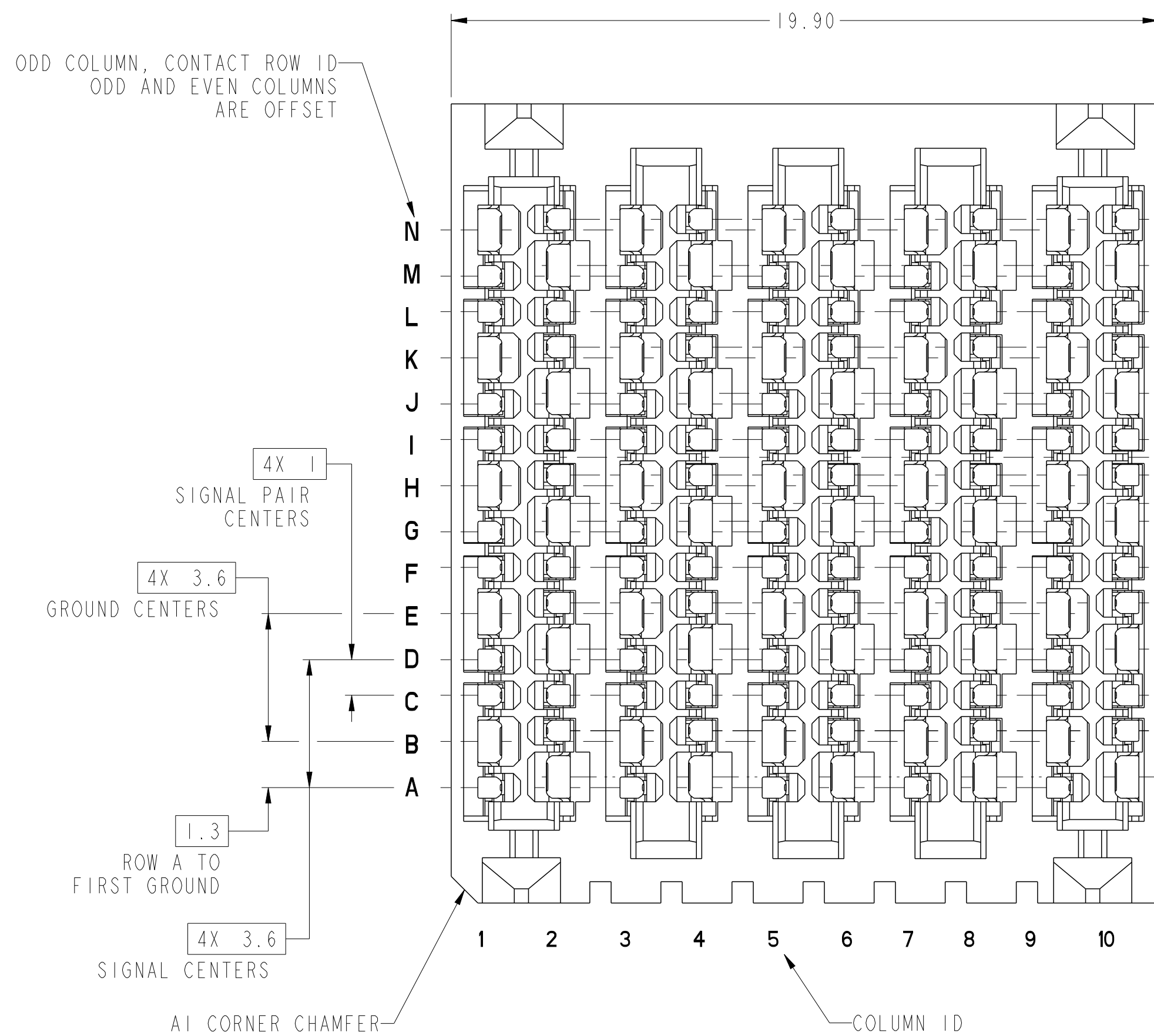
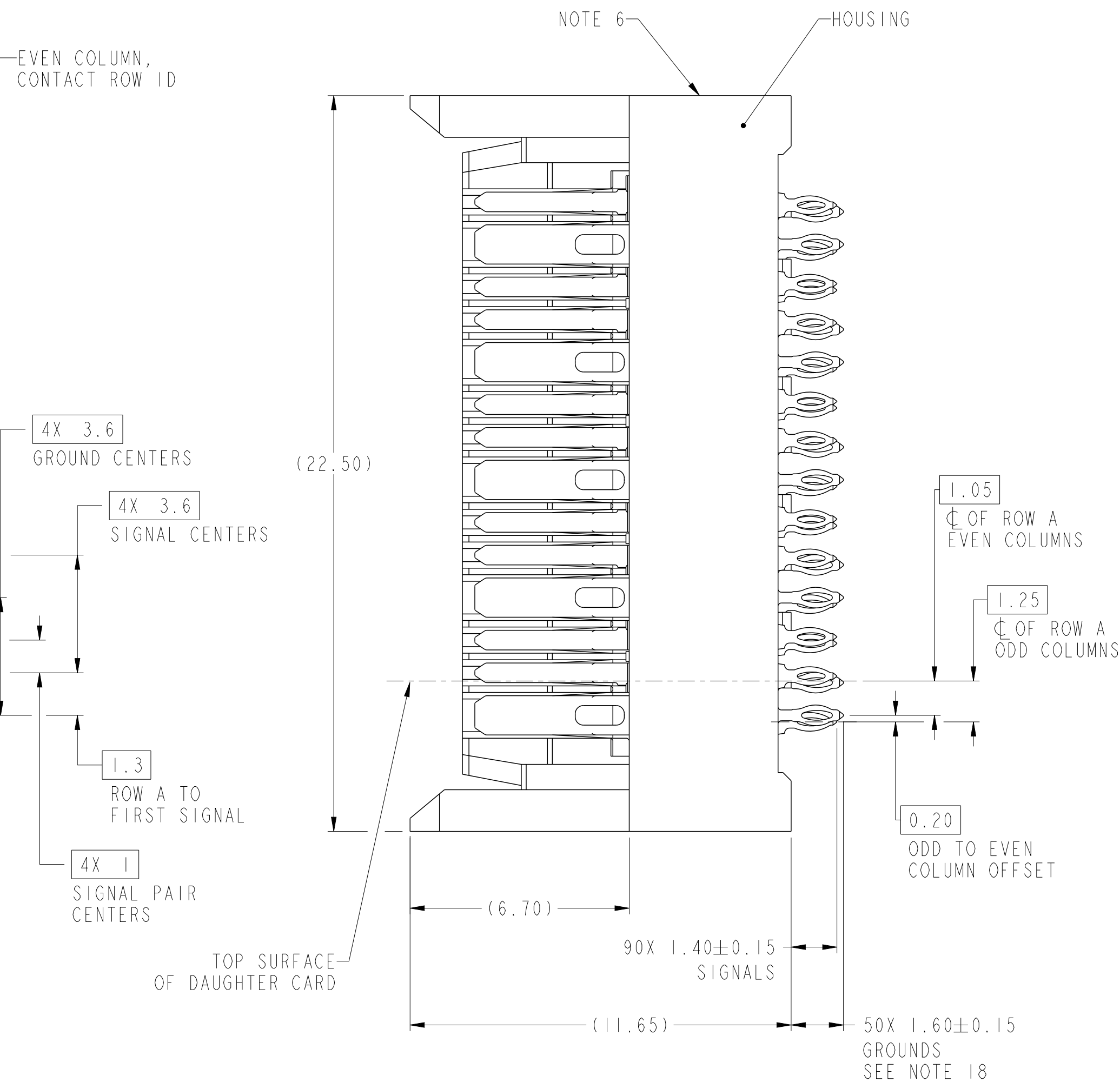
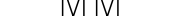
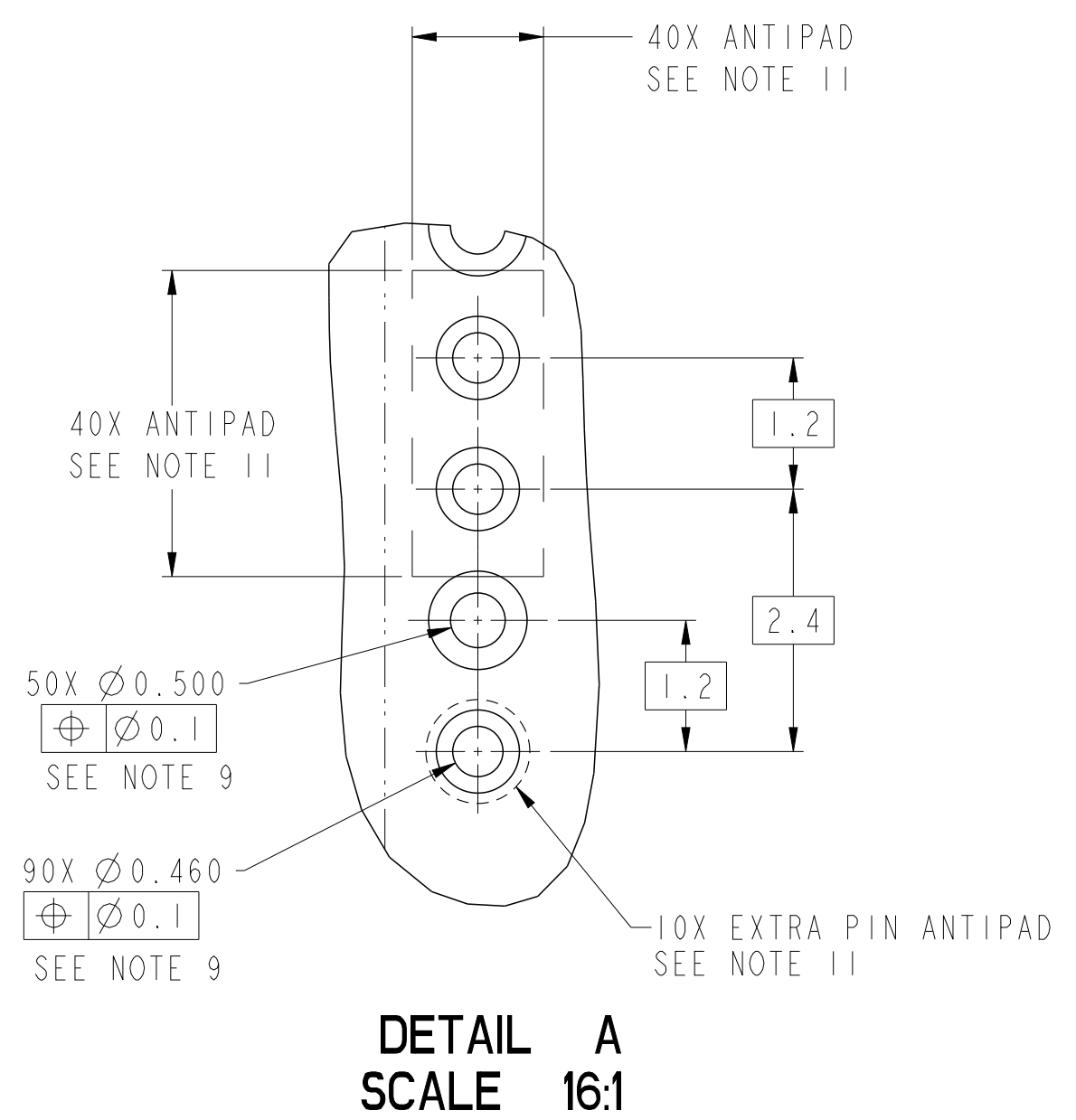
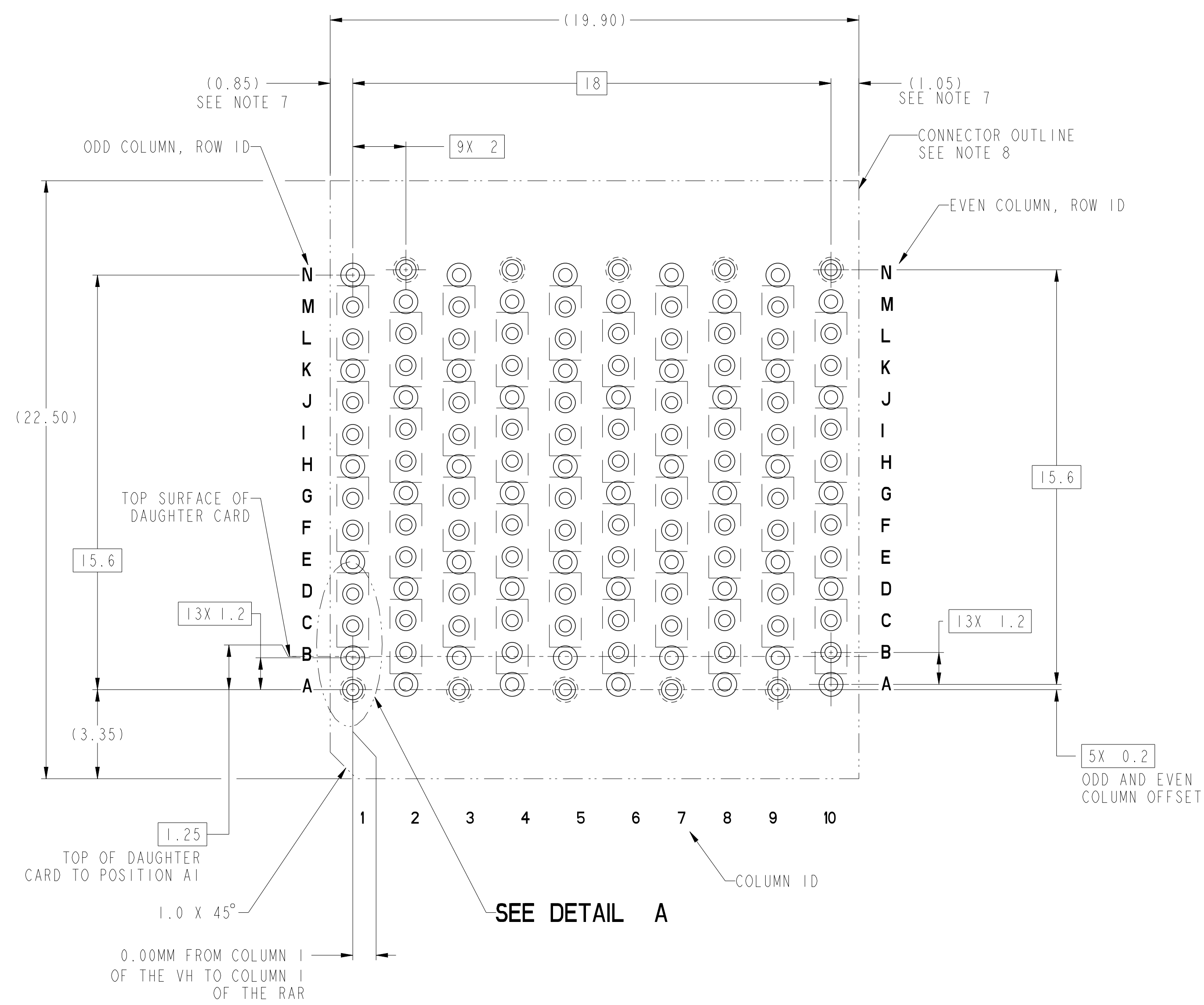




10137069-Y01LF
(10137069-101LF STANDARD MATE CONNECTOR SHOWN)

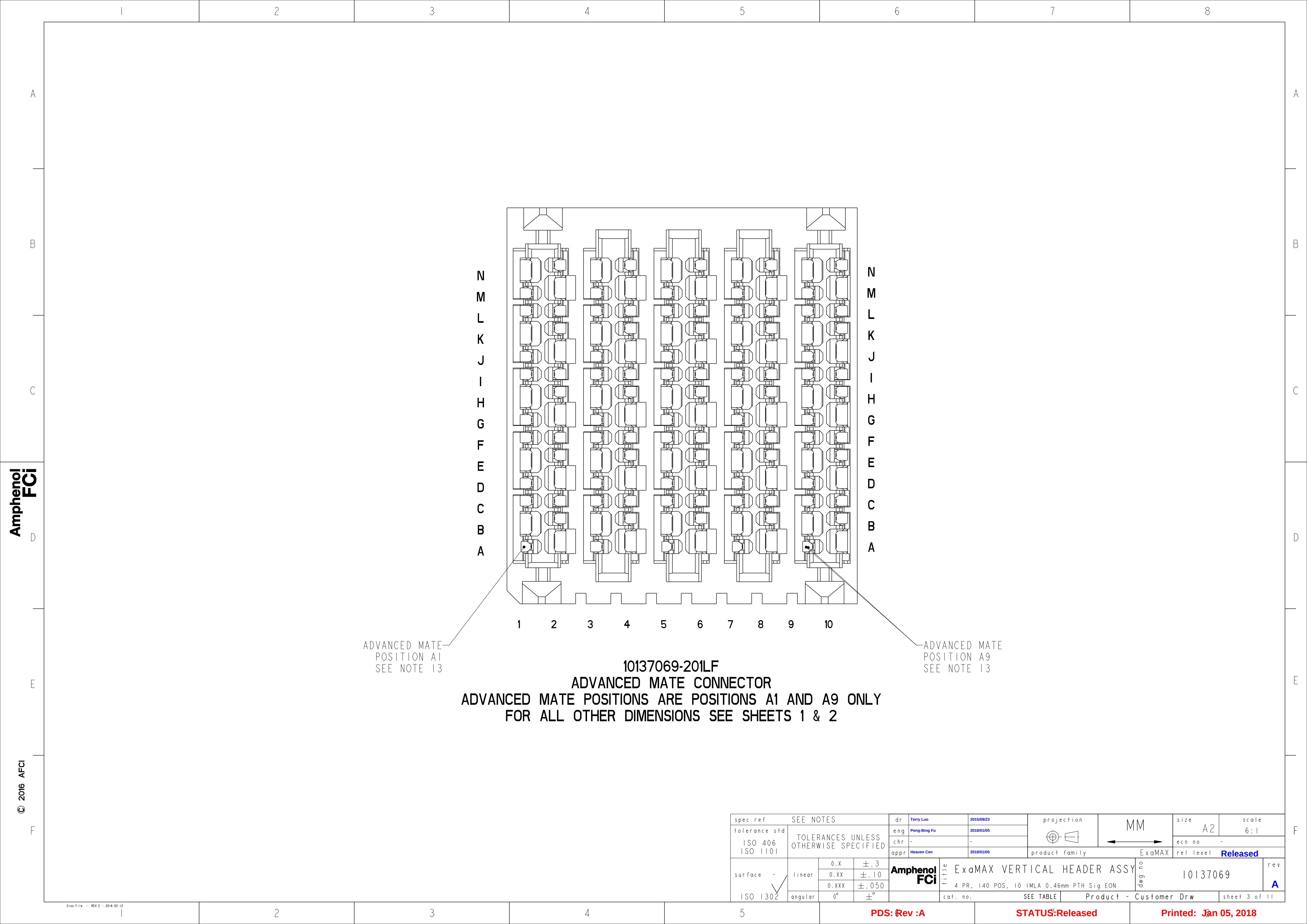


spec ref		SEE NOTES		dr Terry Luo		2015/09/23		projection		MM		size A2		scale 8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Peng-Bing Fu		2018/01/05						ecn no -		rel level Released	
ISO 406				chr -											
ISO 1101				appr Heaven Cen		2018/01/05		product family		ExaMAX					
surface -  ISO 1302		linear		Amphenol FCI		ExaMAX VERTICAL HEADER ASSY				dwg no 10137069		rev A			
														0.X ±.3	
														0.XX ±.10	
		0.XXX ±.050				4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON									
		angular 0° ±0°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 1 of 11	



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 -			
ISO 406					chr -		-									
ISO 1101					appr Heaven Cen		2018/01/05						product family ExaMAX		rel level Released	
surface - ISO 1302		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON		dwg no 10137069		rev A				
		angular		0° ±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 11		



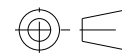
Amphenol
FCi

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

ADVANCED MATE
POSITION A1
SEE NOTE 13

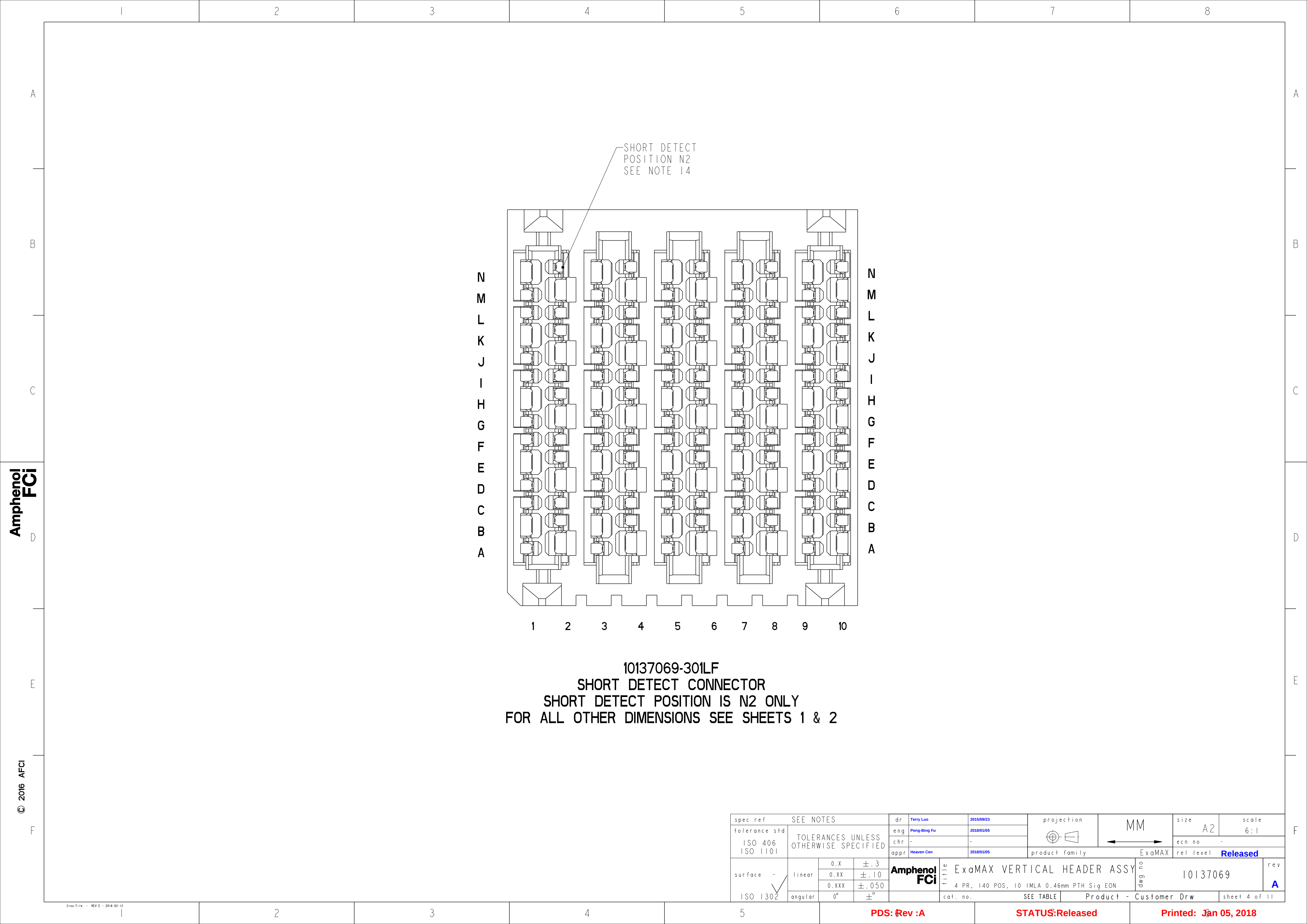
ADVANCED MATE
POSITION A9
SEE NOTE 13

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		-											
ISO 1101					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 10137069	
		0.XX ±.10																
ISO 1302		0.XXX ±.050																
		angular 0° ±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 3 of 11				

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SHORT DETECT
POSITION N2
SEE NOTE 14

N
M
L
K
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N
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J
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1 2 3 4 5 6 7 8 9 10

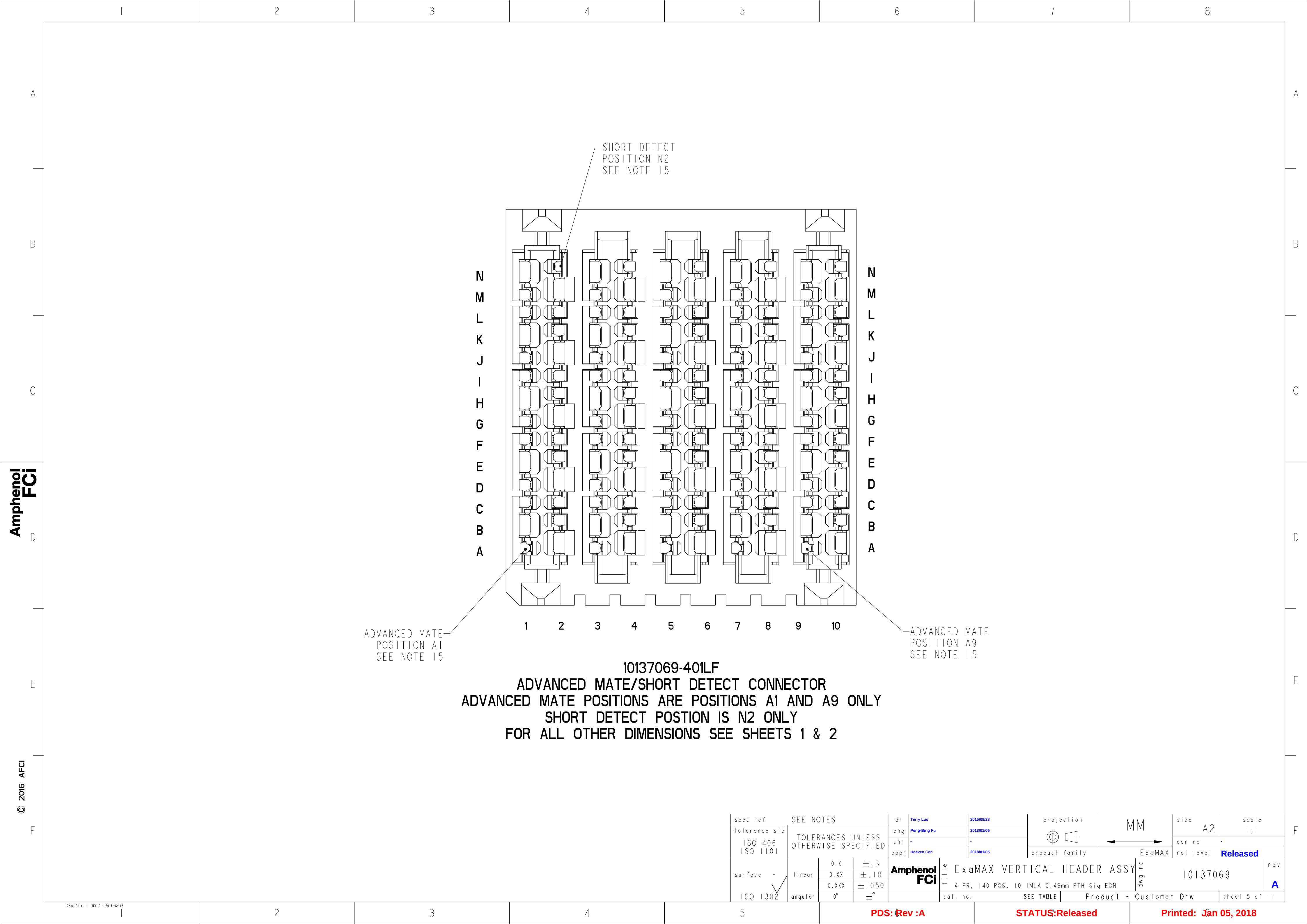
10137069-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

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		0.X ±.3		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY		dwg no 10137069		rev A				
ISO 1302		0.XX ±.10														
		0.XXX ±.050														
		angular 0° ±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 4 of 11		

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ADVANCED MATE
POSITION A1
SEE NOTE 15

SHORT DETECT
POSITION N2
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 POSTION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

Amphenol
FCi

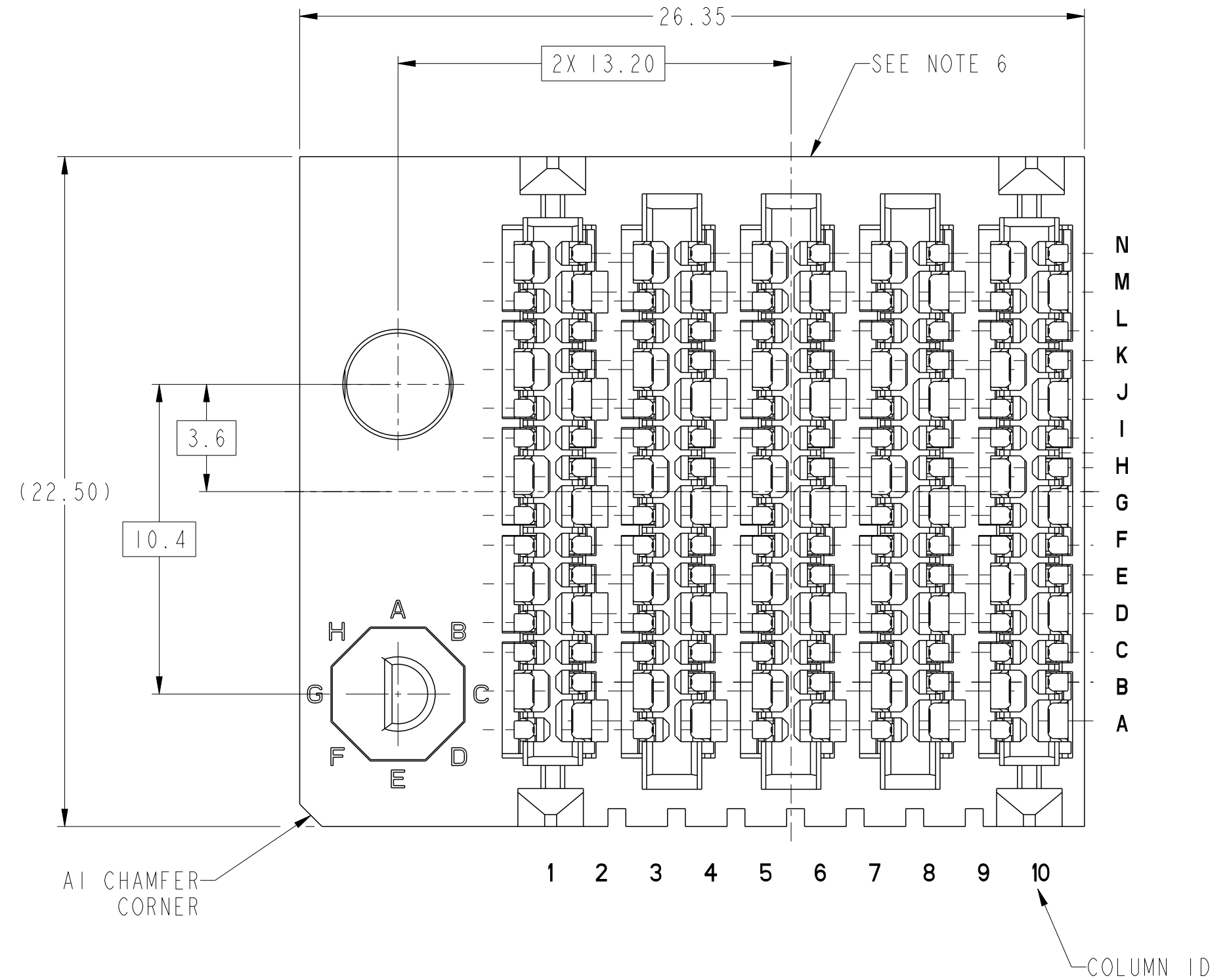
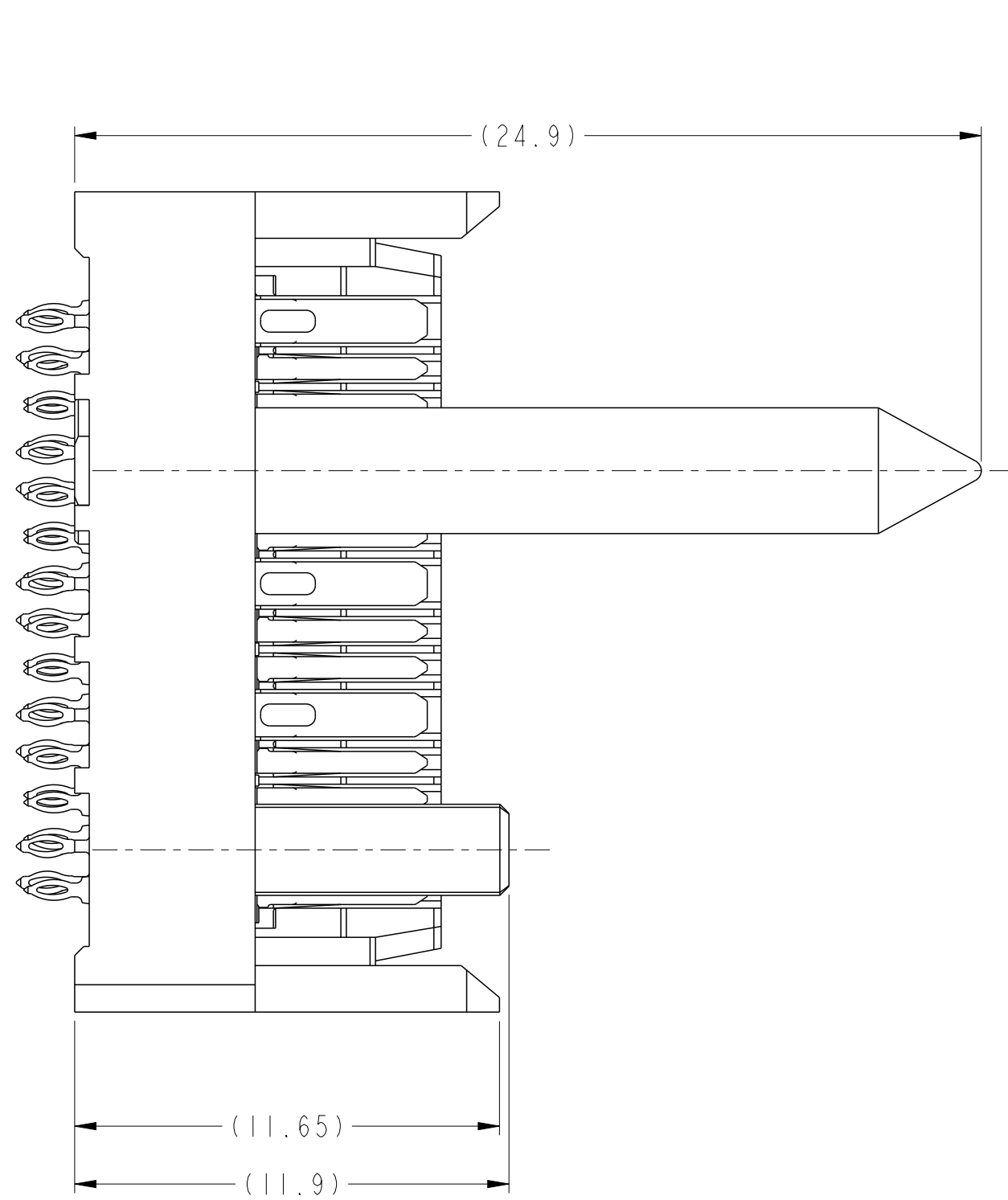
© 2016 AFCi

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 -		-									
ISO 1101					appr Heaven Cen		2018/01/05									
surface -		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY		dwg no 10137069		rev A				
														4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON		
														angular 0° ±°		
ISO 1302						cat. no.		SEE TABLE		Product - Customer Drw				sheet 5 of 11		

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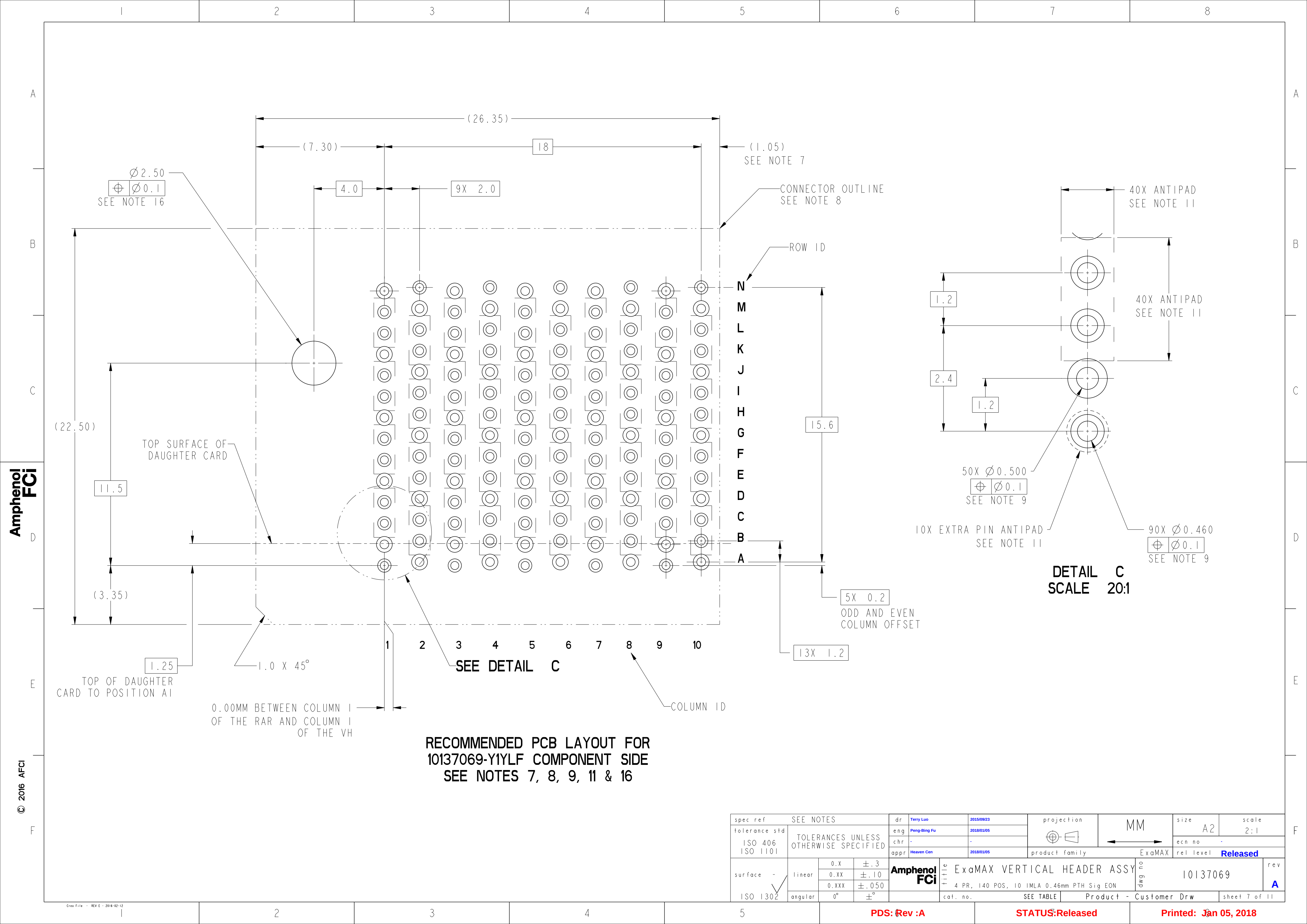
STATUS:Released

Printed: Jan 05, 2018



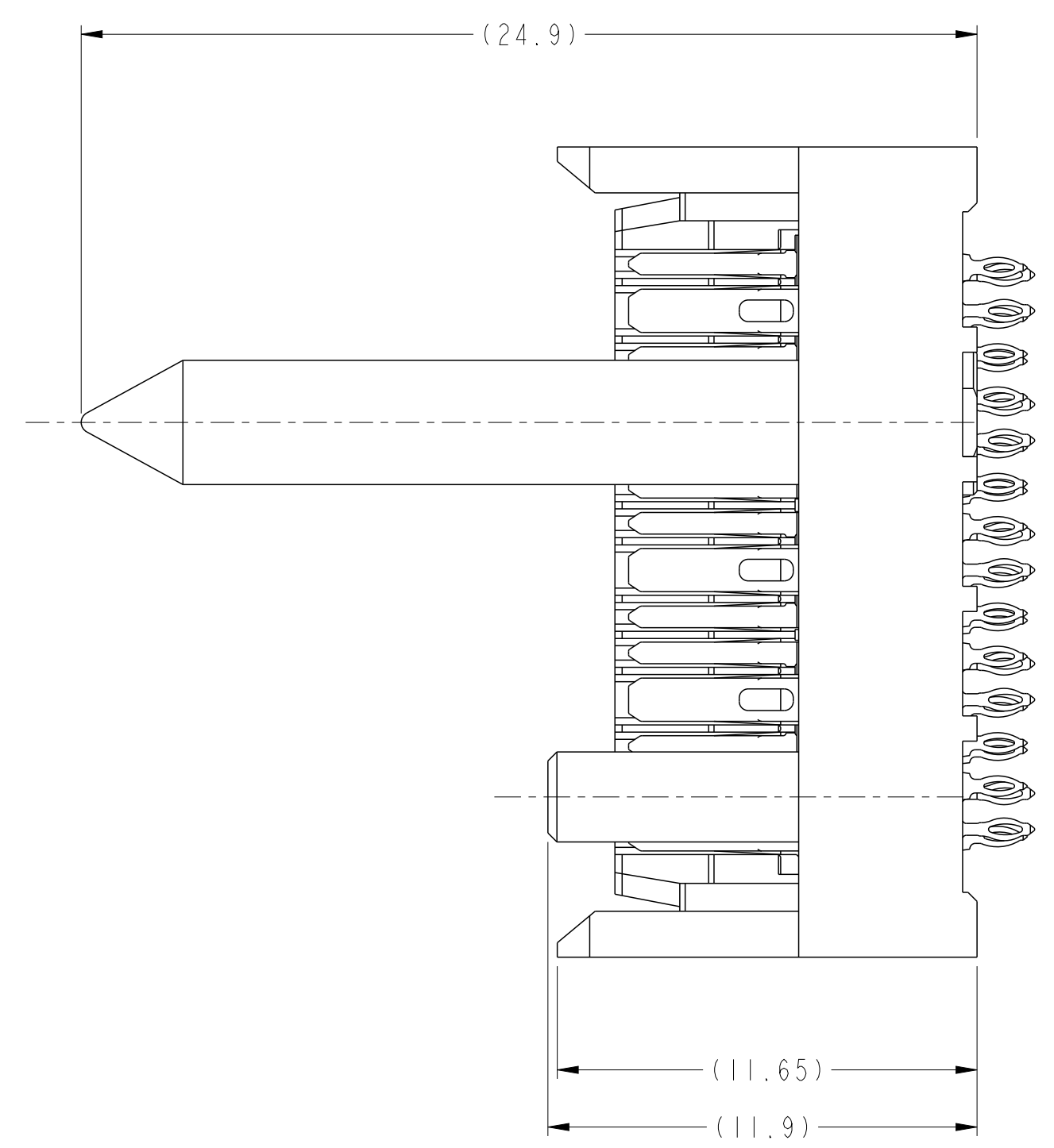
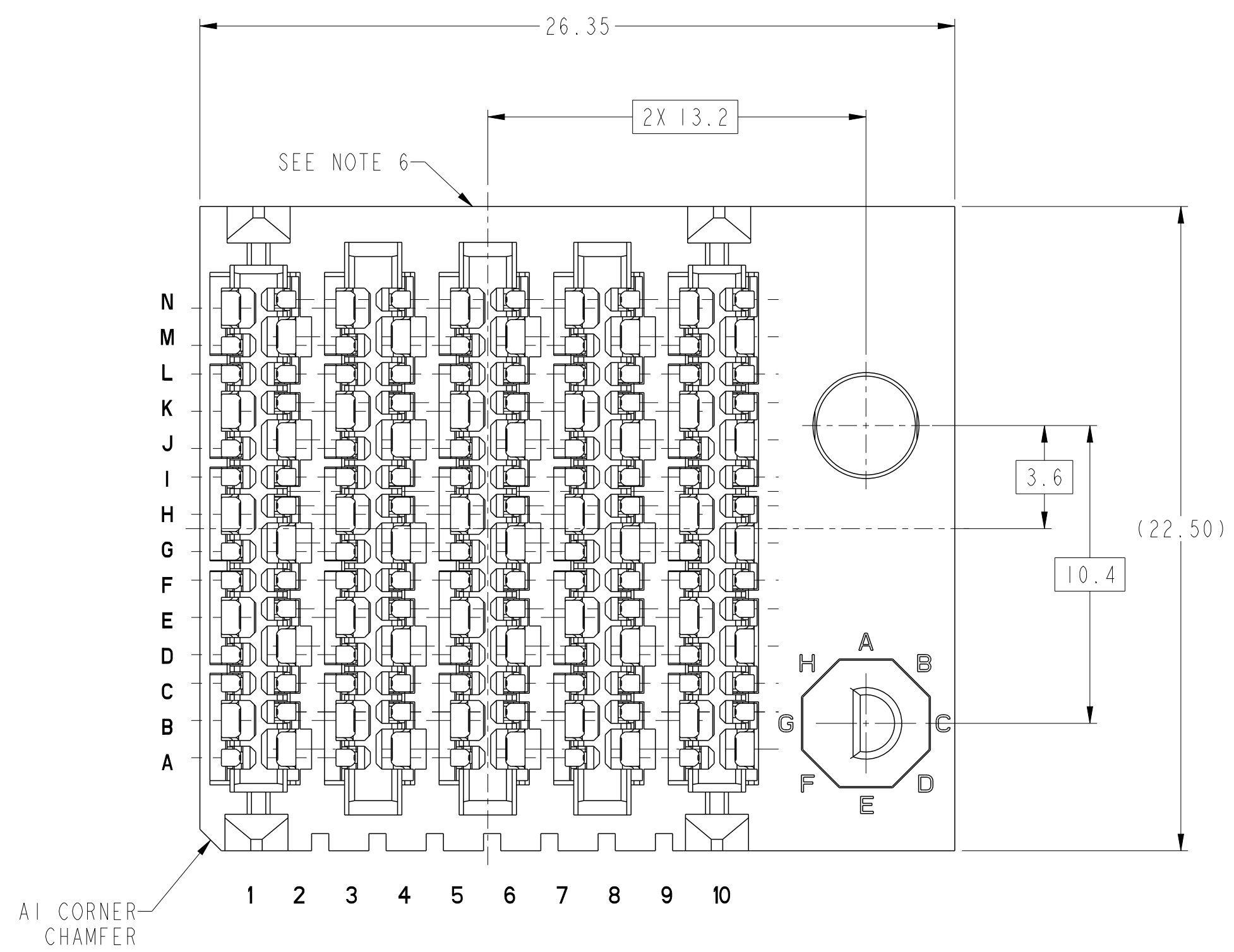
10137069-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

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 -		-									
ISO 1101					appr Heaven Cen		2018/01/05						product family ExaMAX			
surface -		linear		0.X ±.3		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY		dwg no 10137069		rev A				
		0.XX ±.10														
		0.XXX ±.050														
ISO 1302		angular 0° ±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 6 of 11		



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 ExaMAX					
surface -		linear		0.X ±.3		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY		dwg no 10137069		rev A				
		0.XX ±.10														
		0.XXX ±.050														
ISO 1302		angular 0° ±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 7 of 11		



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 -			
ISO 406					chr -		-									
ISO 1101					appr Heaven Cen		2018/01/05		product family ExaMAX				rel level Released			
surface - ISO 1302		linear		0.X ±.3		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY				dwg no 10137069		rev A		
				0.XX ±.10												
		0.XXX ±.050		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON												
angular		0° ±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 8 of 11				

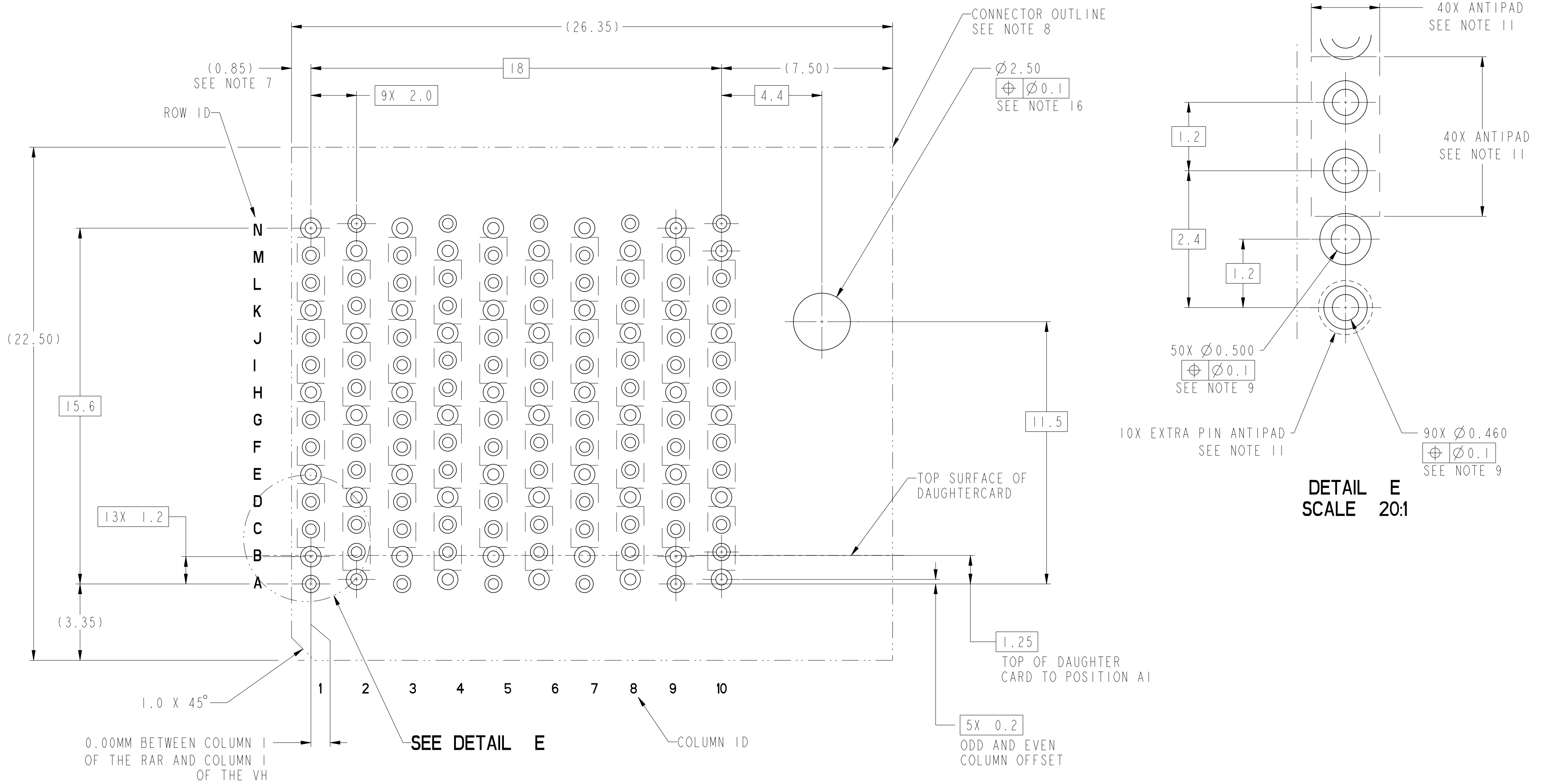
RECOMMENDED PCB LAYOUT FOR
10137069-Y2YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

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 -			
ISO 406					chr -											
ISO 1101					appr Heaven Cen		2018/01/05		product family ExaMAX				rel level Released			
surface - ISO 1302		linear		0.X ±.3		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY				dwg no 10137069		rev A		
				0.XX ±.10												
		0.XXX ±.050		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON												
		angular		0° ±°		cat. no.		SEE TABLE		Product- Customer Drw				sheet 9 of 11		

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STATUS:Released

Printed: Jan 05, 2018



DETAIL SCALE E
20:1

10137069 - Y Y Y L F

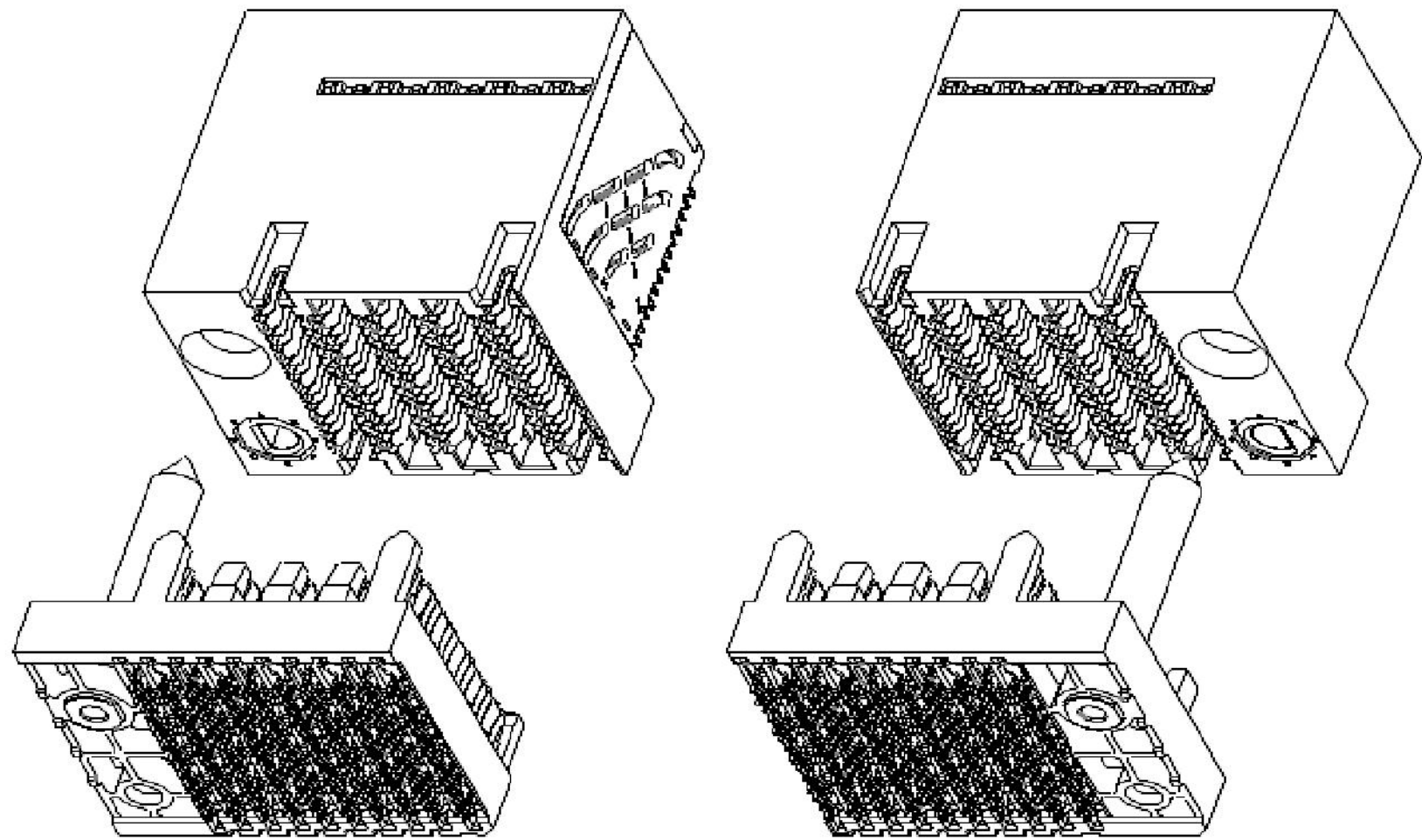
ASSEMBLY PART NUMBER	DESCRIPTION
10137069-1YYLF	STANDARD MATE
10137069-2YYLF	ADVANCED MATE
10137069-3YYLF	SHORT DETECT
10137069-4YYLF	ADVANCED MATE & SHORT DETECT

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 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 -		-										
ISO 1101					appr Heaven Cen		2018/01/05		product family ExaMAX								
surface -		linear		0.X ±.3		0.XX ±.10		0.XXX ±.050		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY		dwg no 10137069		rev A	
ISO 1302		angular 0° ±°		cat. no.		SEE TABLE		Product - Customer Drw				sheet 10 of 11					

NOTES

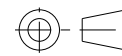
- ①- CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
GUIDE PIN: ZINC ALLOY
KEY PIN: ZINC ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE
REQUIREMENTS OF 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 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		-			
ISO 406					chr		-											
ISO 1101					appr Heaven Cen		2018/01/05						product family ExaMAX				rel level Released	
surface -					linear		0.X ±.3						0.XX ±.10		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY	
ISO 1302		angular 0° ±°		0.XXX ±.050		4 PR, 140 POS, 10 IMLA 0.46mm PTH Sig EON												
						cat. no.		SEE TABLE		Product - Customer Drw		sheet 11 of 11						

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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