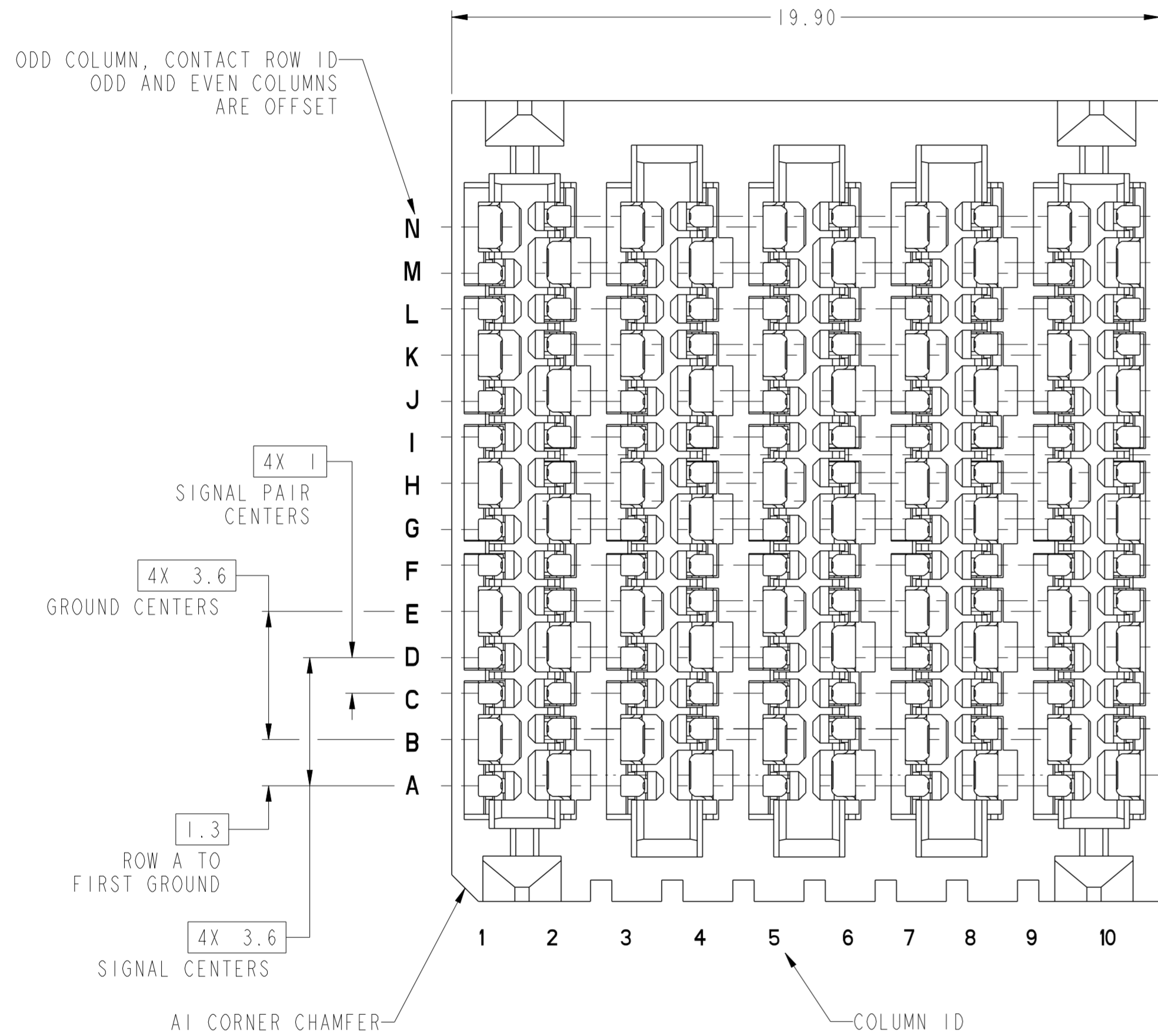
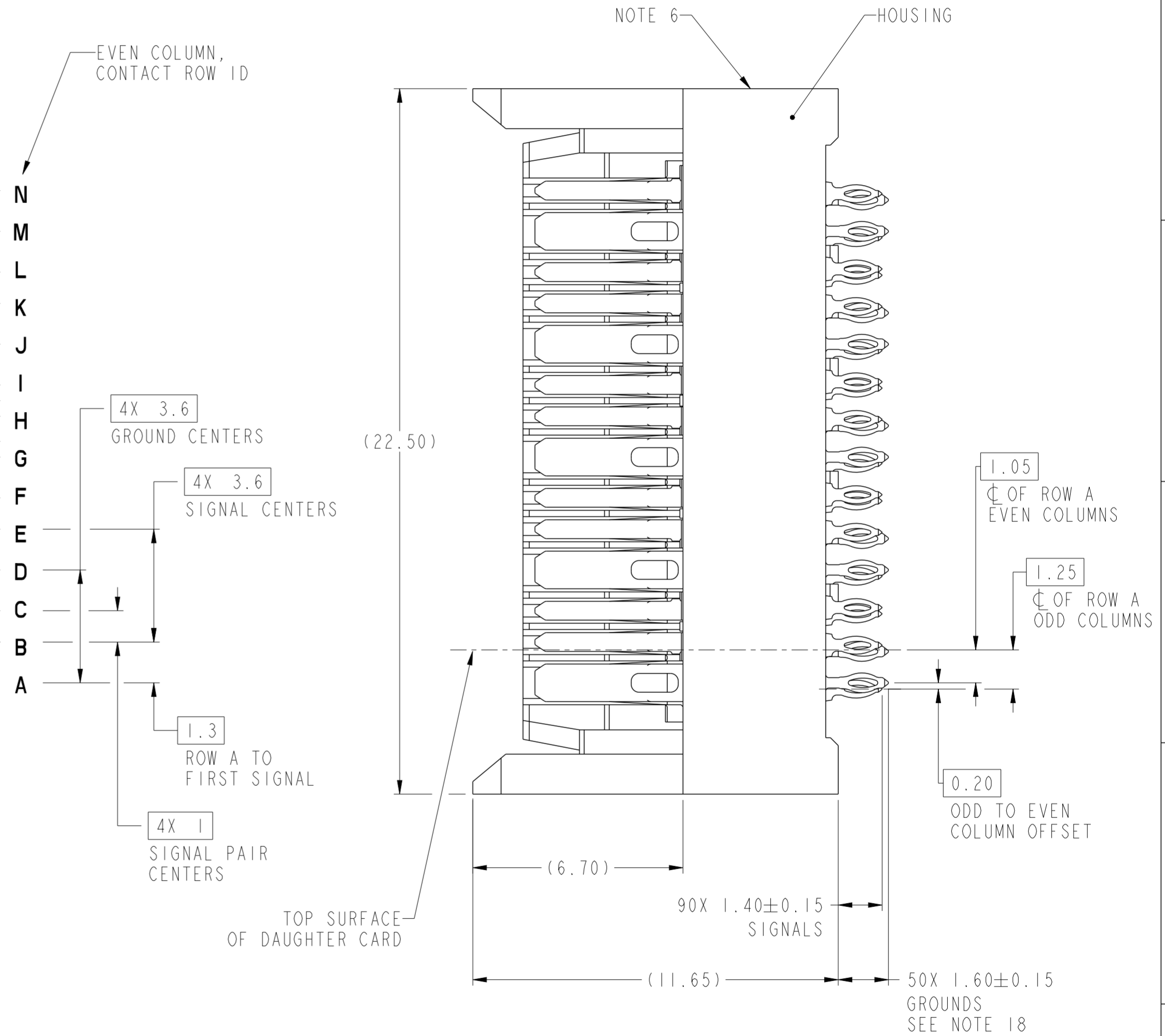


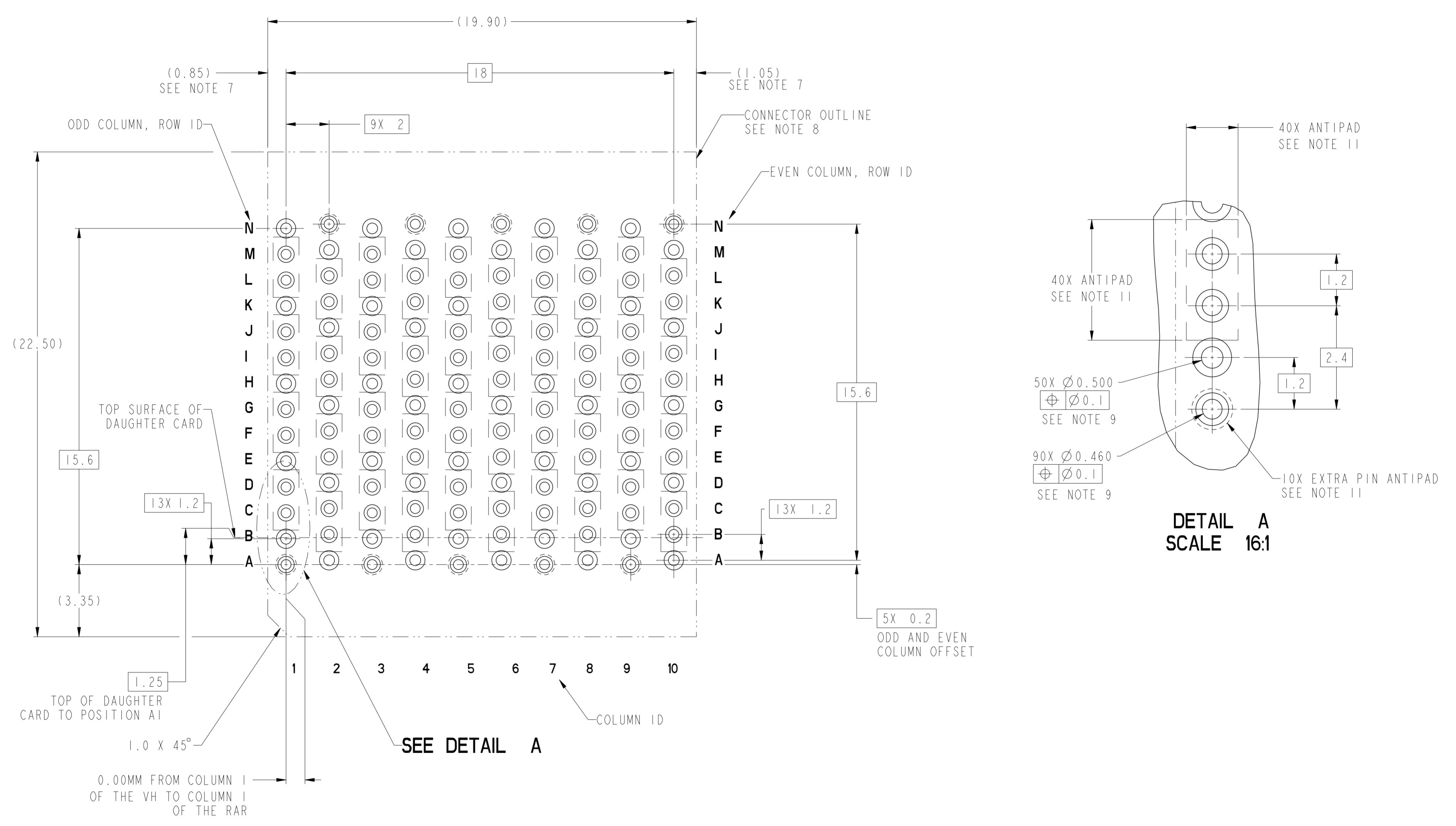
PRODUCT NUMBER  
SEE SHEET 10



**10137069-Y01LF**  
**(10137069-101LF STANDARD MATE CONNECTOR SHOWN)**



spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	projection	MM	size	A2	scale	8:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2018/01/05			ecn no	-	rel level	Released
ISO 406		chr	-	cat. no.						
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExaMAX	rel level	Released		
surface	linear			<b>ExaMAX VERTICAL HEADER ASSY</b>			10137069	rev	A	
ISO 1302	angular	0°	±°	4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON						

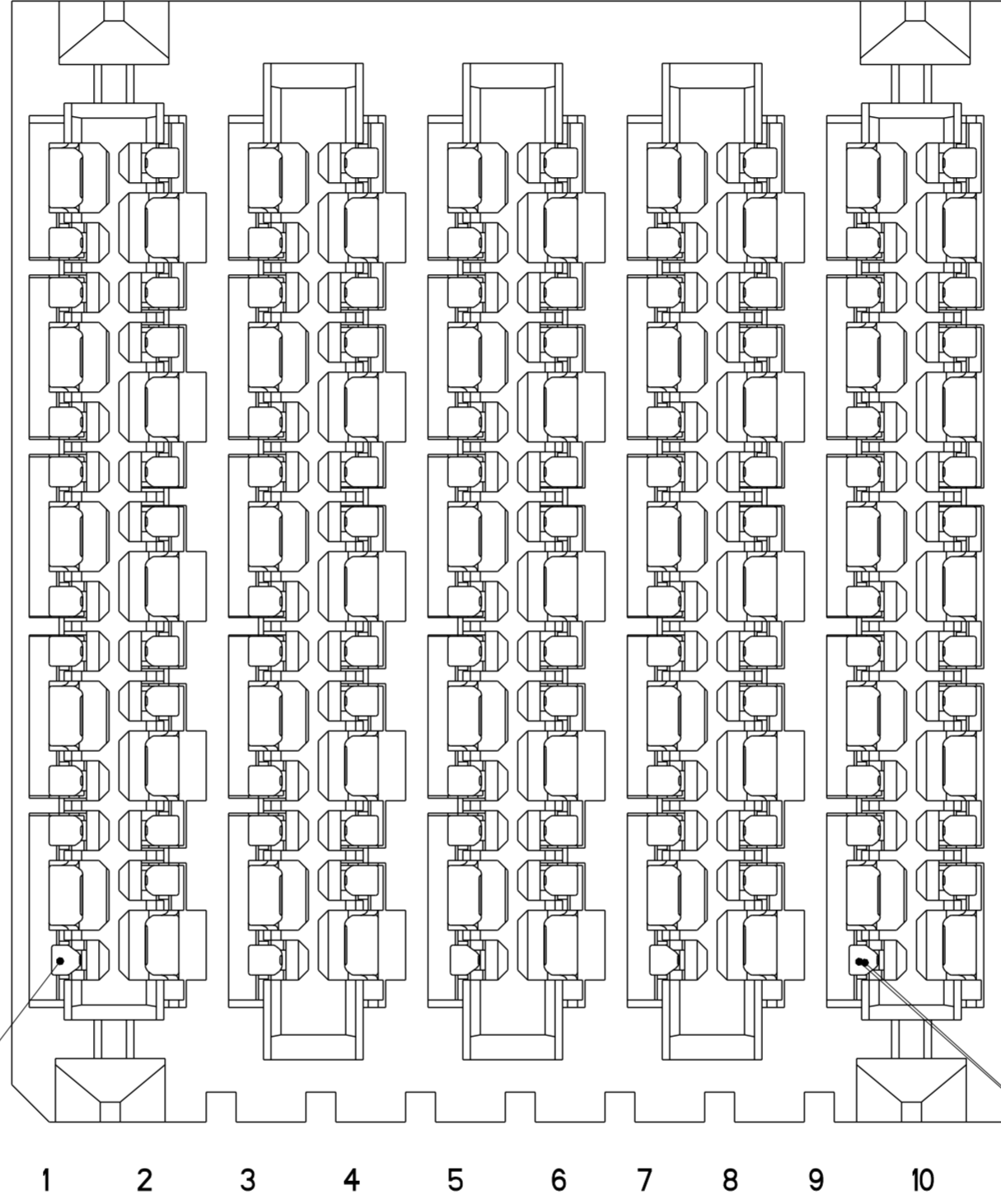


**RECOMMENDED PCB LAYOUT FOR  
10137069-Y01LF COMPONENT SIDE  
SEE NOTES 7, 8, 9, & 11**

spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2018/01/05			ecn no	-	rel level	Released
ISO 406 ISO 1101		chr	-	2018/01/05						
surface	linear	0.X	±.3		title		10137069 4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON	rev A	sheet 2 of 11	
		0.XX	±.10		part no.				SEE TABLE	Product - Customer Drw
	angular	0°	±°		cat. no.				SEE TABLE	Product - Customer Drw

1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F



ADVANCED MATE POSITION A1  
SEE NOTE 13

ADVANCED MATE POSITION A9  
SEE NOTE 13

**10137069-201LF**  
**ADVANCED MATE CONNECTOR**  
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
 FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

**Amphenol FCI**

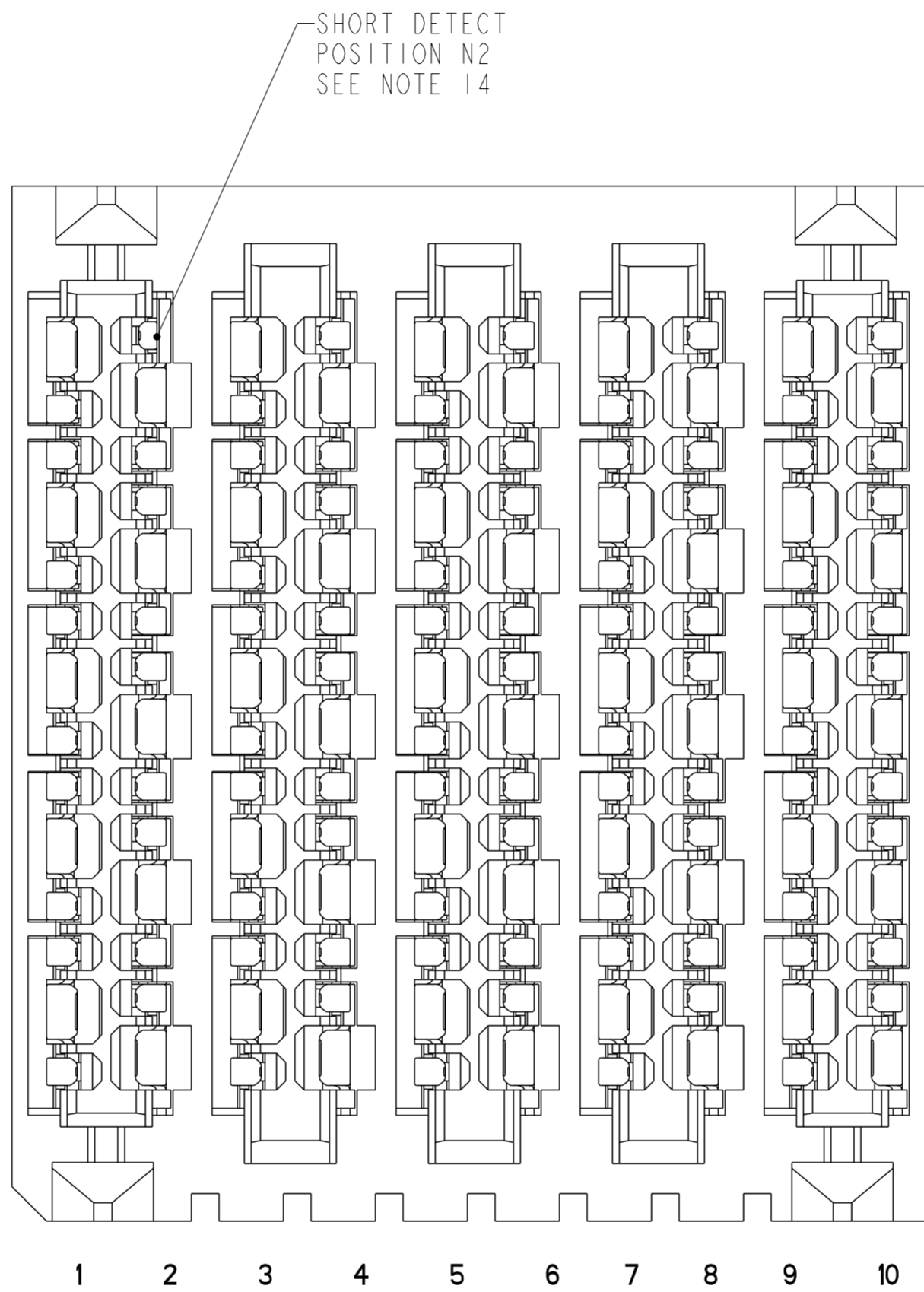
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spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	projection	MM	size	A2	scale	6:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2018/01/05			ecn no	-				
ISO 406		chr	-	rel level			Released					
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExaMAX						
surface	linear	<b>Amphenol FCI</b>			<b>ExaMAX VERTICAL HEADER ASSY</b> 4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON			dwg no	10137069			
	angular							0°	±°	rev	A	
ISO 1302										cat. no.	SEE TABLE	Product - Customer Drw

PDS: Rev :A

STATUS:Released

Printed: Jan 05, 2018

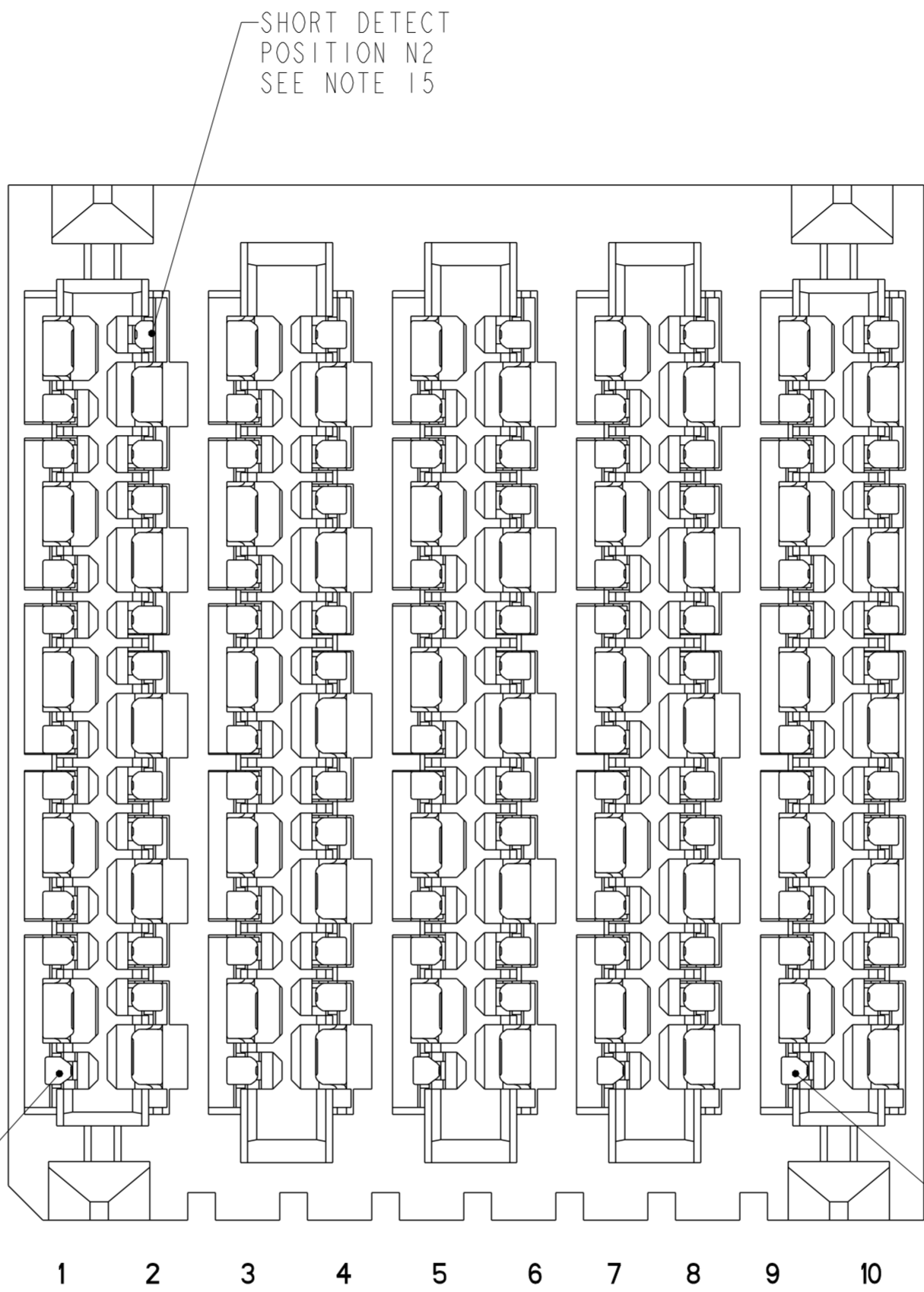


10137069-301LF  
 SHORT DETECT CONNECTOR  
 SHORT DETECT POSITION IS N2 ONLY  
 FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

Amphenol  
**FCi**

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spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	projection	MM	size	A2	scale	6:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2018/01/05			ecn no	-					
ISO 406		chr	-	rel level			Released						
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExaMAX							
surface	linear	<b>Amphenol FCI</b>			title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON			div no	10137069	rev	A		
	angular							0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11
ISO 1302													



ADVANCED MATE  
POSITION A1  
SEE NOTE 15

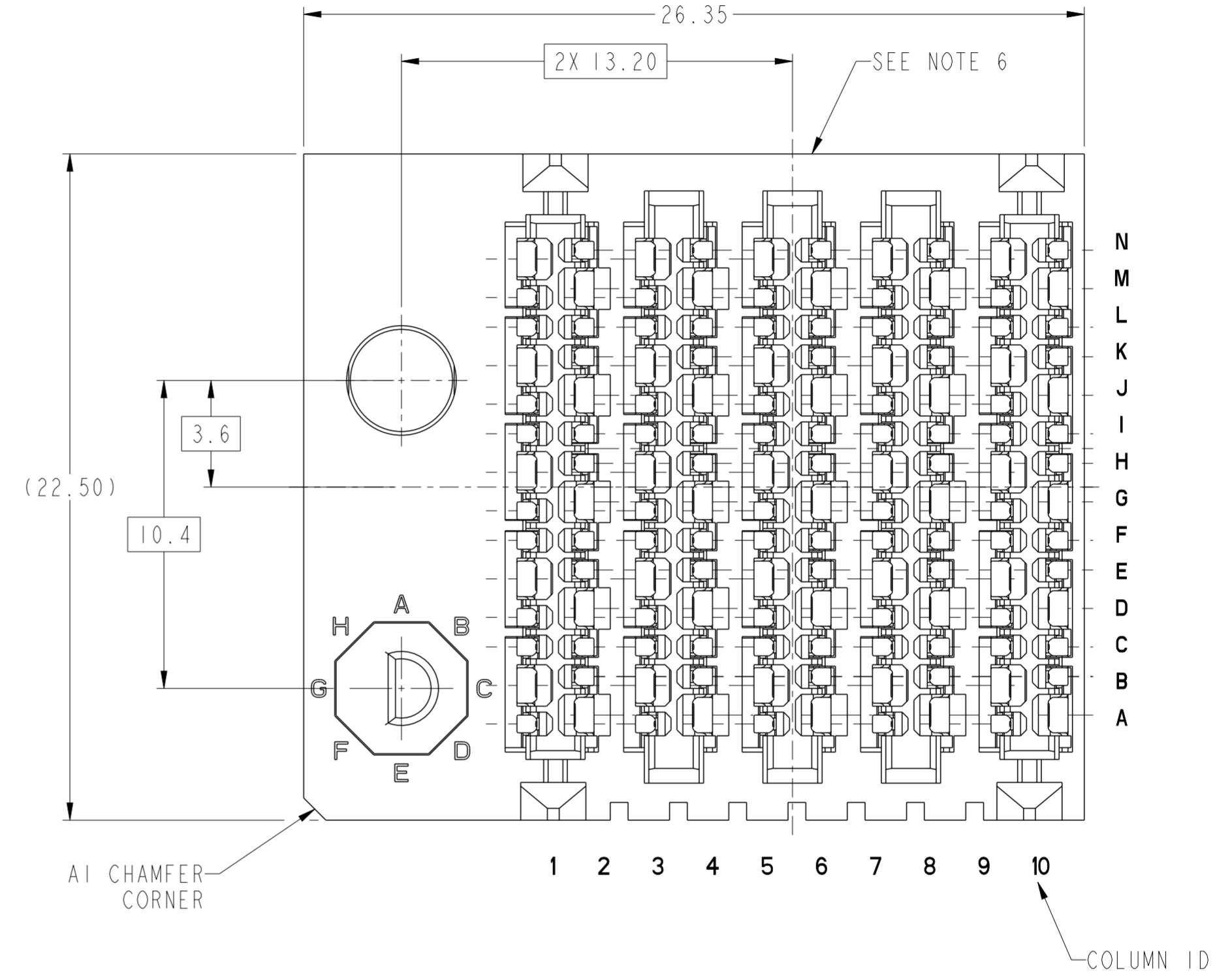
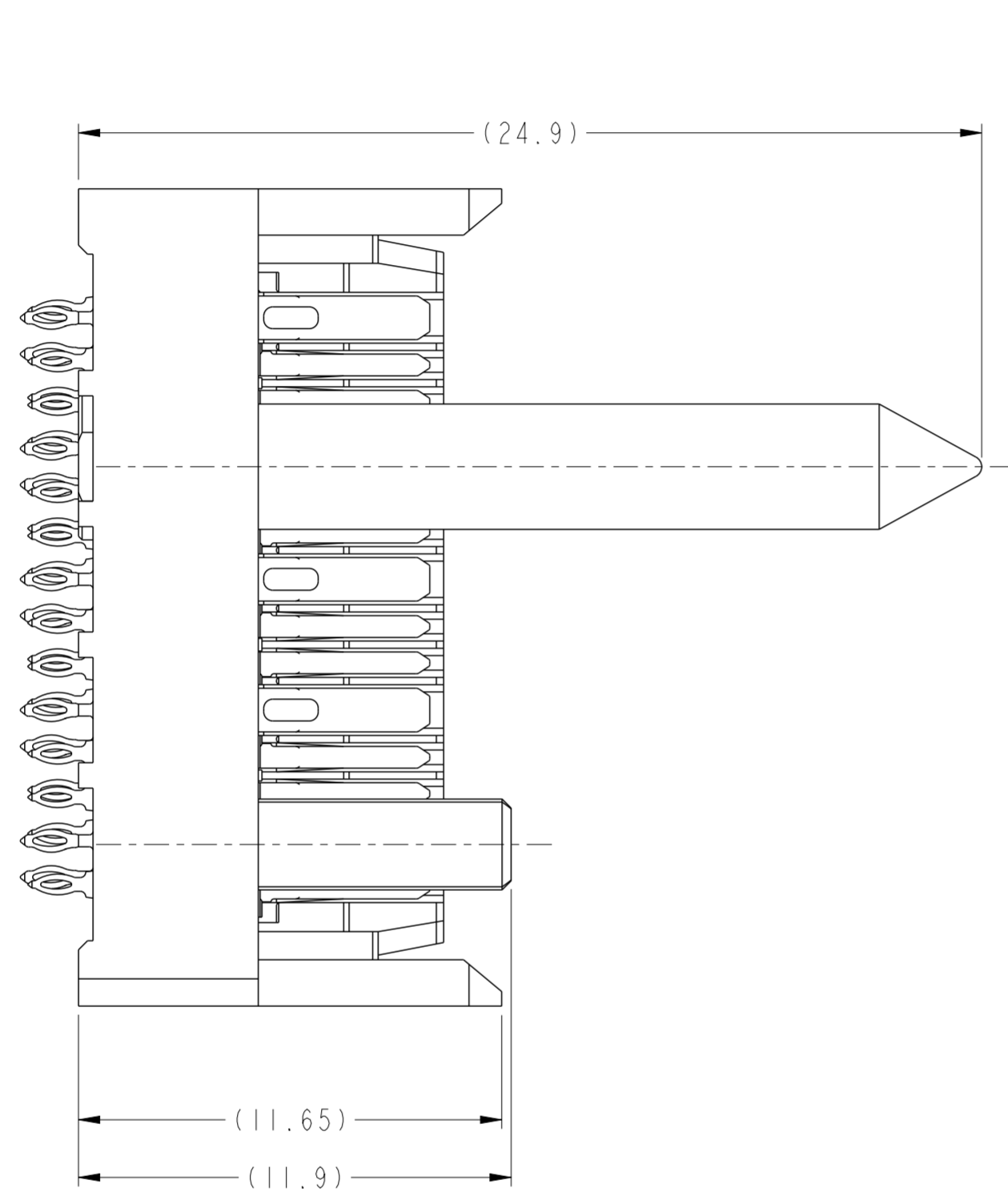
ADVANCED MATE  
POSITION A9  
SEE NOTE 15

**10137069-401LF**  
**ADVANCED MATE/SHORT DETECT CONNECTOR**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY**  
**SHORT DETECT POSITION IS N2 ONLY**  
**FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2**

**Amphenol  
FCi**

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spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2018/01/05			ecn no	-	rel level	Released
ISO 406		chr	-	2018/01/05						
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExaMAX				
surface	linear			title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON		dwg no	10137069		rev	A
ISO 1302	angular			cat. no.	SEE TABLE	Product - Customer Drw	sheet 5 of 11			



10137069-Y1ALF THRU -Y1JLF  
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)  
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

Amphenol  
 FCI

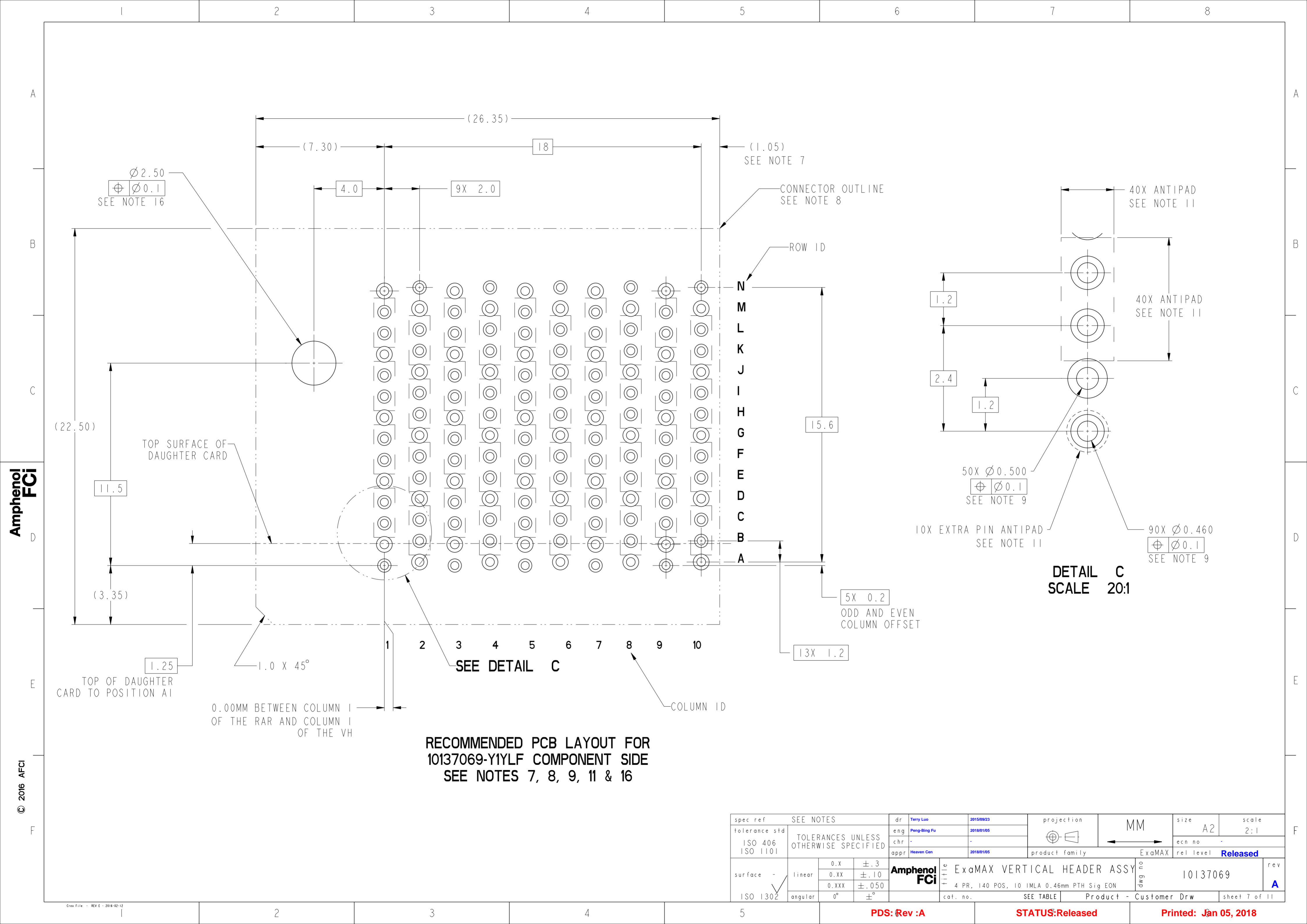
© 2016 APCI

spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	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
ISO 406		chr	-	2018/01/05						
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExaMAX				
surface	linear	0.X	±.3	<b>Amphenol FCI</b>	title		ExaMAX VERTICAL HEADER ASSY	dwg no 10137069	rev A	
		0.XX	±.10		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON					
		0.XXX	±.050		cat. no. SEE TABLE					
ISO 1302	angular	0°	±°	Product - Customer Drw		sheet 6 of 11				

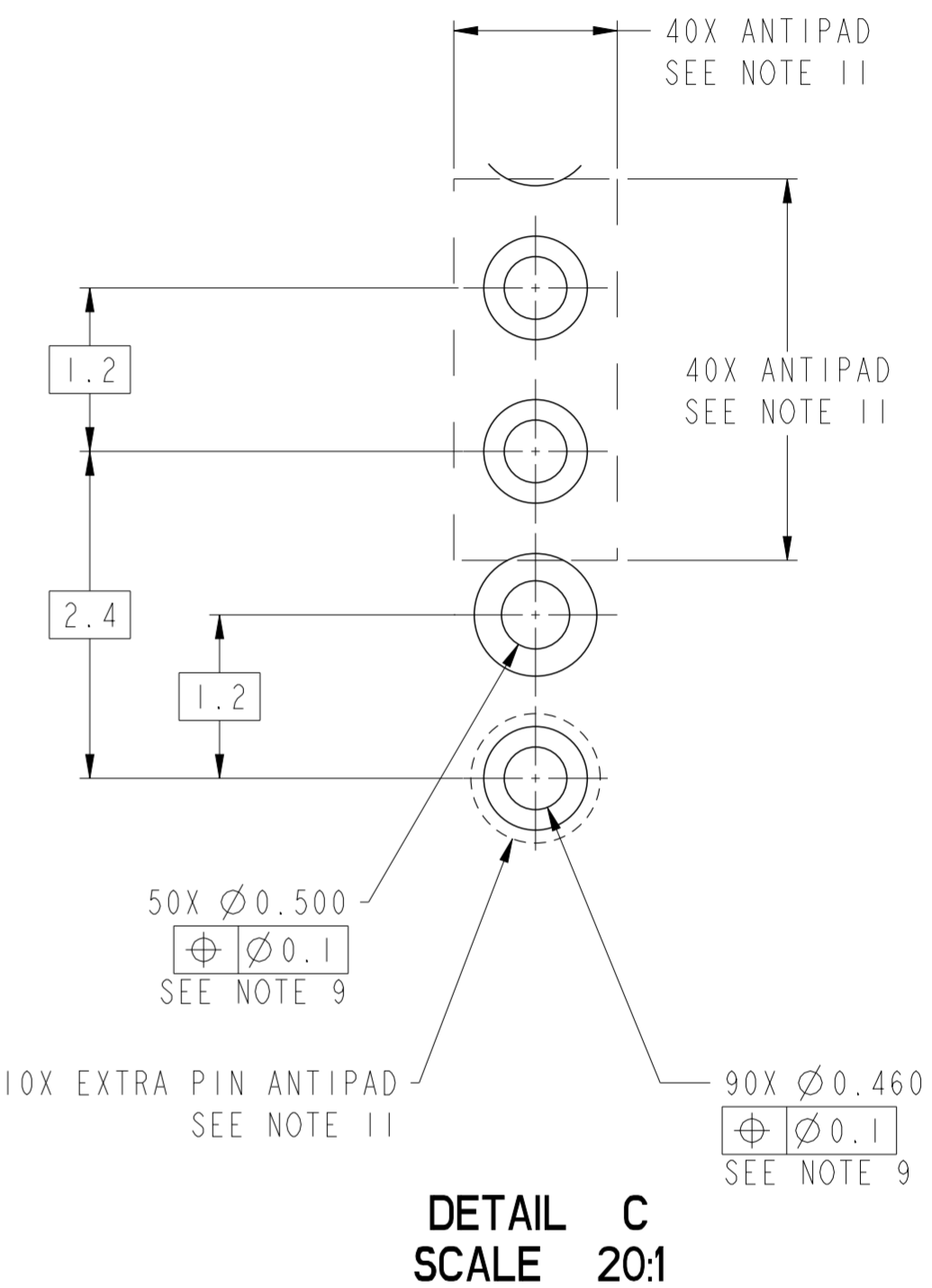
PDS: Rev :A

STATUS:Released

Printed: Jan 05, 2018



**RECOMMENDED PCB LAYOUT FOR  
10137069-Y1YLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16**



spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	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	
ISO 406		chr	-								
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExdMAX					
surface	linear	0.X	±.3		title		ExdMAX VERTICAL HEADER ASSY		10137069	rev	A
		0.XX	±.10		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON						
		0.XXX	±.050		cat. no.		SEE TABLE		Product - Customer Drw	sheet 7 of 11	
ISO 1302	angular	0°	±°								

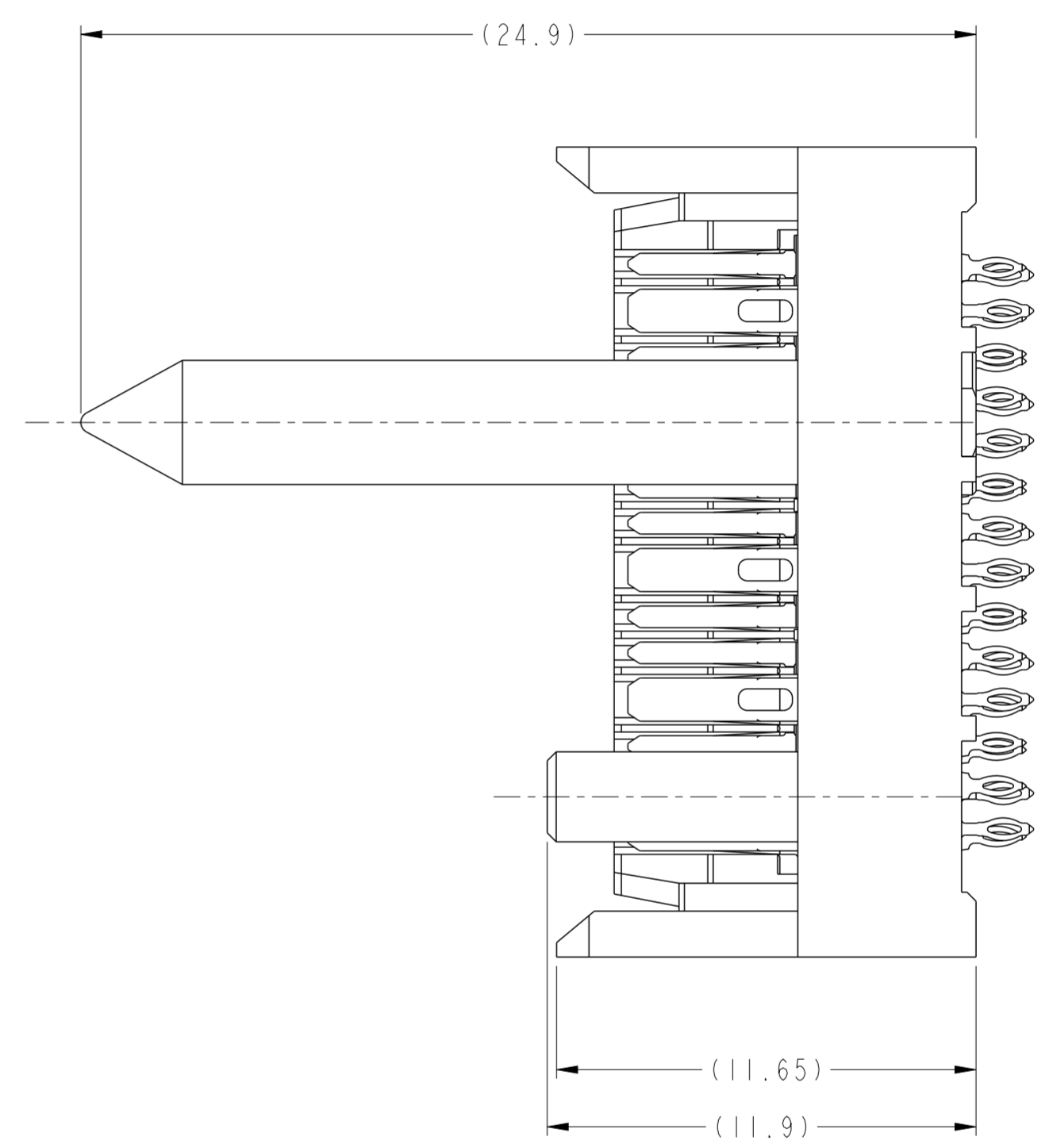
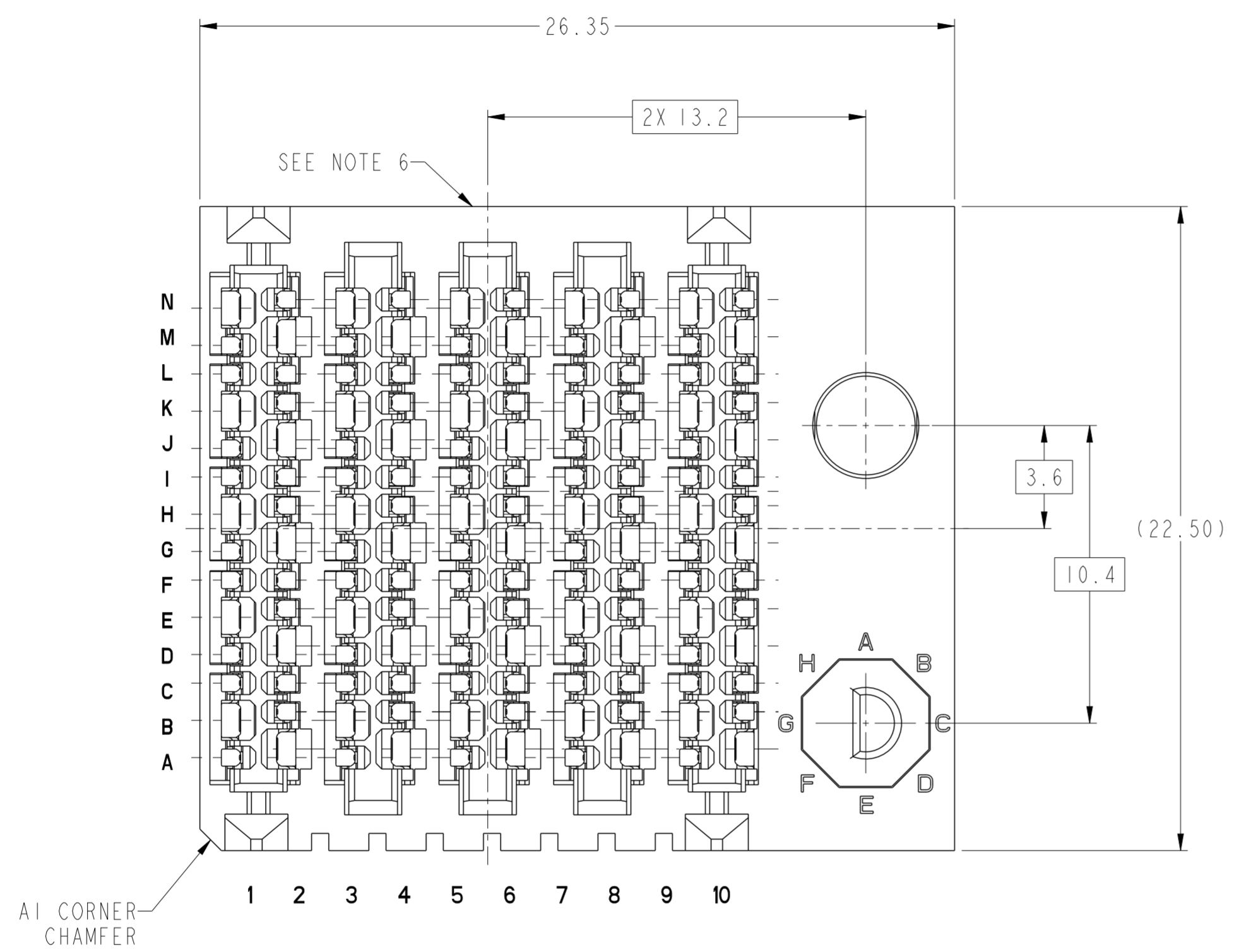
PDS: Rev :A

STATUS:Released

Printed: Jan 05, 2018

Amphenol FCI

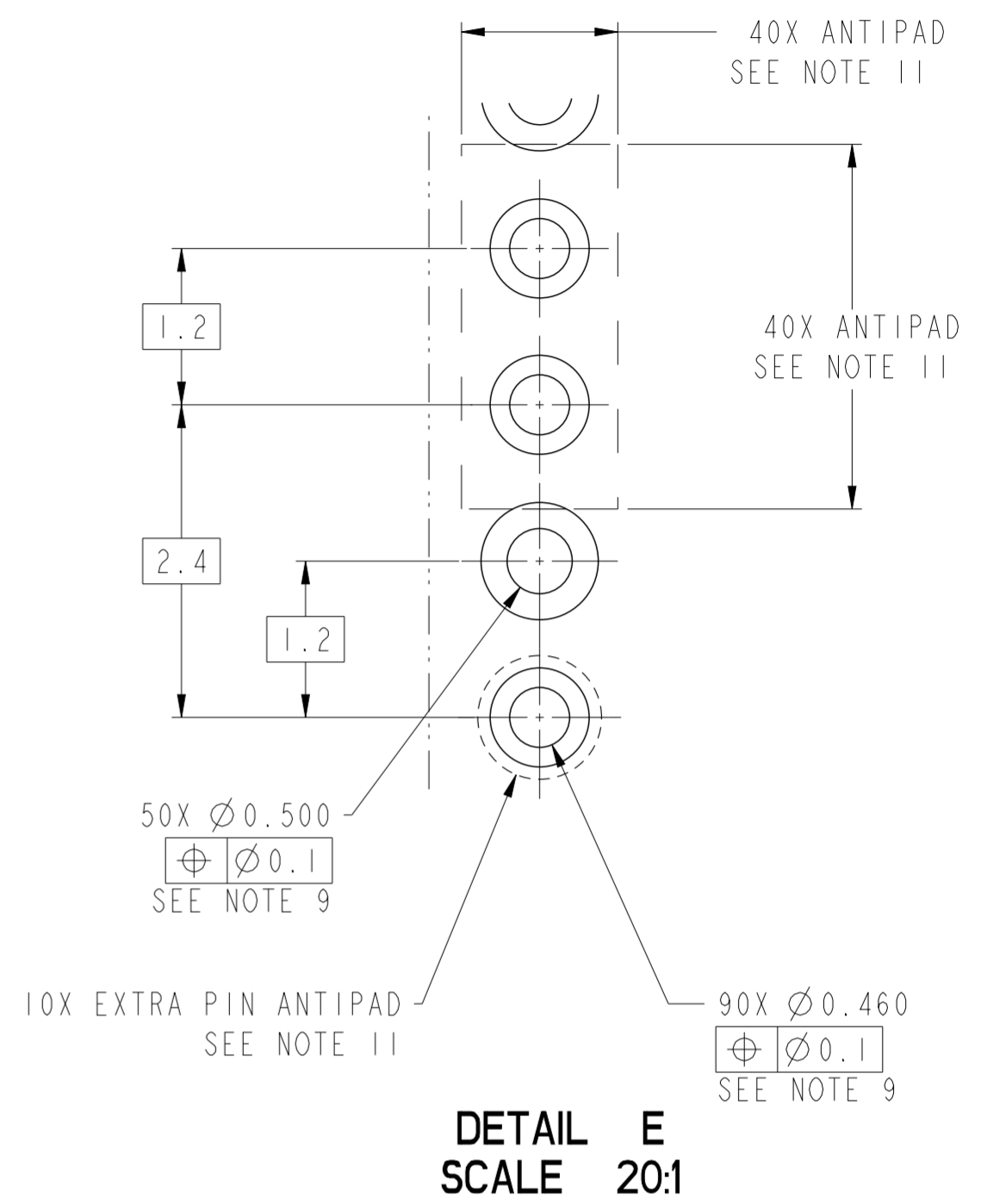
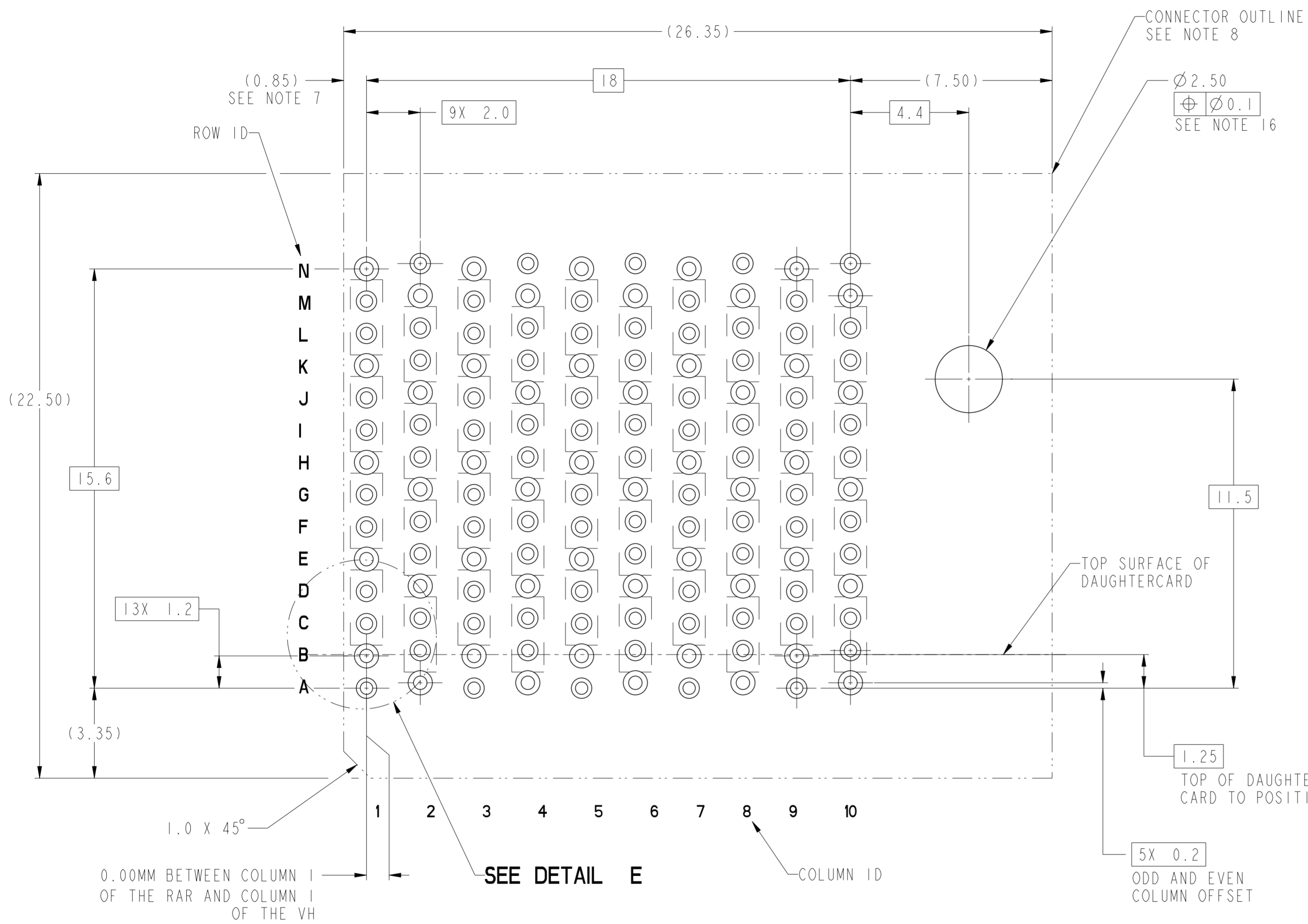
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10137069-Y2ALF THRU -Y2JLF  
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	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		
ISO 406		chr	-	2018/01/05								
ISO 1101		appr	Heaven Cen	2018/01/05	product family	ExaMAX						
surface	linear	0.X	±.3		title		ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON	div no 10137069	rev A	cat. no. SEE TABLE	Product - Customer Drw	sheet 8 of 11
		0.XX	±.10									
		0.XXX	±.050									
ISO 1302	angular	0°	±°		PDS: Rev :A	STATUS:Released	Printed: Jan 05, 2018					

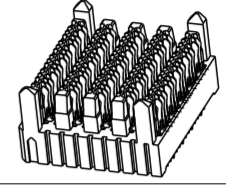
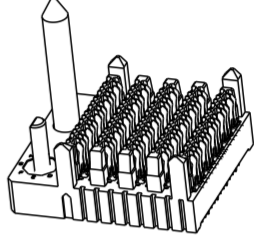
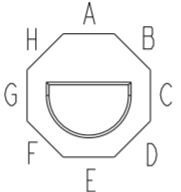
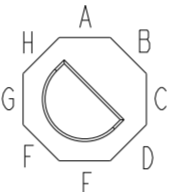
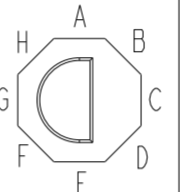
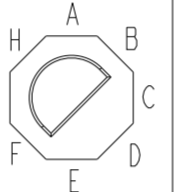
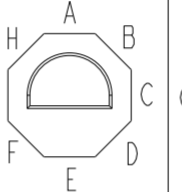
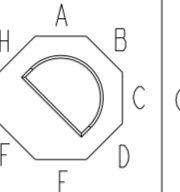
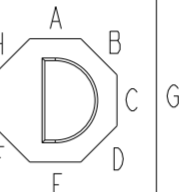
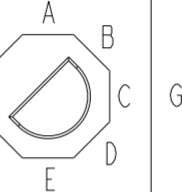
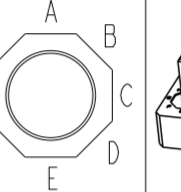
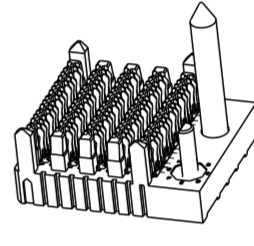
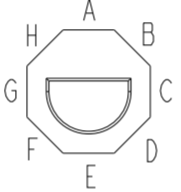
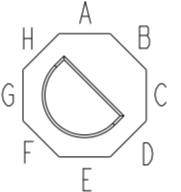
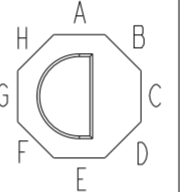
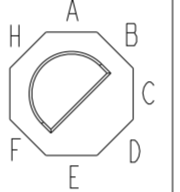
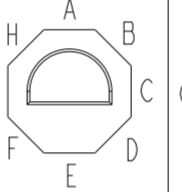
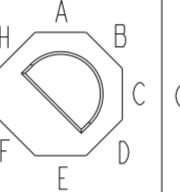
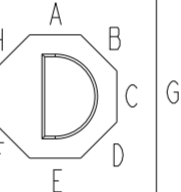
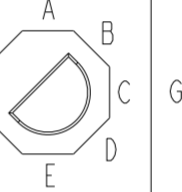
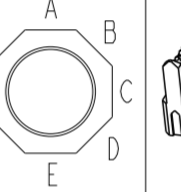




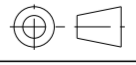
**RECOMMENDED PCB LAYOUT FOR  
10137069-Y2YLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16**

spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	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	
ISO 406		chr	-								
ISO 1101		appr	Heaven Cen	2018/01/05							
surface	linear	0.X	±.3	<b>Amphenol FCi</b>	product family		ExaMAX	rel level	Released		
		0.XX	±.10		title		ExaMAX VERTICAL HEADER ASSY	div no	10137069	rev	A
		0.XXX	±.050		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON						
ISO 1302	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 11				

10137069 - Y Y Y L F

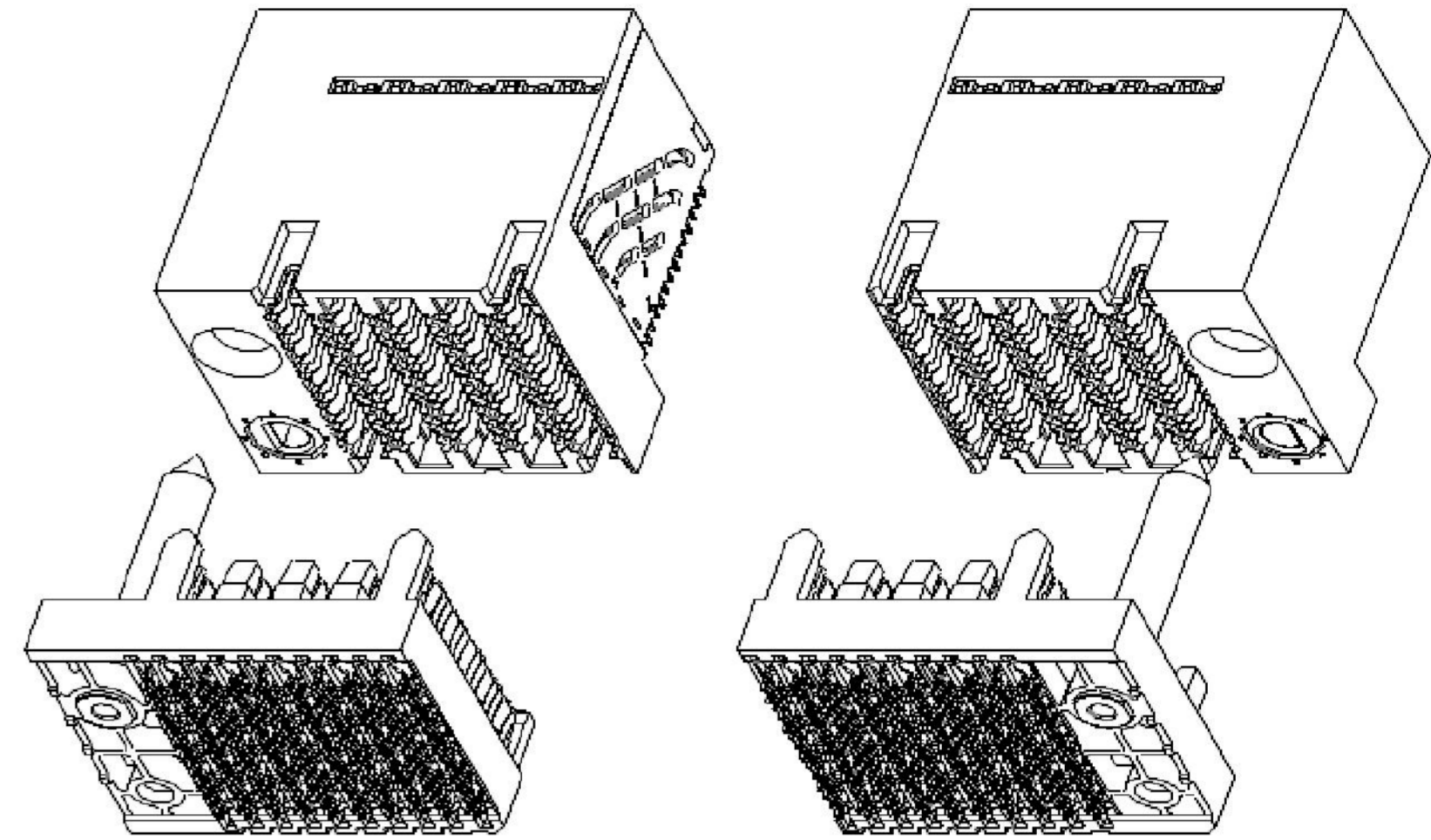
MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
STANDARD NO GUIDANCE (SEE SHEET 1)	01										
RIGHT GUIDANCE MODULE (SEE SHEET 6)	<b>1A</b>	<b>1B</b>	<b>1C</b>	<b>1D</b>	<b>1E</b>	<b>1F</b>	<b>1G</b>	<b>1H</b>	<b>1J</b> (NO KEY)		
											
LEFT GUIDANCE MODULE (SEE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

ASSEMBLY PART NUMBER	DESCRIPTION
10137069-1YYLF	STANDARD MATE
10137069-2YYLF	ADVANCED MATE
10137069-3YYLF	SHORT DETECT
10137069-4YYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	Terry Luo	2015/09/23	projection	MM	size	A2	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2018/01/05		← →	ecn no	-	rel level	Released	
ISO 406		chr	-	product family							ExaMAX
ISO 1101		appr	Heaven Cen	2018/01/05							rel level
surface	linear	0.X	±.3	<b>Amphenol FCI</b>	title	ExaMAX VERTICAL HEADER ASSY	dwg no	10137069	rev	A	
ISO 1302		0.XX	±.10								4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON
	angular	0°	±°								

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 CONNECTOR WILL BE 2.0mm OR 3.0mm 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, 10137069-2YYLF, 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, 10137069-3YYLF, WHEN MATED WITH A STANDARD MATE 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, 10137069-4YYLF, 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, 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	Terry Luo	2015/09/23	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
ISO 406 ISO 1101		chr	-	appr						
surface	linear	0.X	±.3		title		ExaMAX VERTICAL HEADER ASSY	drwg no 10137069	rev A	
		0.XX	±.10		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON					
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw			sheet 11 of 11

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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