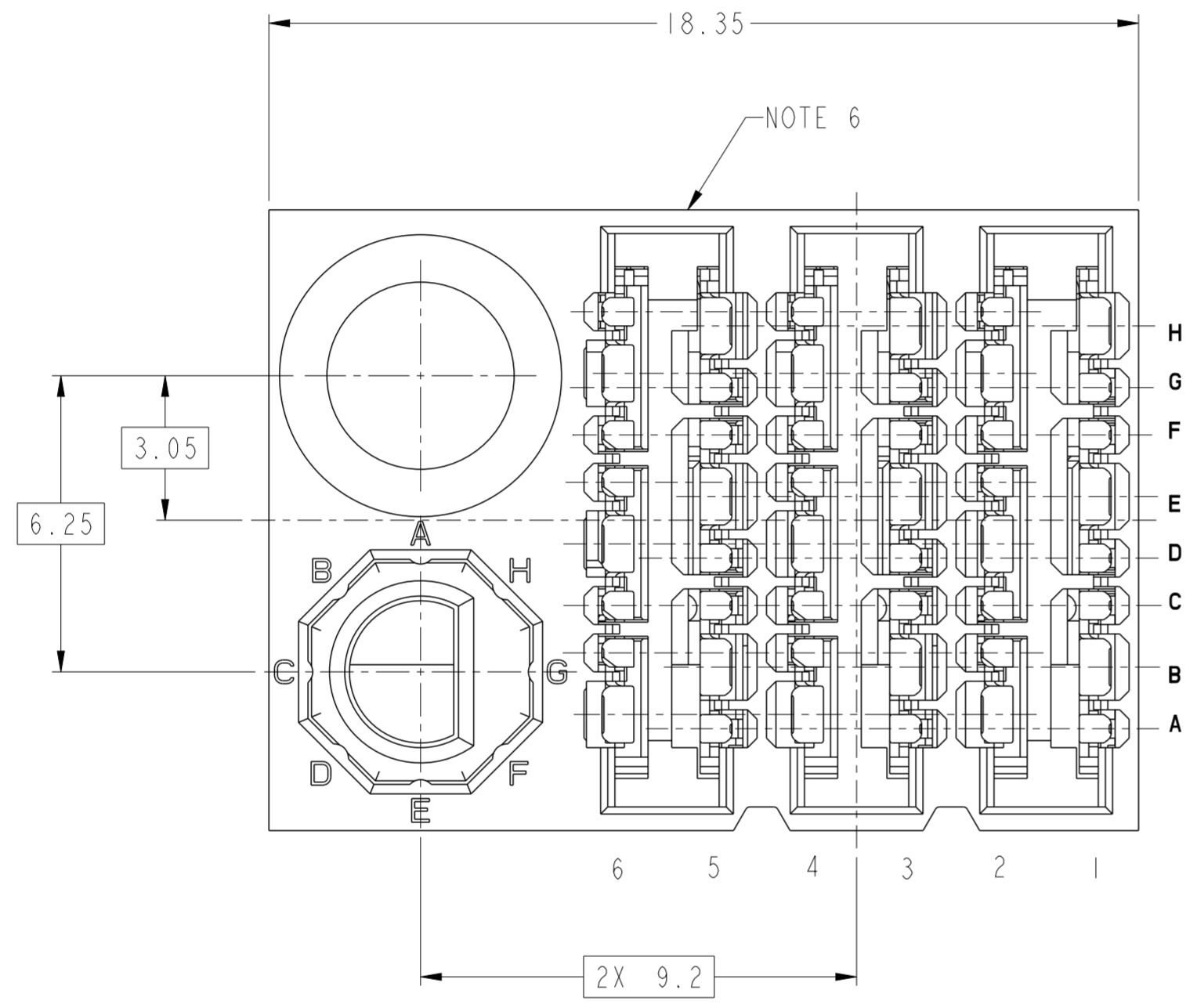
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DETAIL B
SCALE 20:1

**10128332-Y1ALF THRU -Y1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1**

| | | | | | | | | | | |
|---------------------------------------|-------------|------|-------------|----------------|---|----|--------------------|----------|-----------------------|------------------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 10:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | Preliminary |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | product family | | | | | | |
| surface | linear | 0.X | ±.3 | | title ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | | dwg no 10128332 | rev 8 | cat. no. SEE TABLE | Product - Customer Drw |
| | | 0.XX | ±.10 | | | | | | | |
| | angular | 0° | ±° | | | | | | | |
| sheet 7 of 10 | | | | | | | | | | |

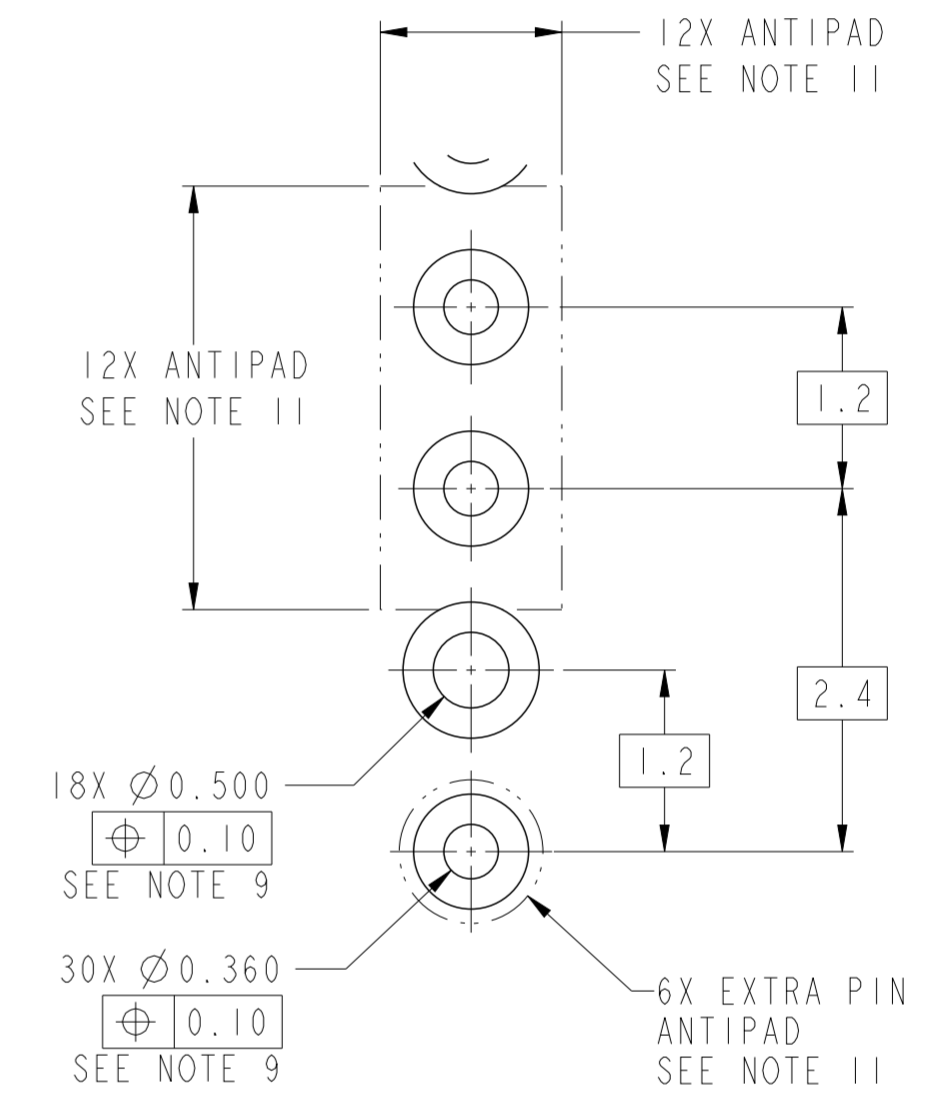
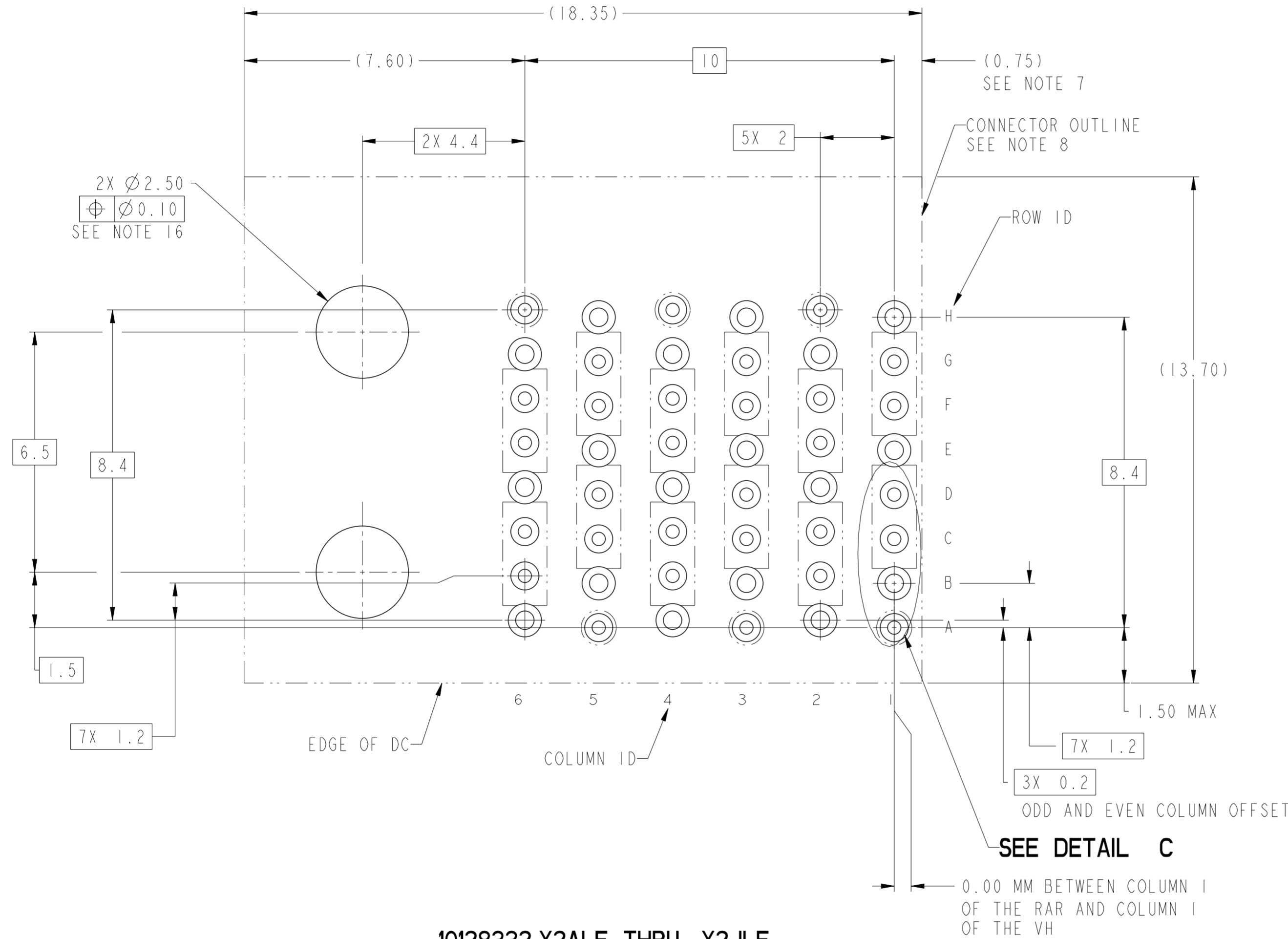


10128332-Y2ALF THRU 10128332-Y2JLF
 LEFT GUIDANCE (SEE NOTE 17)
 FOR ALL DIMENSIONS SEE 10128332-101LF ON SHEET 1
 SCALE 8:1

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| | | | | | | | | | | |
|---------------------------------------|-------------|---------|-------------|----------------|------------|---|--------------------|-----------|------------------------|-----|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 2:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | product family | | | ExaMAX | rel level | Preliminary | |
| surface | - ✓ | linear | 0.X | ±.3 | | title ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no 10128332 | rev 8 | cat. no. | |
| | | | 0.XX | ±.10 | | | | | Product - Customer Drw | |
| | | | 0.XXX | ±.050 | | | | | sheet 8 of 10 | |
| | | angular | 0° | ±° | | | | | | |



DETAIL C
SCALE 20:1

10128332-Y2ALF THRU -Y2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

| | | | | | | | | | | |
|---------------------------------------|-------------|---------|-------------|------------|---------------------|--|--------------------|----------|-----------------------|------------------------|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 8:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | | ecn no | - | rel level | Preliminary |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | app | | | | | | |
| surface | - | linear | 0.X | ±.3 | Amphenol FCI | ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | dwg no 10128332 | rev 8 | cat. no. SEE TABLE | Product - Customer Drw |
| | | | 0.XX | ±.10 | | | | | | |
| | | | 0.XXX | ±.050 | | | | | | |
| | | angular | 0° | ±° | | | | | | sheet 9 of 10 |

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10128332 - Y Y Y L F

| ASSEMBLY PART NUMBER | DESCRIPTION |
|----------------------|------------------------------|
| 10128332-1YYLF | STANDARD MATE |
| 10128332-2YYLF | ADVANCED MATE |
| 10128332-3YYLF | SHORT DETECT |
| 10128332-4YYLF | ADVANCED MATE & SHORT DETECT |

| MODULE DESCRIPTION | DESIGNATION REPRESENTED IN DASH NUMBER | | | | | | | | | | BASE MODEL |
|-------------------------------------|---|----|----|----|----|----|----|----|-------------|--|------------|
| | WITHOUT END GUIDES MODULE (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) | | |
| | | | | | | | | | | | |

NOTES:

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS IS 2.0 MM FOR THIS BAR AND THE MATING HEADER. 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 APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, 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 RECEPTACLE, 10128332-2YYLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

- ⑭ - THE SHORT DETECT RECEPTACLE, 10128332-3YYLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCE MATE/SHORT DETECT RECEPTACLE, 10128332-4YYLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER 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, TWO PHILLIPS PAN HEAD M2 HOLD DOWN SCREWS MUST BE USED TO SECURE THE CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 1.5-2.7MM PLUS THE THICKNESS OF THE BOARD. SCREWS ARE 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.

| | | | | | | | | | | | |
|---------------------------------------|-------------|------|-------------|---------------------|------------|--------|--------------------------------------|-------------|-----------|------------------------|--|
| spec ref | --- | dr | Daniel Xiao | 2014/01/20 | projection | MM | size | A2 | scale | 1:1 | |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2016/04/17 | | ← MM → | ecn no | - | rel level | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | product family | | | ExaMAX | Preliminary | | | |
| surface | linear | 0.X | ±.3 | Amphenol FCI | title | | ExaMAX R.A. RECEPTACLE LOW PROFILE | dwg no | 10128332 | | |
| | | 0.XX | ±.10 | | + title | | ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM | | rev | 8 | |
| | angular | 0° | ±° | | cat. no. | | SEE TABLE | | | Product - Customer Drw | |

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