

PRODUCT NUMBER  
SEE TABLE

EVEN COLUMN,  
CONTACT ROW ID

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

4X 1  
SIG PAIR  
CENTERS

4X 3.6  
SIG CENTERS

1.3  
ROW A TO  
FIRST SIG

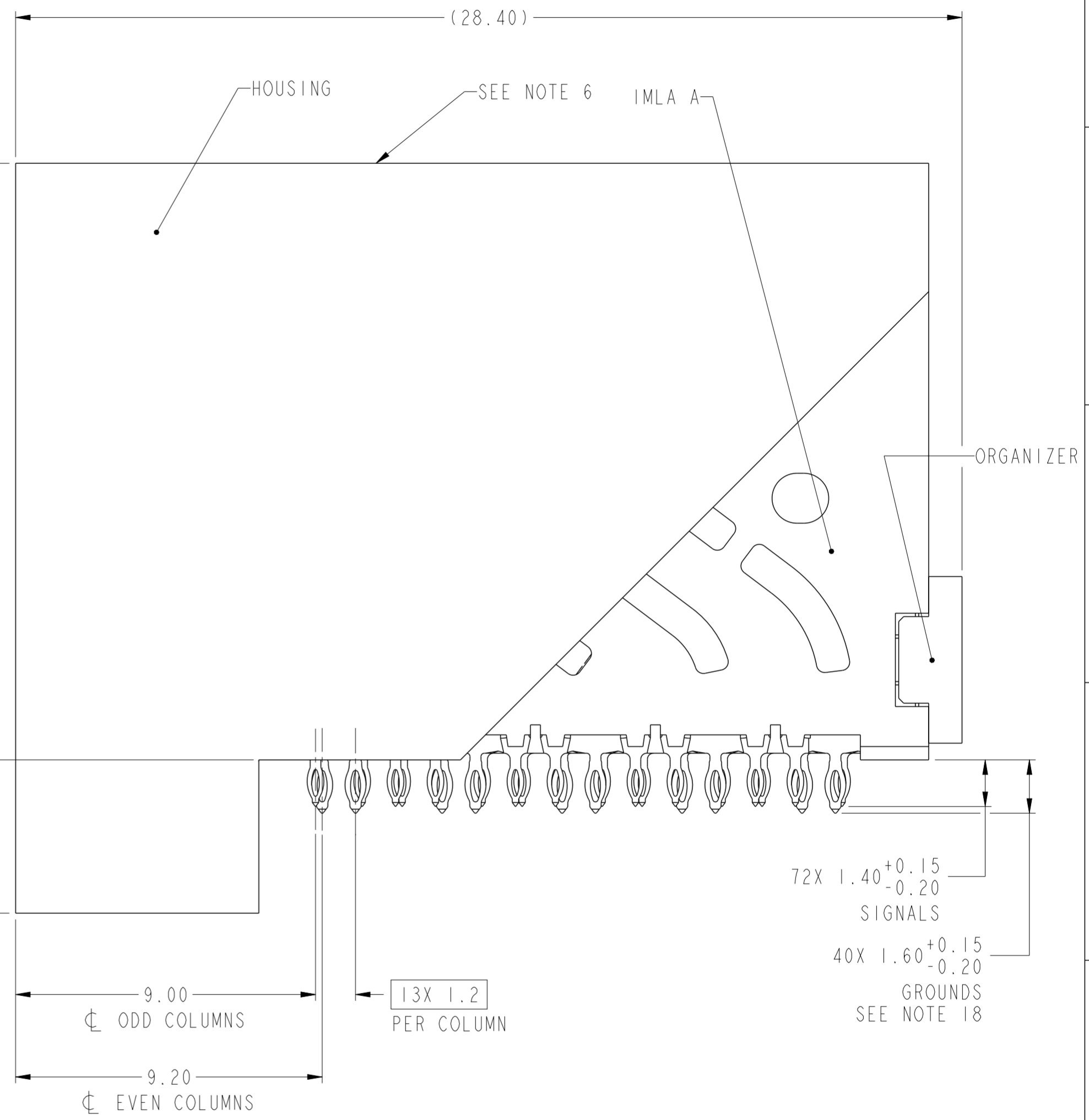
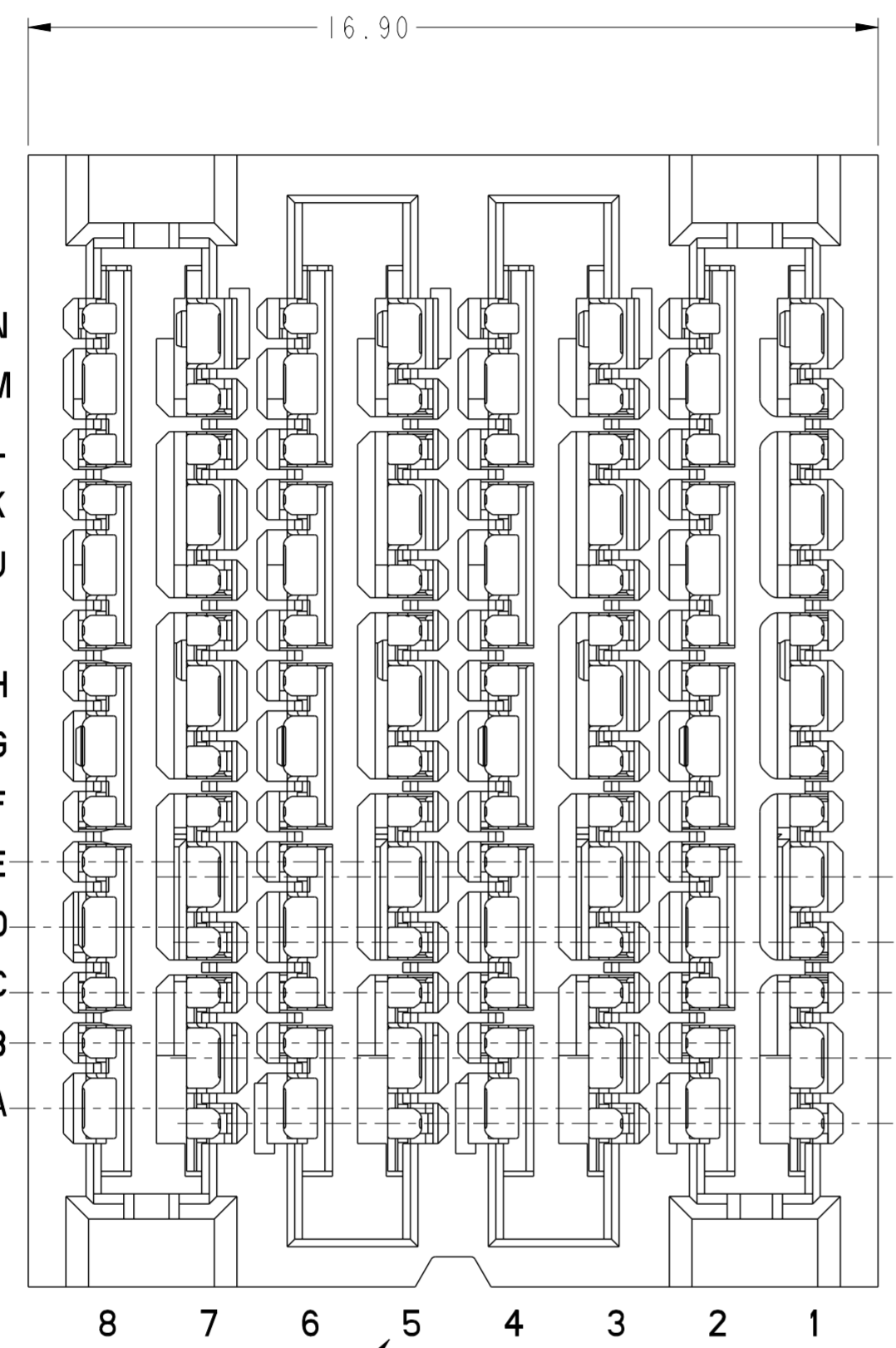
4X 3.6  
GND CENTERS

4X 1  
SIGNAL PAIR  
CENTERS

4X 3.6  
GRD CENTERS

1.3  
ROW A TO  
FIRST GRD

4X 3.6  
SIG CENTERS

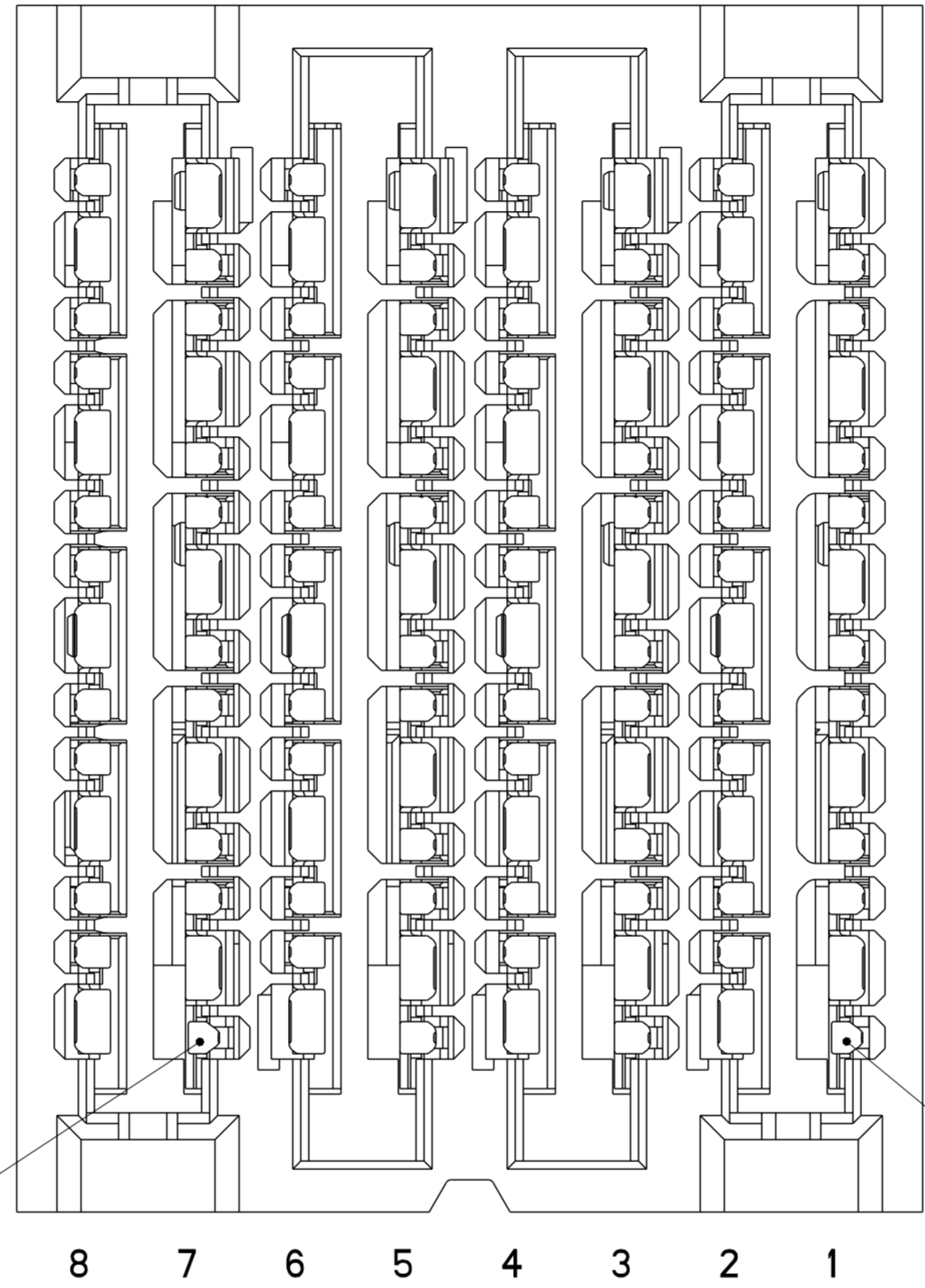


**10135216-101LF**  
**STANDARD MATE RECEPTACLE**  
**SCALE 8:1**

spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-	product family						
ISO 1101		appr	-							
surface	linear	0.X	±.3	<b>Amphenol FCI</b>	<b>ExaMAX R.A. RECEPT. ASSY</b> 4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA	dwg no 10135216	rev 2	Product - Customer Drw		
		0.XX	±.10					cat. no.	SEE TABLE	sheet 1 of 11
	angular	0°	±°							

Amphenol FCI

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ADVANCED MATE  
POSITION A7  
SEE NOTE 13

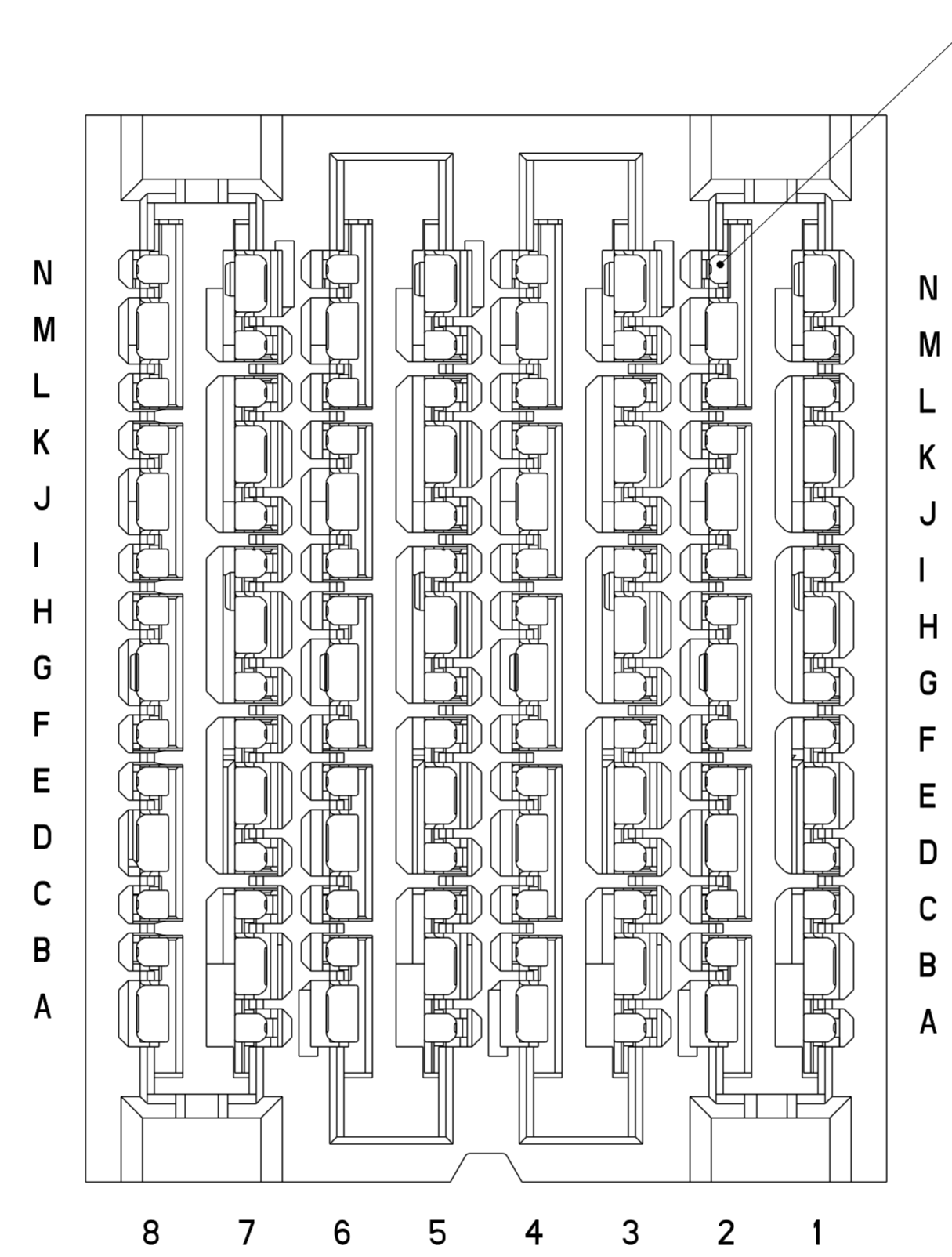
ADVANCED MATE  
POSITION A1  
SEE NOTE 13

**10135216-201LF**  
**ADVANCED MATE RECEPTACLE**  
**ADVANCED MATE POSITIONS ARE A1 & A7 ONLY**  
**FOR ALL DIMENSIONS SEE 10135216-101LF ON SHEET 1**  
**SCALE 8:1**

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spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406 ISO 1101		chr	-	product family			ExaMax			
surface	linear	0.X	±.3	<b>Amphenol FCi</b>	title ExaMAX R.A. RECEPT. ASSY 4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA	cat. no. SEE TABLE	Product - Customer Drw	sheet 2 of 11	rev	2
ISO 1302	angular	0°	±°						dwg no	10135216



SHORT DETECT  
POSITION N2  
SEE NOTE 14

10135216-301LF  
SHORT DETECT RECEPTACLE  
SHORT DETECT POSITION IS N2  
FOR ALL DIMENSIONS SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

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spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level Preliminary		
ISO 406		chr	-	-			product family	ExaMax	rel level	Preliminary	
ISO 1101		appr	-	-			title	ExaMAX R.A. RECEPT. ASSY		rev	2
surface	linear	0.X	±.3			cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 11		
		0.XX	±.10								
		0.XXX	±.050								
ISO 1302	angular	0°	±°								

A

B

C

D

E

F

A

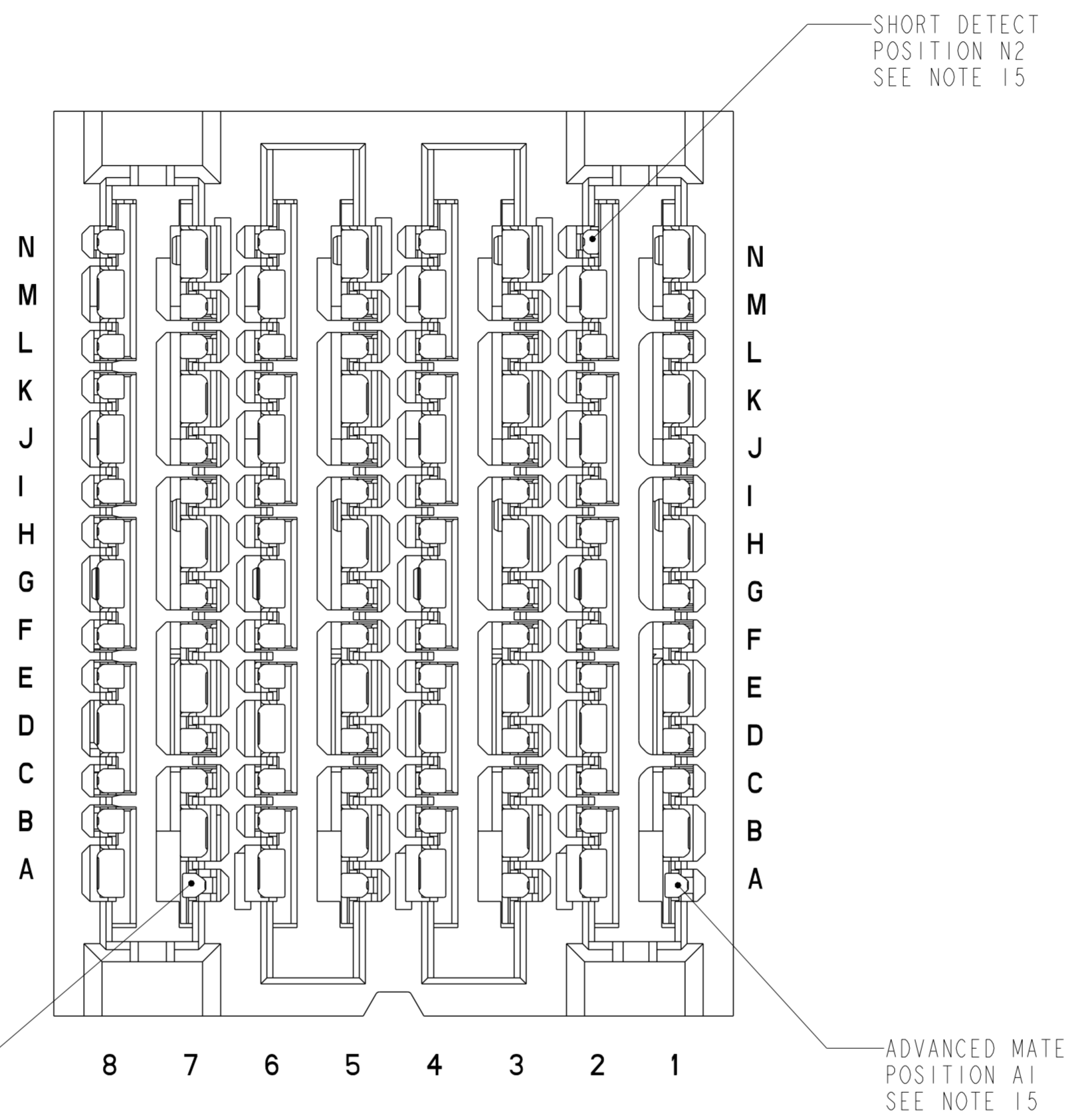
B

C

D

E

F

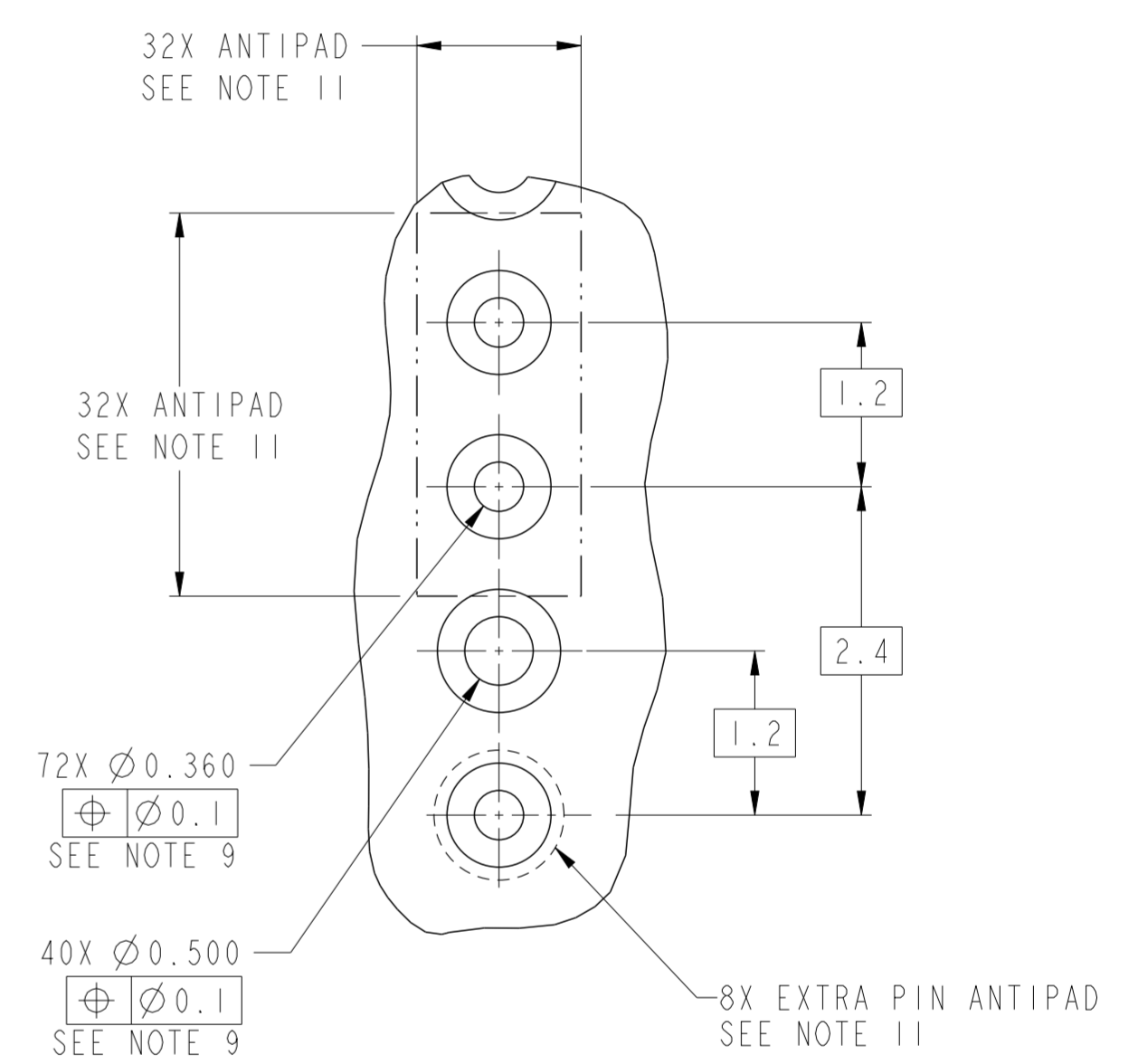
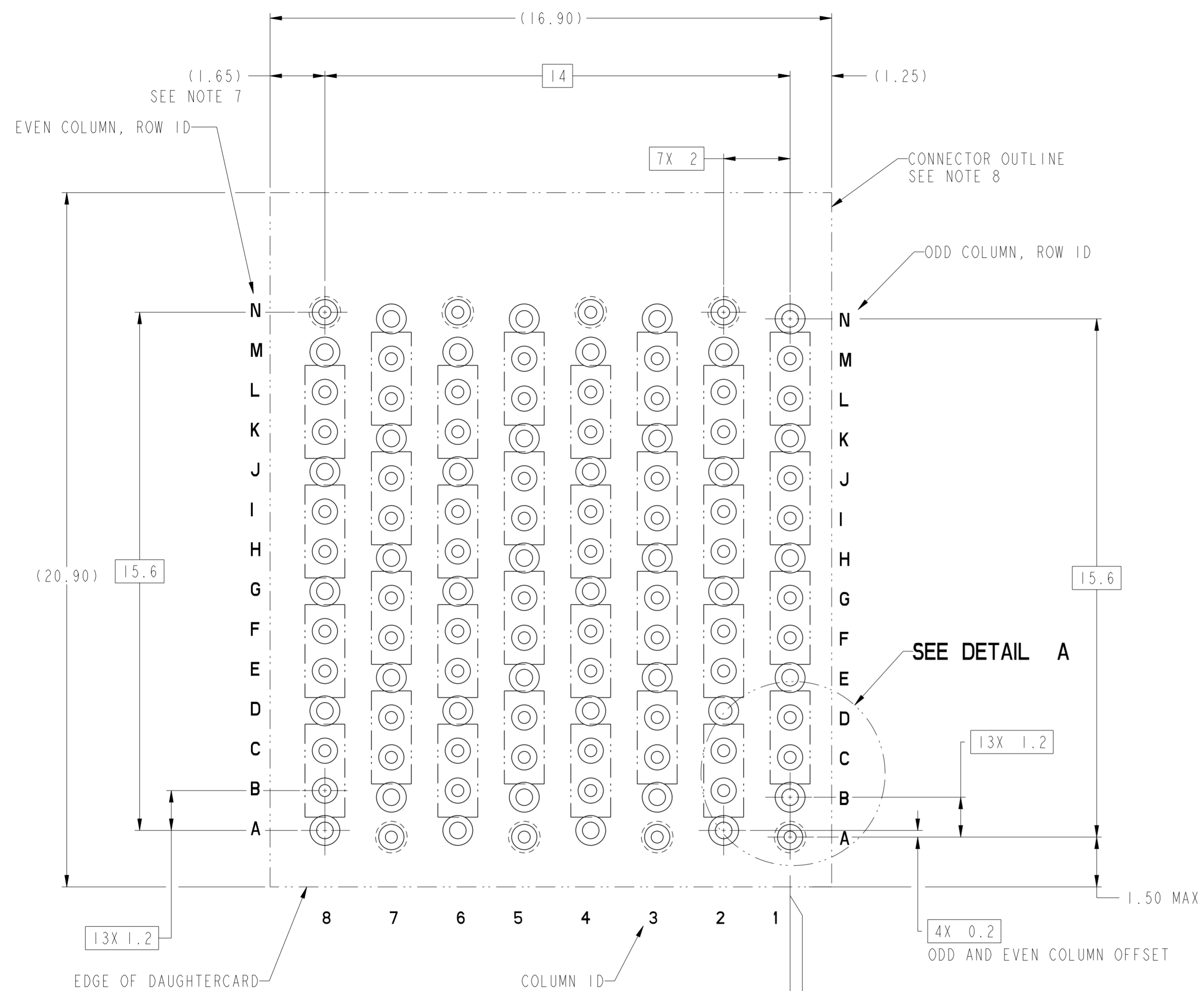


**10135216-401LF**  
**ADVANCE MATE/SHORT DETECT RECEPTACLE**  
**ADVANCED MATE POSITIONS ARE A1 & A7 ONLY**  
**SHORT DETECT POSITION IS N2**  
**FOR ALL DIMENSIONS SEE 10135216-101 ON SHEET 1**  
**SCALE 8:1**

**Amphenol  
FCi**

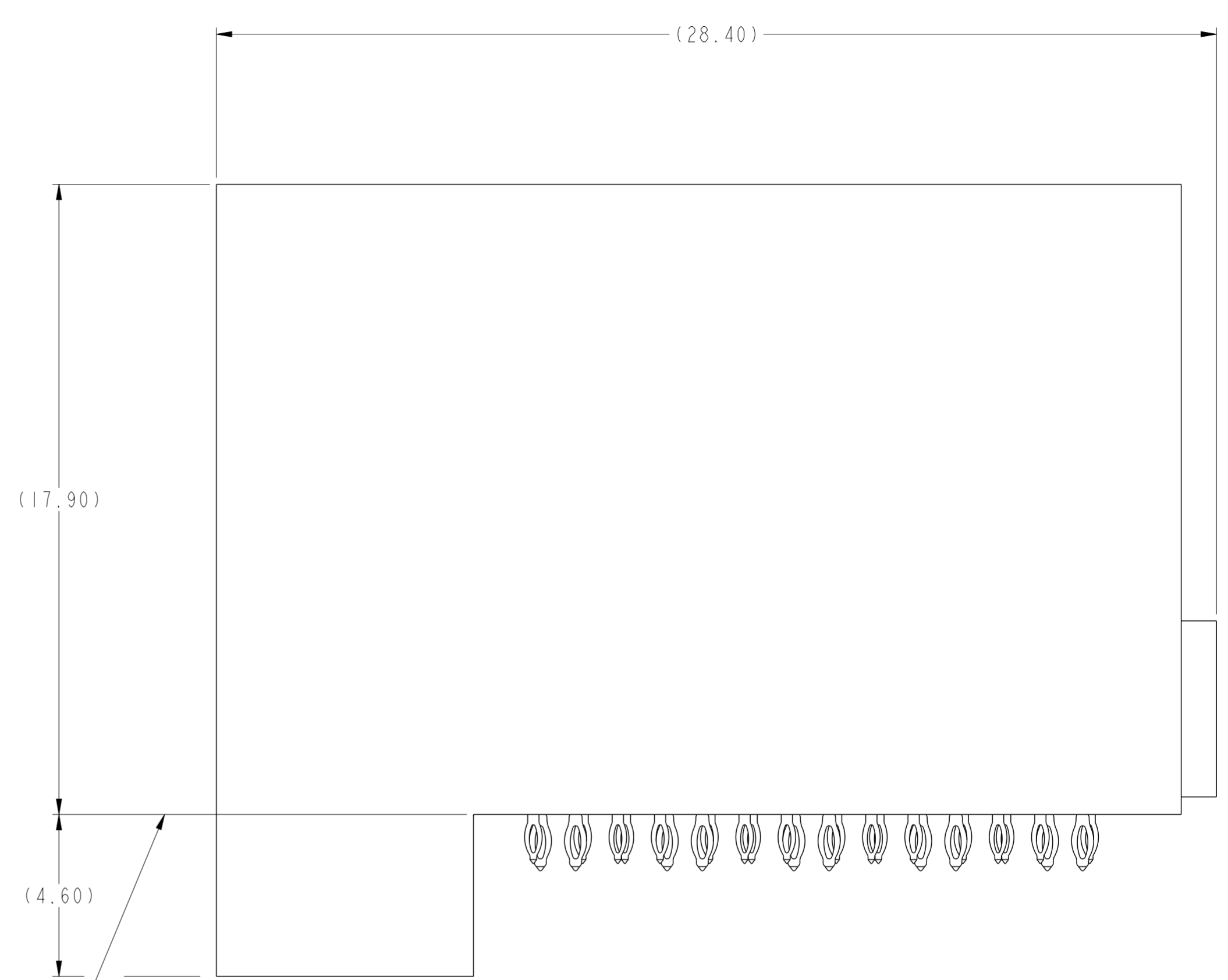
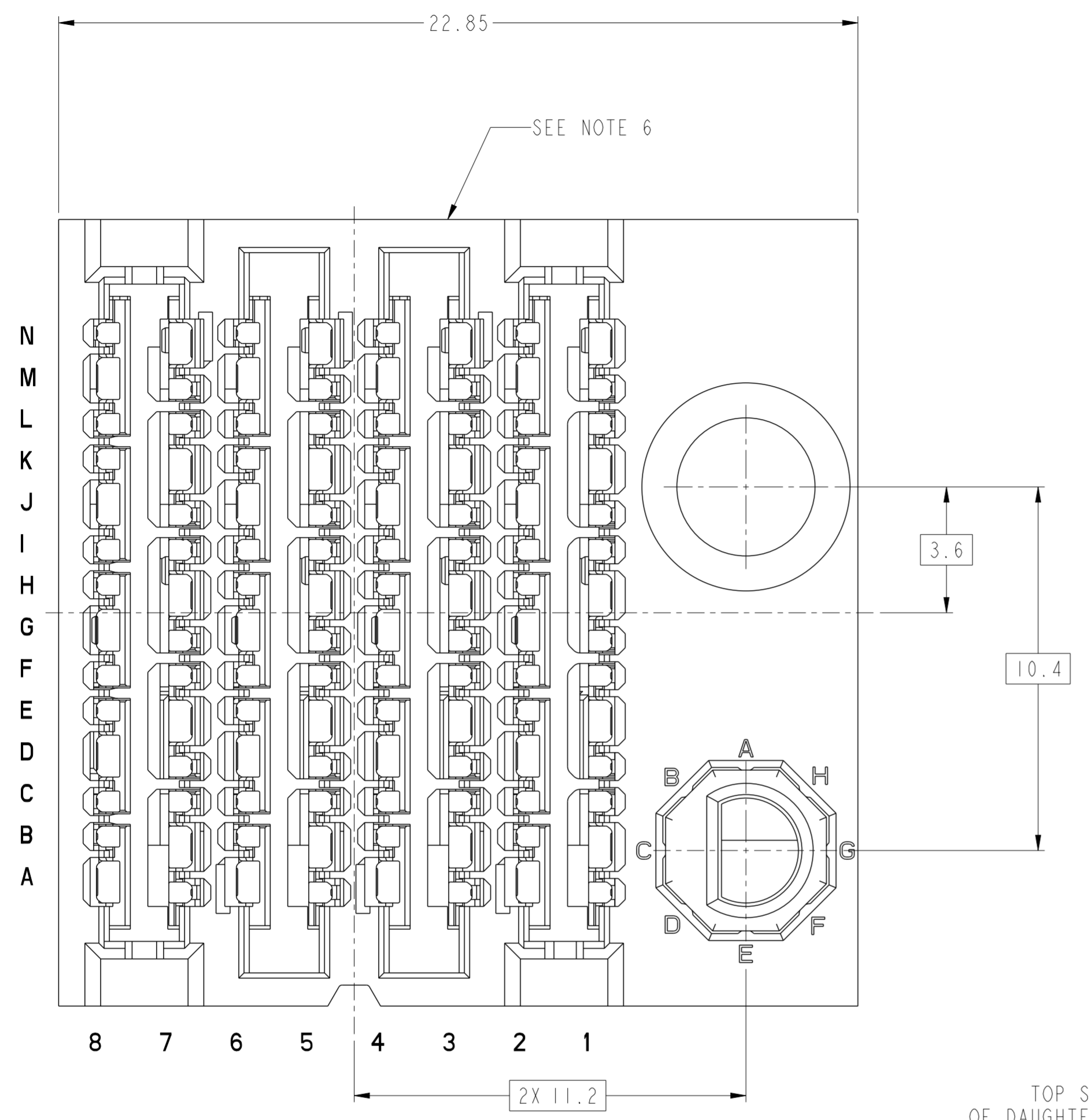
© 2016 AFci

spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	
ISO 406		chr	-	-			rel level	Preliminary		
ISO 1101		appr	-	-	product family	ExaMax	rev		2	
surface	linear				title ExaMAX R.A. RECEPT. ASSY 4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA		dwg no 10135216	rev 2		
ISO 1302	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11			



10135216-X01LF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 10:1

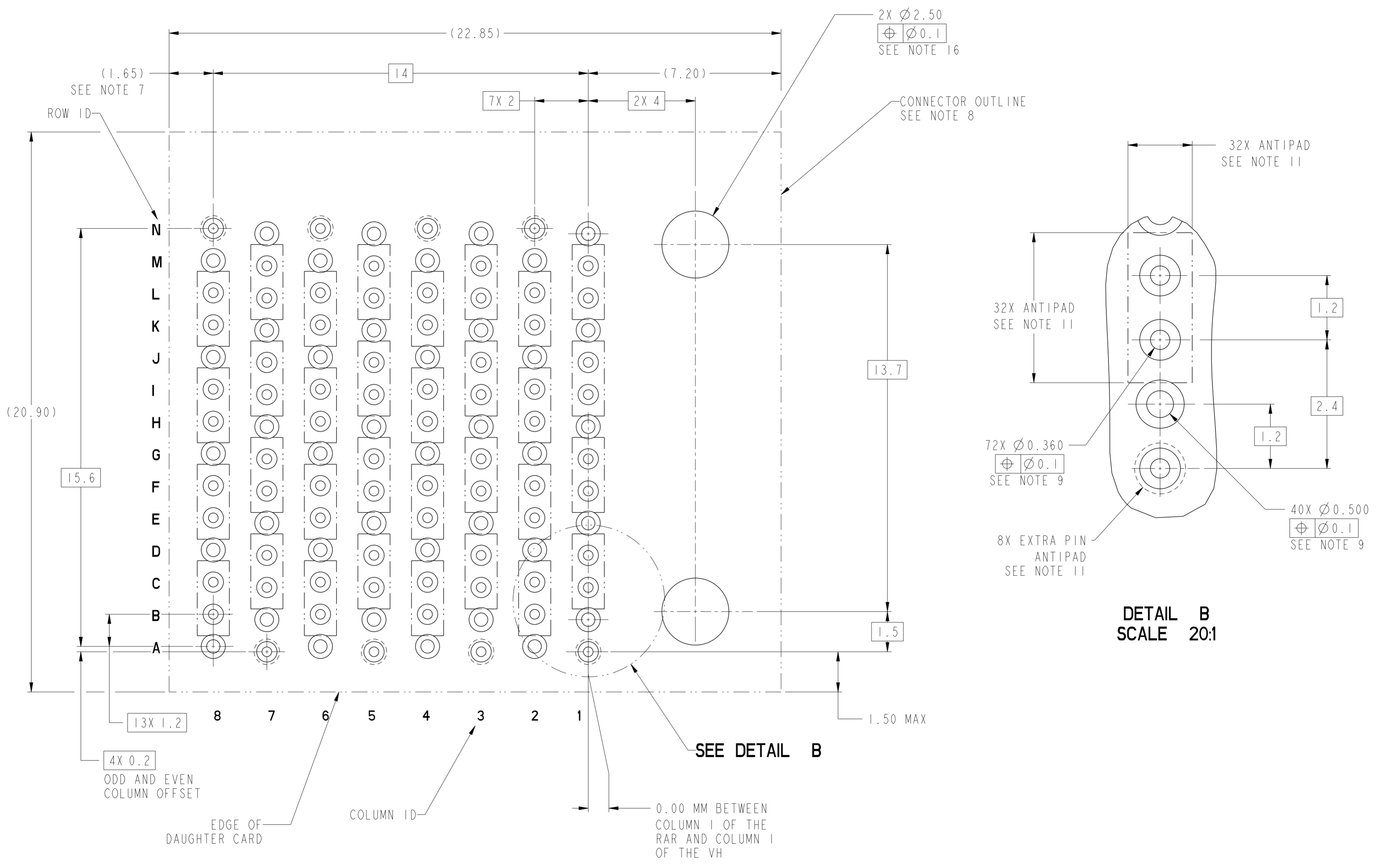
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406 ISO 1101		chr	-	appr						
surface	linear	0.X	±.3	Amphenol FCi		title		ExaMAX R.A. RECEPT. ASSY		rev
		0.XX	±.10	4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA		dwg no		10135216		2
	angular	0°	±°	cat. no.		Product - Customer Drw		sheet 5 of 11		



TOP SURFACE  
OF DAUGHTER CARD

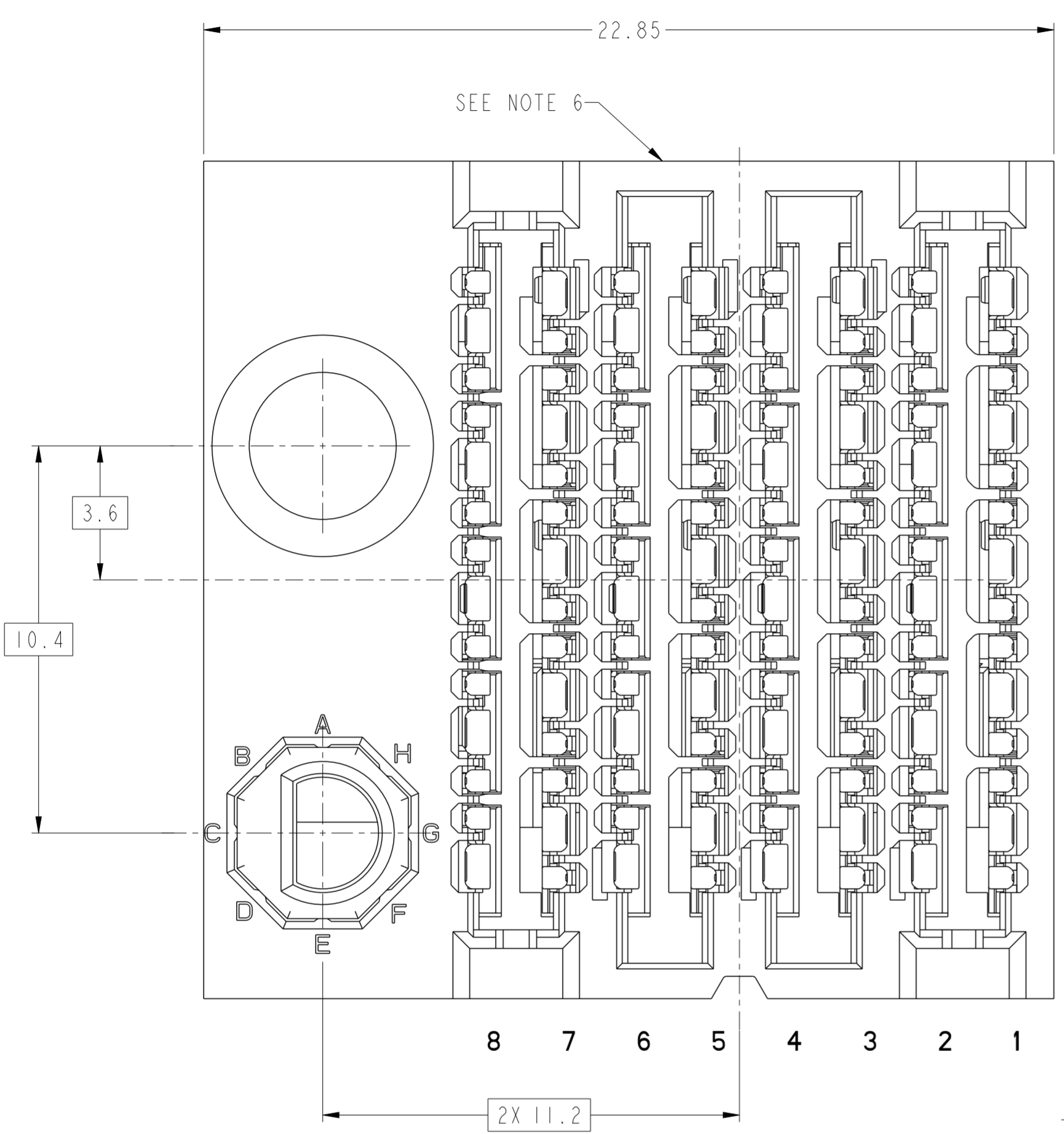
10135216-X1ALF THRU -X1JLF  
RIGHT GUIDANCE (SEE NOTE 17)  
FOR ALL DIMENSION SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406 ISO 1101		chr	-	product family			ExaMax			
surface	linear	0.X	±.3	<b>Amphenol FCi</b>	title ExaMAX R.A. RECEPT. ASSY 4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA	dwg no 10135216	rev 2	cat. no. SEE TABLE	Product - Customer Drw	sheet 6 of 11
		0.XX	±.10							
		0.XXX	±.050							
ISO 1302	angular	0°	±°							

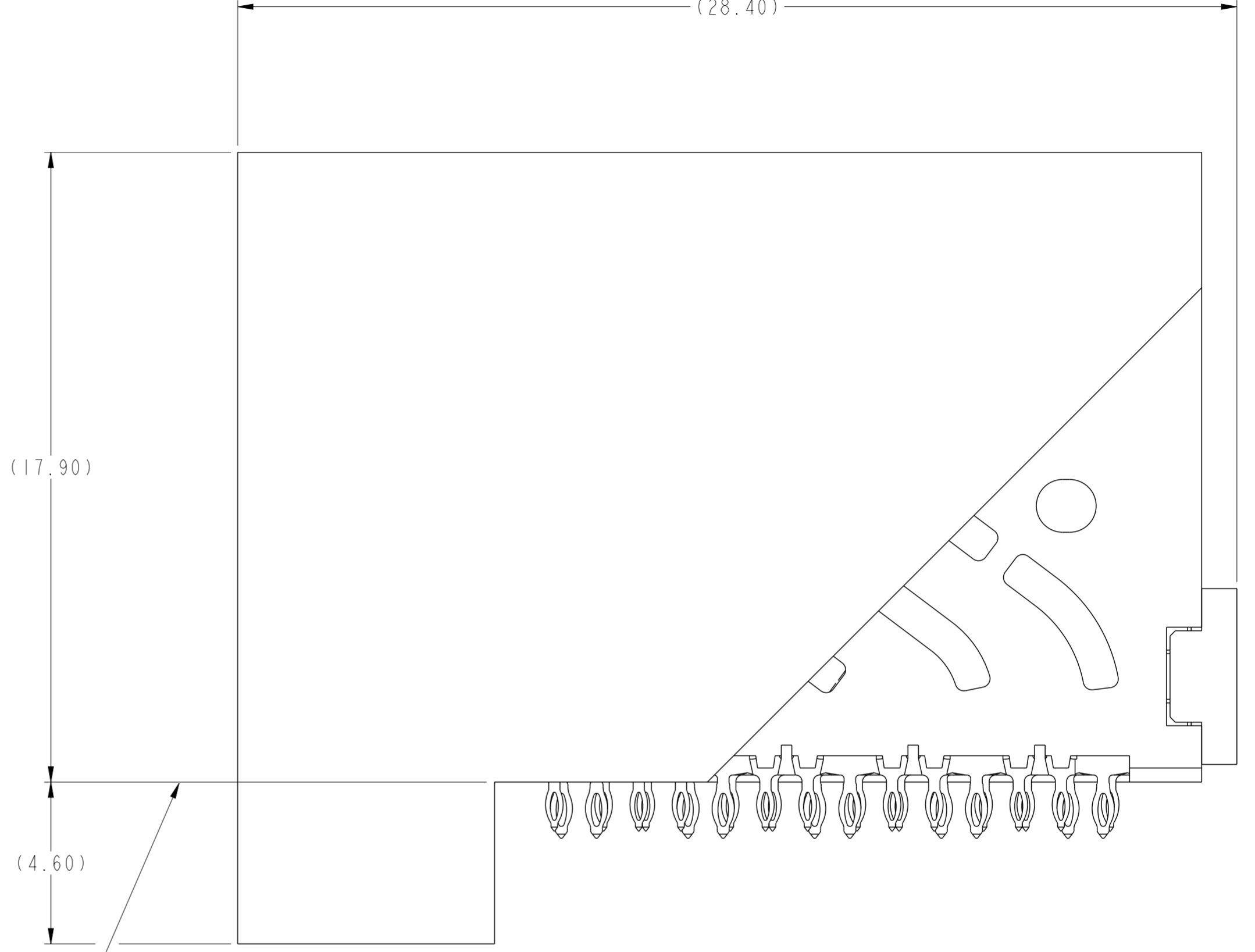


10135216-X1ALF THRU -X1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-							
ISO 1101		appr	-		product family	-				
surface	linear	Amphenol FCI			title			ExaMAX R.A. RECEPT. ASSY		
	0.X ±.3	4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA			dwg no			10135216		
	0.XX ±.10	cat. no.			Product - Customer Drw			sheet 7 of 11		
	0.XXX ±.050				rev			2		
ISO 1302	angular									
	0° ±°									



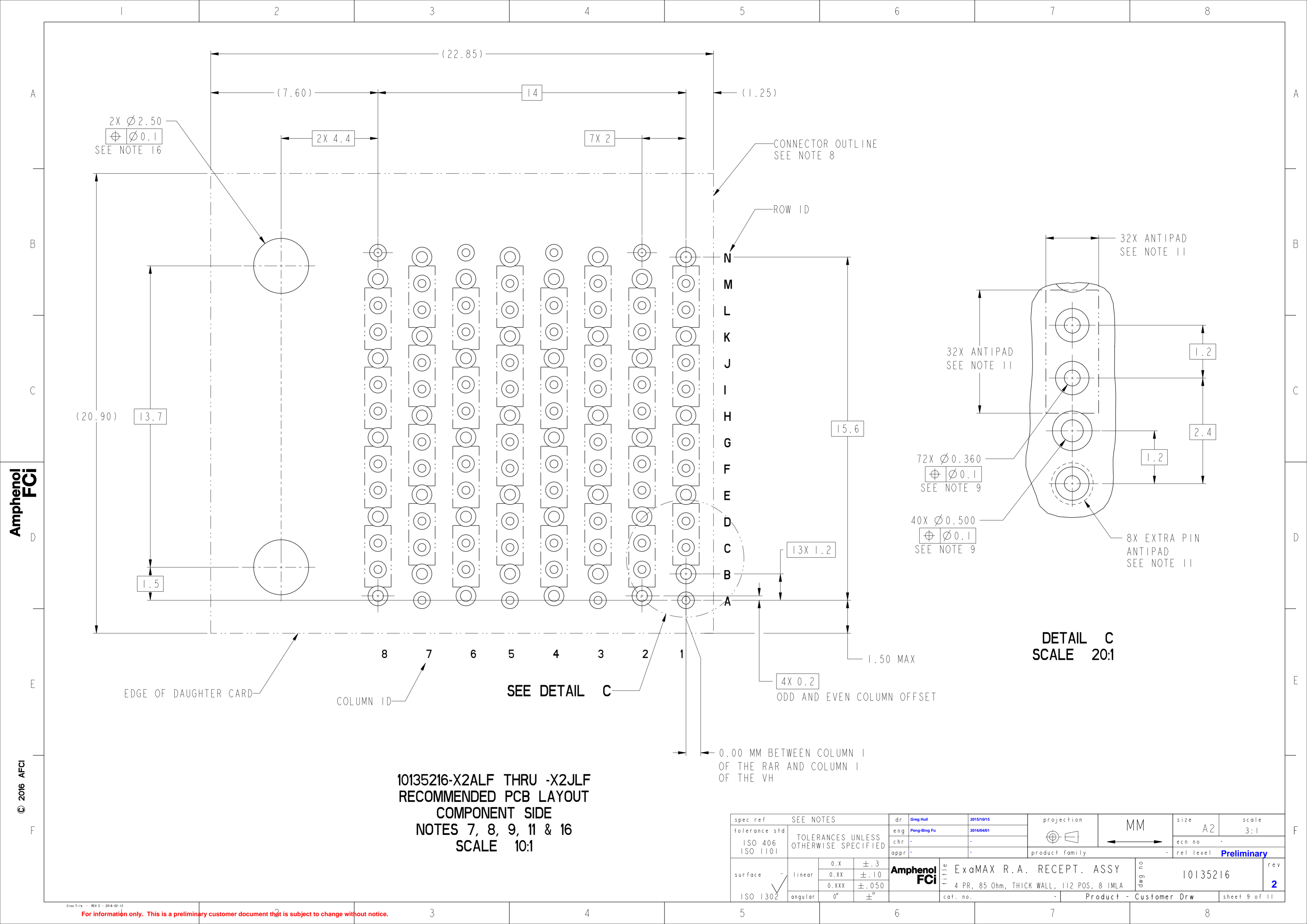
TOP SURFACE OF DAUGHTER CARD



10135216-X2ALF THRU -X2JLF  
LEFT GUIDANCE (SEE NOTE 17)  
FOR ALL DIMENSIONS SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-							
ISO 1101		appr	-		product family	ExaMax				
surface	linear	0.X	±.3		title		ExaMAX R.A. RECEPT. ASSY		dwg no 10135216	rev 2
		0.XX	±.10		4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA					
		0.XXX	±.050		cat. no. SEE TABLE					
ISO 1302	angular	0°	±°	Product - Customer Drw		sheet 8 of 11				





10135216-X2ALF THRU -X2JLF  
 RECOMMENDED PCB LAYOUT  
 COMPONENT SIDE  
 NOTES 7, 8, 9, 11 & 16  
 SCALE 10:1

DETAIL C  
 SCALE 20:1

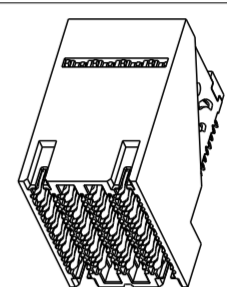
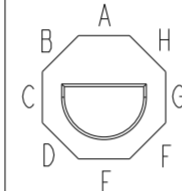
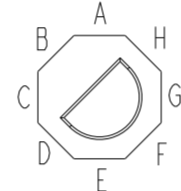

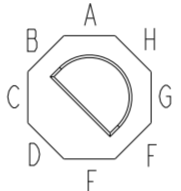
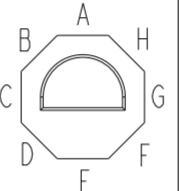
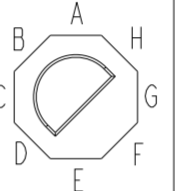
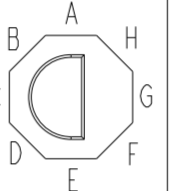
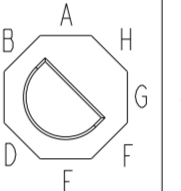
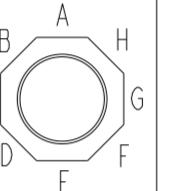
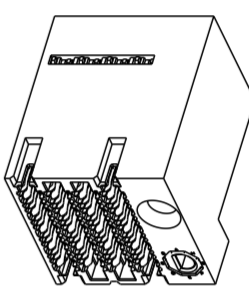
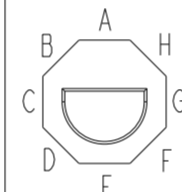
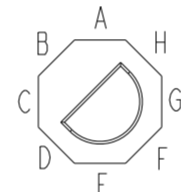
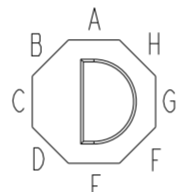
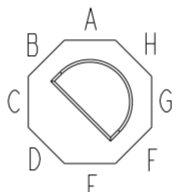
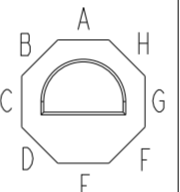
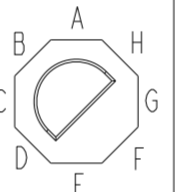
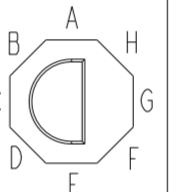
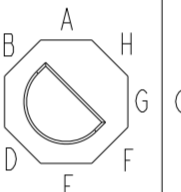
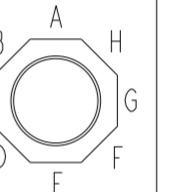
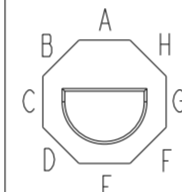
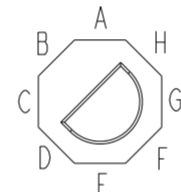
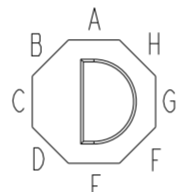
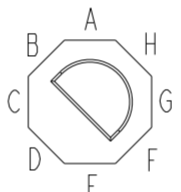
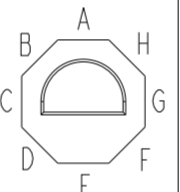
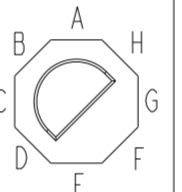
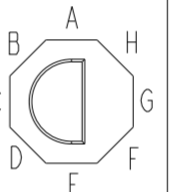
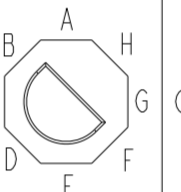
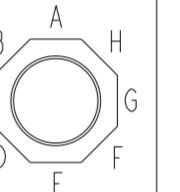
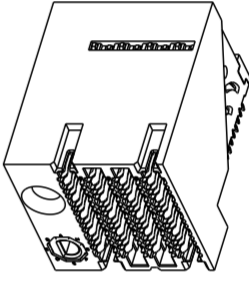
spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-							
ISO 1101		appr	-		product family	-	rel level	-		
surface	linear	Amphenol FCI			title			ExaMAX R.A. RECEPT. ASSY		
	angular	0.X	±.3		4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA			dwg no	10135216	
		0.XX	±.10		cat. no.	-	Product - Customer Drw	rev	2	
		0.XXX	±.050		sheet 9 of 11					

Amphenol FCI

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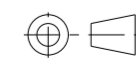
10135216 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10135216-1YYLF	STANDARD MATE
10135216-2YYLF	ADVANCED MATE
10135216-3YYLF	SHORT DETECT
10135216-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		
WITHOUT END GUIDES MODULE (SEE SHEET 1)	01										
RIGHT GUIDANCE MODULE (SEE SHEET 6)											
											
LEFT GUIDANCE MODULE (SEE SHEET 8)											

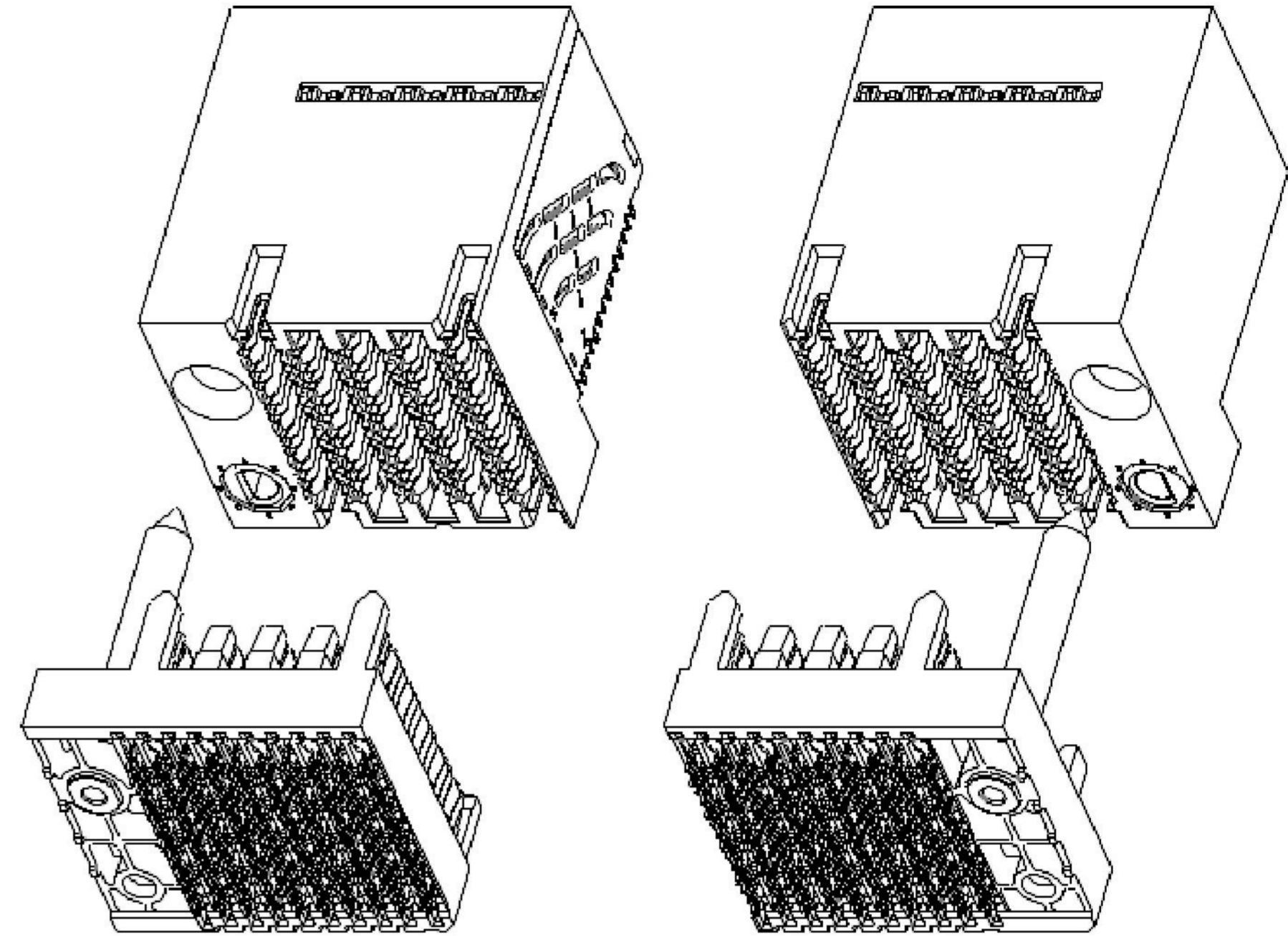
Amphenol FCI

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spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	1:1						
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01		← →	ecn no	-	rel level	Preliminary						
ISO 406 ISO 1101		chr	-	-							product family	ExaMax				
surface	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPT. ASSY	dwg no	10135216	rev	2						
ISO 1302	0.XX	±.10	angular								0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 10 of 11
	0.XXX	±.050														

NOTES:

- ① - CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: STAINLESS STEEL
- 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 3.0 MM FOR THIS RAR 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, 10135216-2XXLF, 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, 10135216-3XXLF, 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, 10135216-4XXLF, 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 SCREW MUST BE USED TO SECURE THE CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0-6.0mm 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 ARE COMMONED WITHIN A COLUMN.



LEFT GUIDE

RIGHT GUIDE

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

spec ref	SEE NOTES	dr	Greg Hull	2015/10/15	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-	product family			ExaMax			
ISO 1101		appr	-							
surface	linear	0.X	±.3	<b>Amphenol FCI</b>	title ExaMAX R.A. RECEPT. ASSY 4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA	dwg no 10135216	rev 2	cat. no. SEE TABLE Product - Customer Drw sheet 11 of 11		
		0.XX	±.10							
		0.XXX	±.050							
ISO 1302	angular	0°	±°							

Amphenol FCI

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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

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