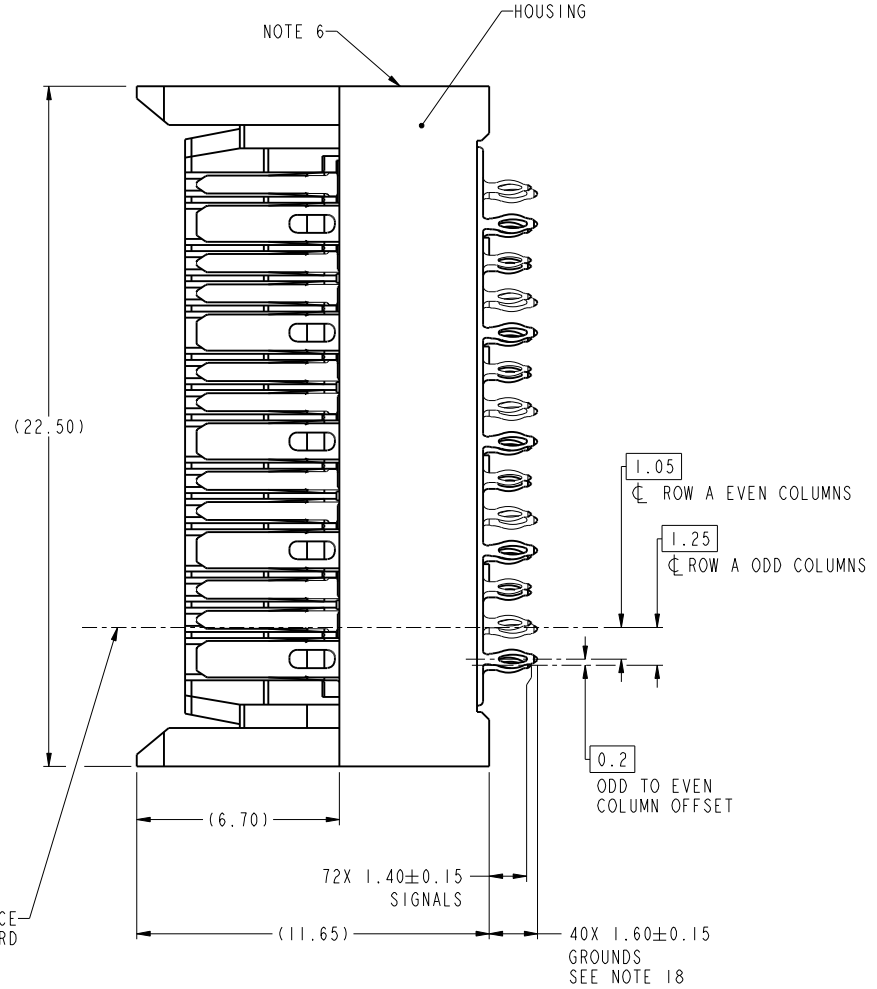
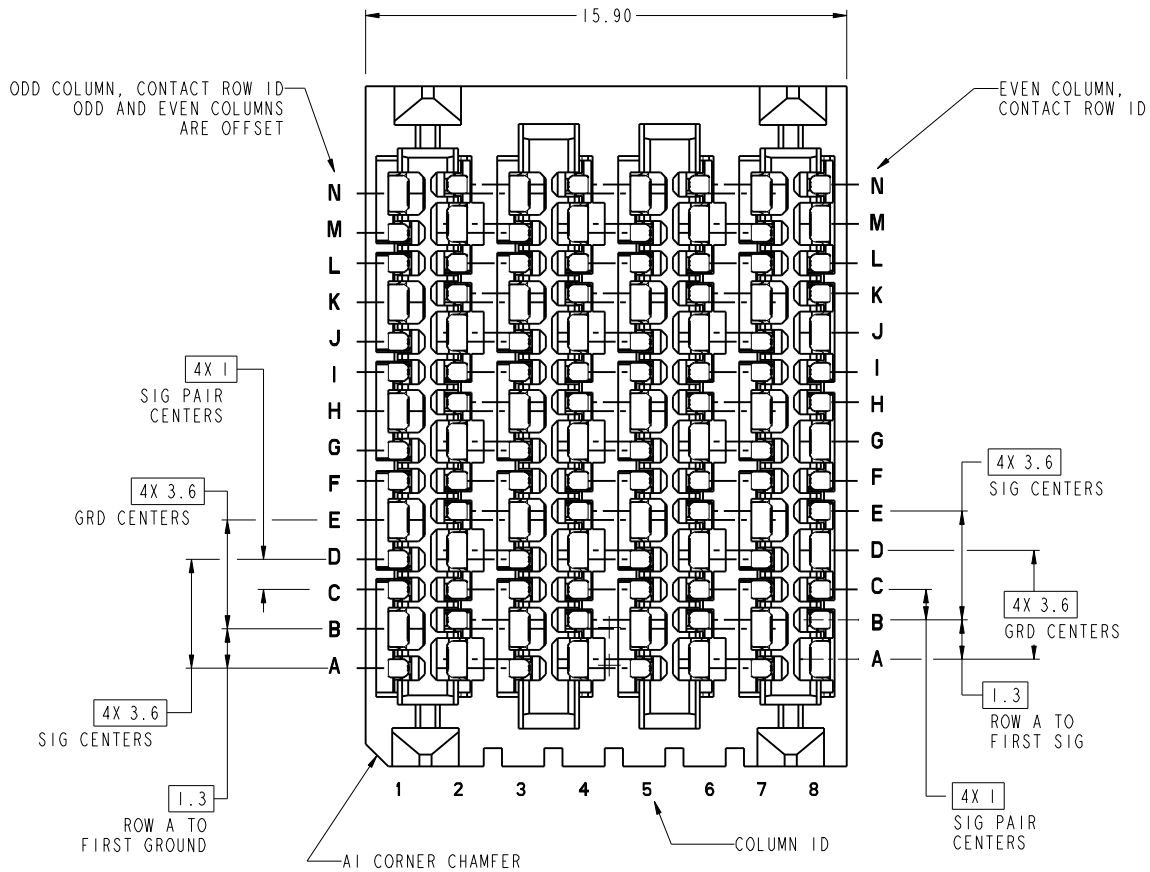


PRODUCT NUMBER
SEE SHEET 10



10121067-Y01LF
10121067-101LF STANDARD MATE CONNECTOR SHOWN

Stu Stoner 2012/05/15
Peng-Bing Fu 2016/04/06

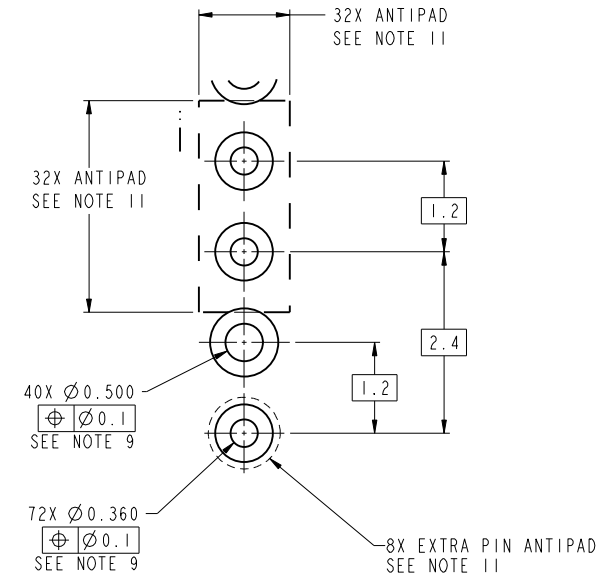
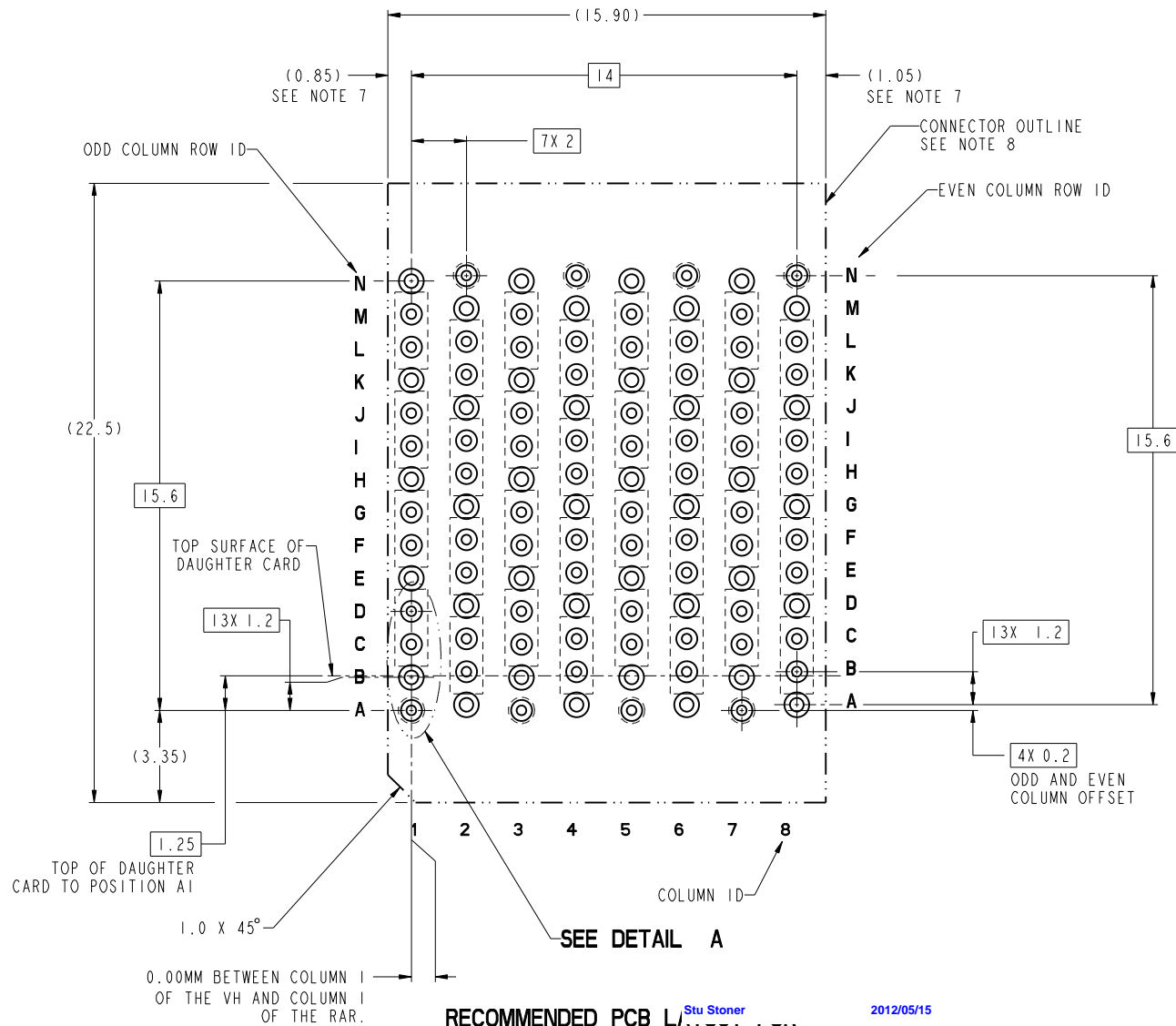
Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			echn no rel level	15
ISO 406		chr	D. JOHNESCU	2013-4-26				
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3	Amphenol FCI	ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA, 16/18 MM SEE TABLE	Product - Customer Draw	10121067	rev 15
		0.XX	±.10					
		0.XXX	±.050					
ISO 1302	angular	0°	±°	col. no.	SEE TABLE			sheet 1 of 11

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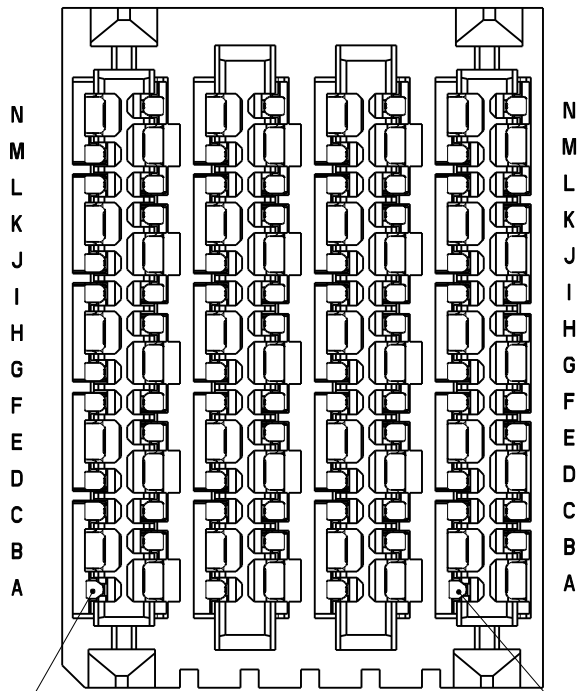


DETAIL A
SCALE 20:1

RECOMMENDED PCB LAYER STACKUP
 10121067-Y01LF COMPOUND
 NOTES 7, 8, 9, 10
 Stu Stoner 2012/05/15
 Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JOHNSCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX	rev	15
surface	linear	Amphenol FCI		ExaMAX VERTICAL HEADER ASSY		ang no	10121067	rev
	angular			4 PR, 112 POS, 8 IMLA, 16/18 MM		cat. no.		15
ISO 1302	0° ±°			SEE TABLE		Product - Customer Draw	sheet 2 of 11	



ADVANCED MATE POSITION A1
SEE NOTE 13

ADVANCED MATE POSITION A7
SEE NOTE 13

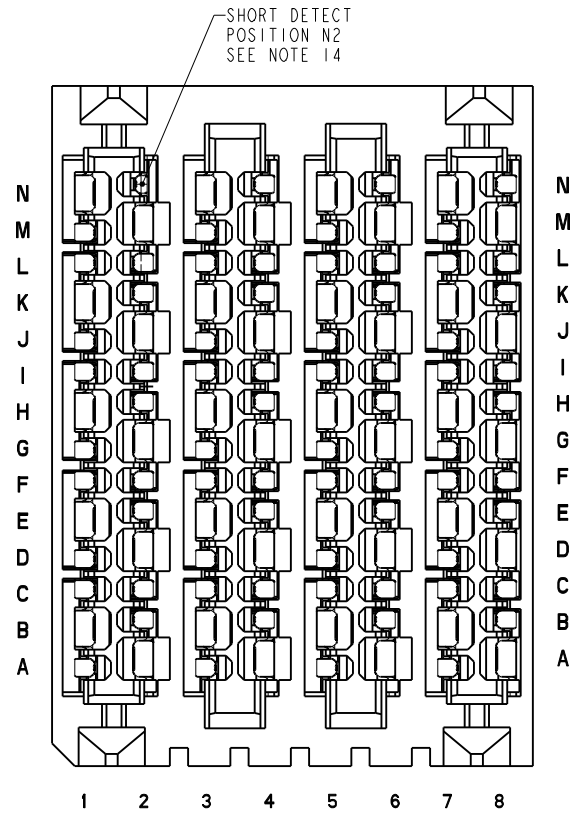
10121067-201LF

OR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 FC... SHEETS 1 & 2

Stu Stoner 2012/05/15
 Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JOHNESCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA, 16/18 MM		ang no	10121067
		0.XX	±.10		cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 11
ISO 1302	angular	0°	±°					



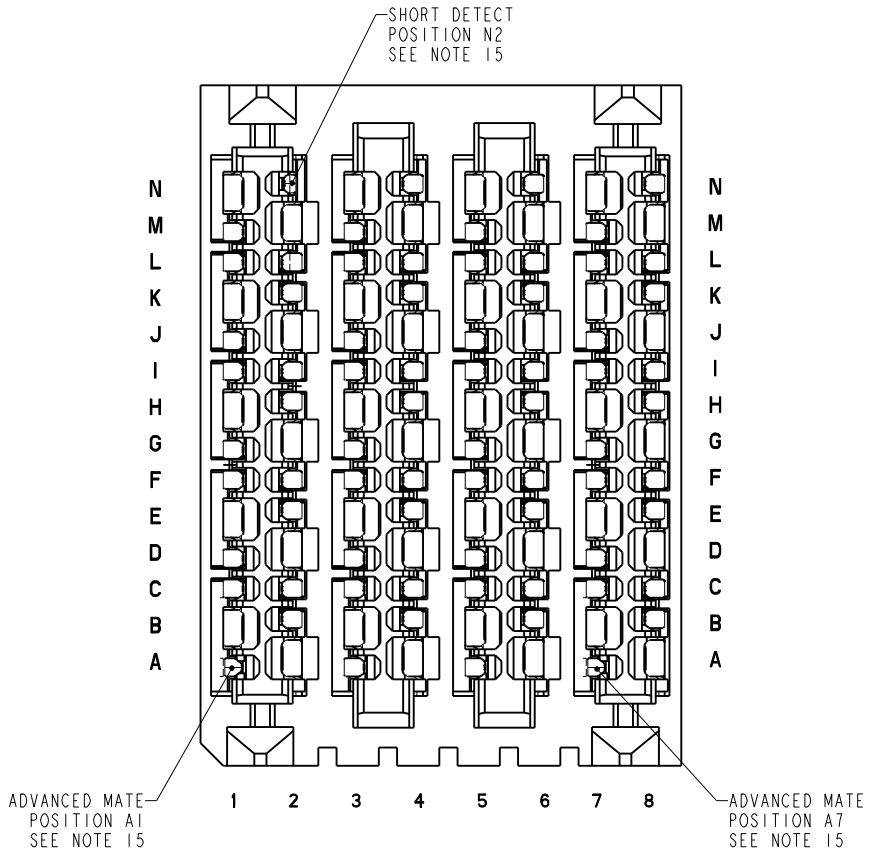
10121067 001 F
 Stu Stoner 2012/05/15
 SHORT DETECT CONNECTOR
 Peng-Bing Fu 2016/04/06

FOR - E - ONLY
 ETS 1 & 2

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15	
ISO 406		chr	D. JOHNESCU	2013-4-26			rel level		
ISO 1101		appr			product family	ExaMAX			
surface	linear	Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY		ang no	10121067
				4 PR, 112 POS, 8 IMLA, 16/18 MM				rev	15
ISO 1302	angular			cat. no.		SEE TABLE		Product - Customer Drw	
								sheet 4 of 11	

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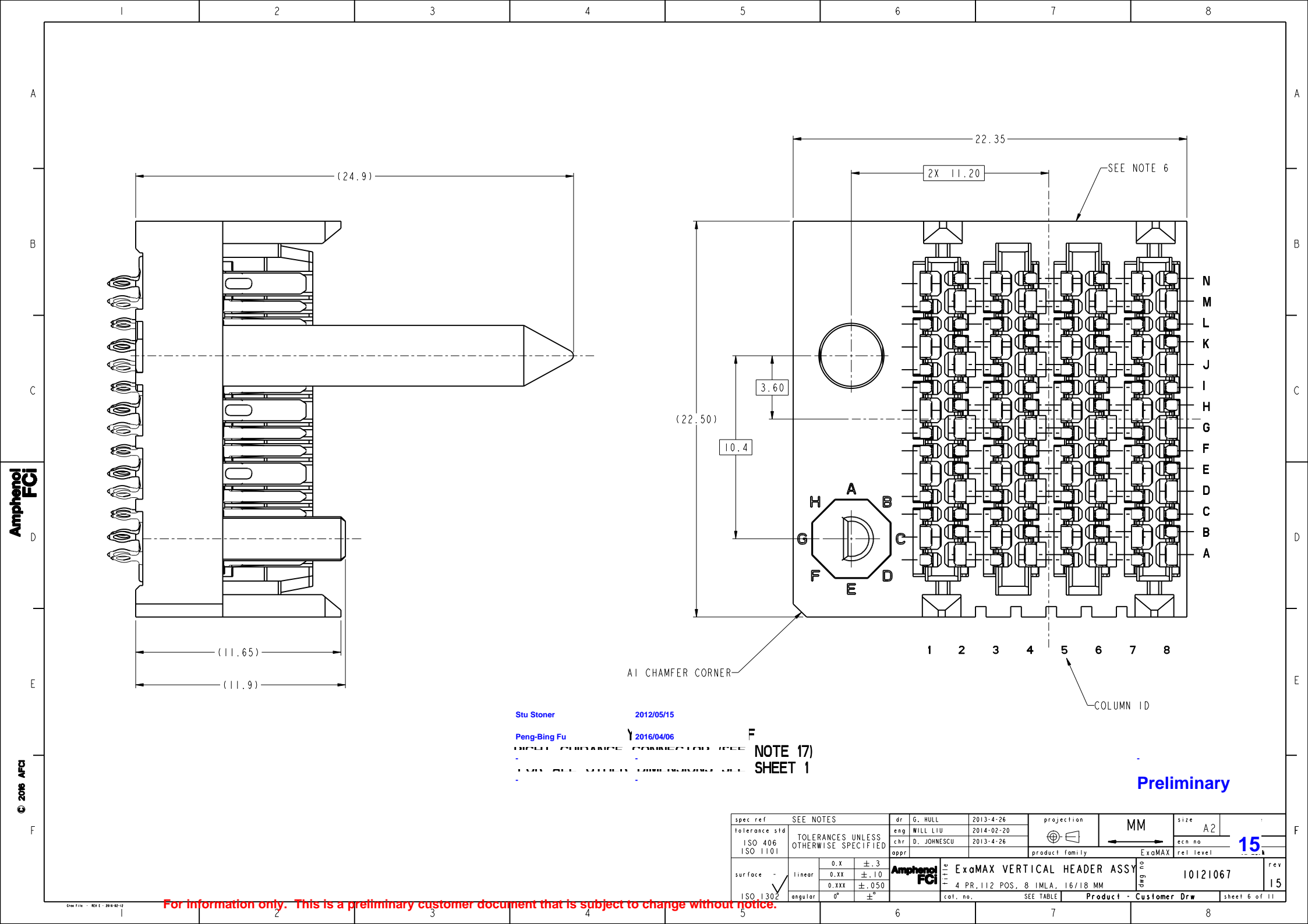
10121067-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 SHORT DETECT POSITION IS N2 ONLY

FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

Stu Stoner 2012/05/15
 Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JOHNESCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	Amphenol FCI		Title		ExaMAX VERTICAL HEADER ASSY		rev
	0.X ±.3			4 PR, 112 POS, 8 IMLA, 16/18 MM		10121067		15
	0.XX ±.10			SEE TABLE		Product - Customer Drw		sheet 5 of 11
	0.XXX ±.050							
ISO 1302	angular							
	0° ±°							



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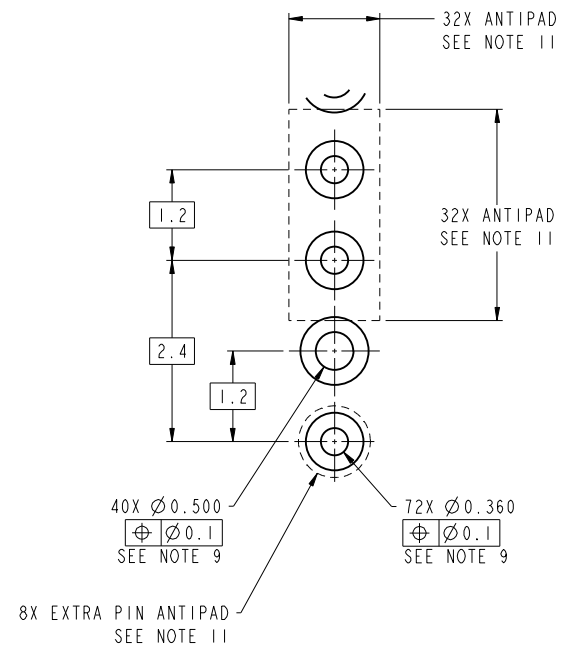
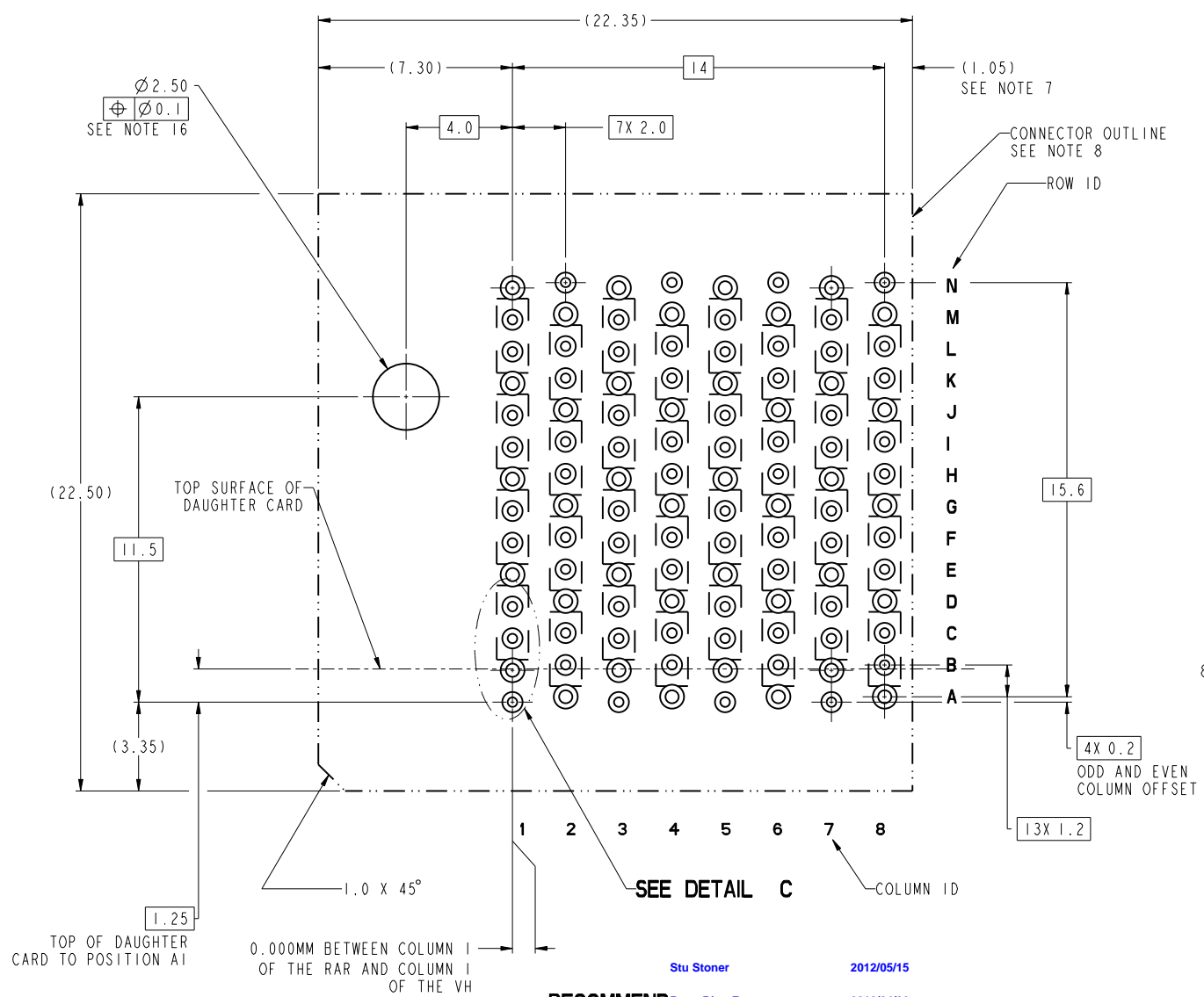
Stu Stoner 2012/05/15
 Peng-Bing Fu 2016/04/06

NOTE 17)
 SHEET 1

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JOHNSCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY		ang no	10121067
		0.XX	±.10		4 PR, 112 POS, 8 IMLA, 16/18 MM		rev	15
		0.XXX	±.050		SEE TABLE		Product - Customer	Drw
ISO 1302	angular	0°	±°	col. no.	SEE TABLE	Product - Customer	Drw	sheet 6 of 11

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DETAIL C
SCALE 20:1

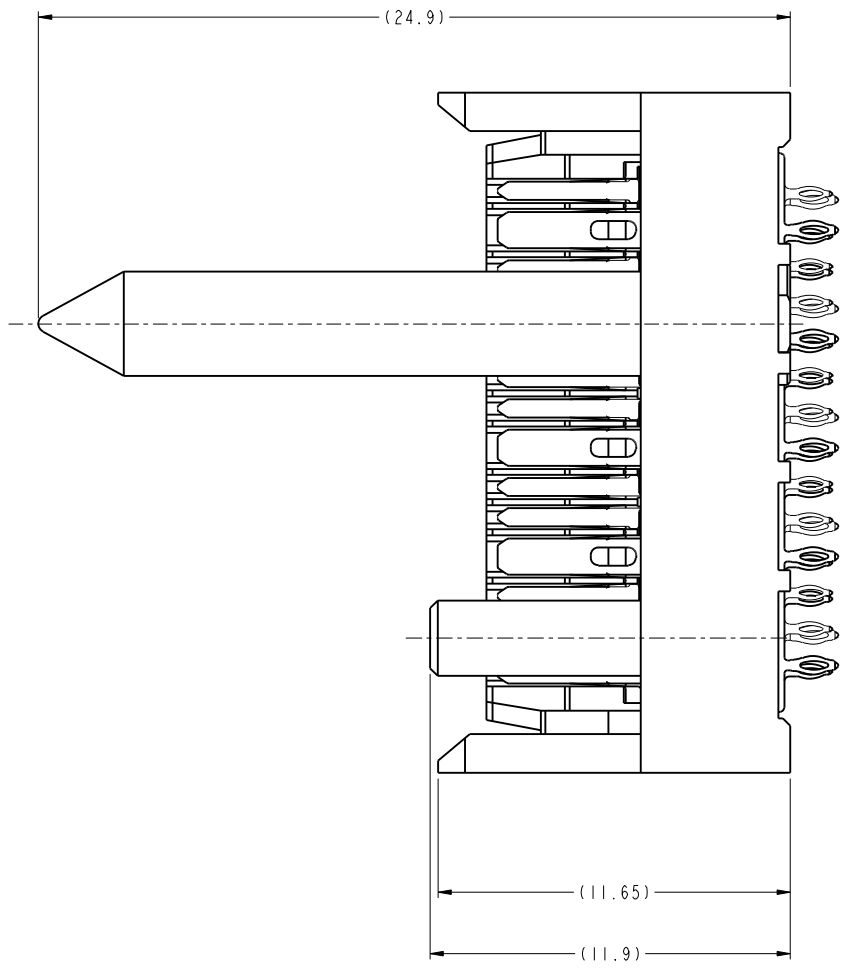
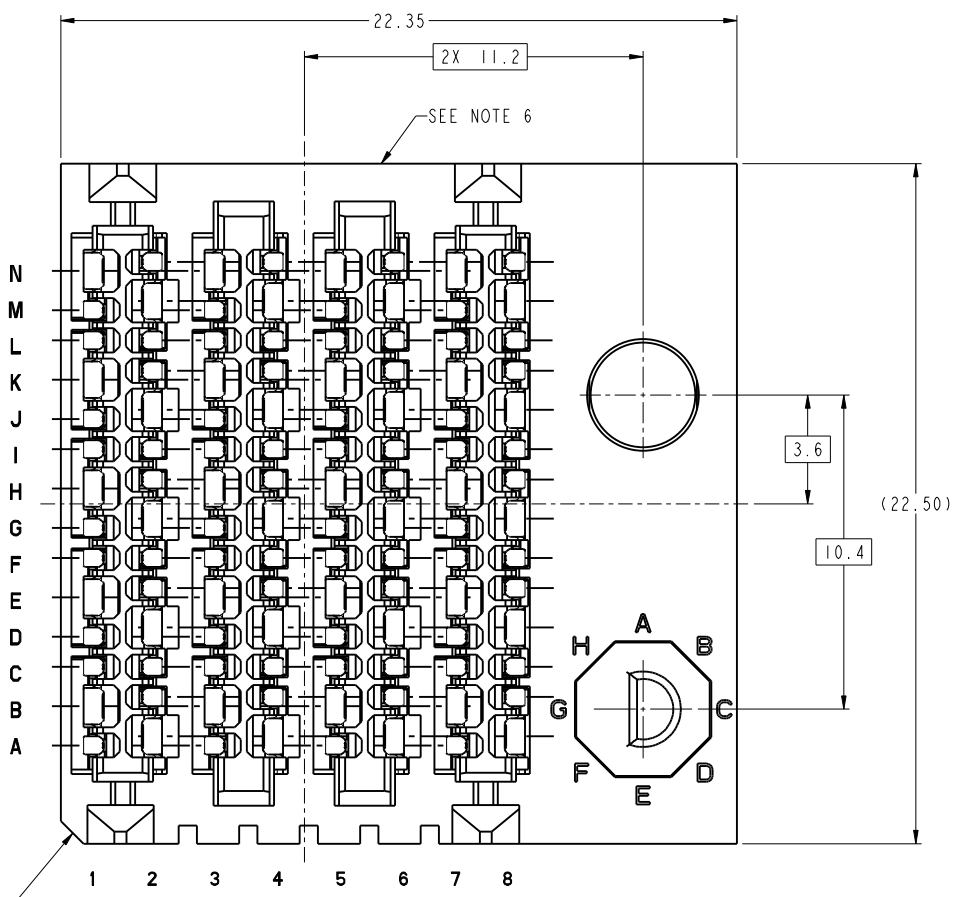
Stu Stoner 2012/05/15
 RECOMMEND Peng-Bing Fu 2016/04/06
 10121067-Y1Y
 SEE NOTE

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JOHNESCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX	rel level	
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 1MLA, 16/18 MM	eng no 10121067	rev 15	
		0.XX	±.10					
		0.XXX	±.050					
ISO 1302	angular	0°	±°	col. no.	SEE TABLE	Product - Customer	Draw	sheet 7 of 11

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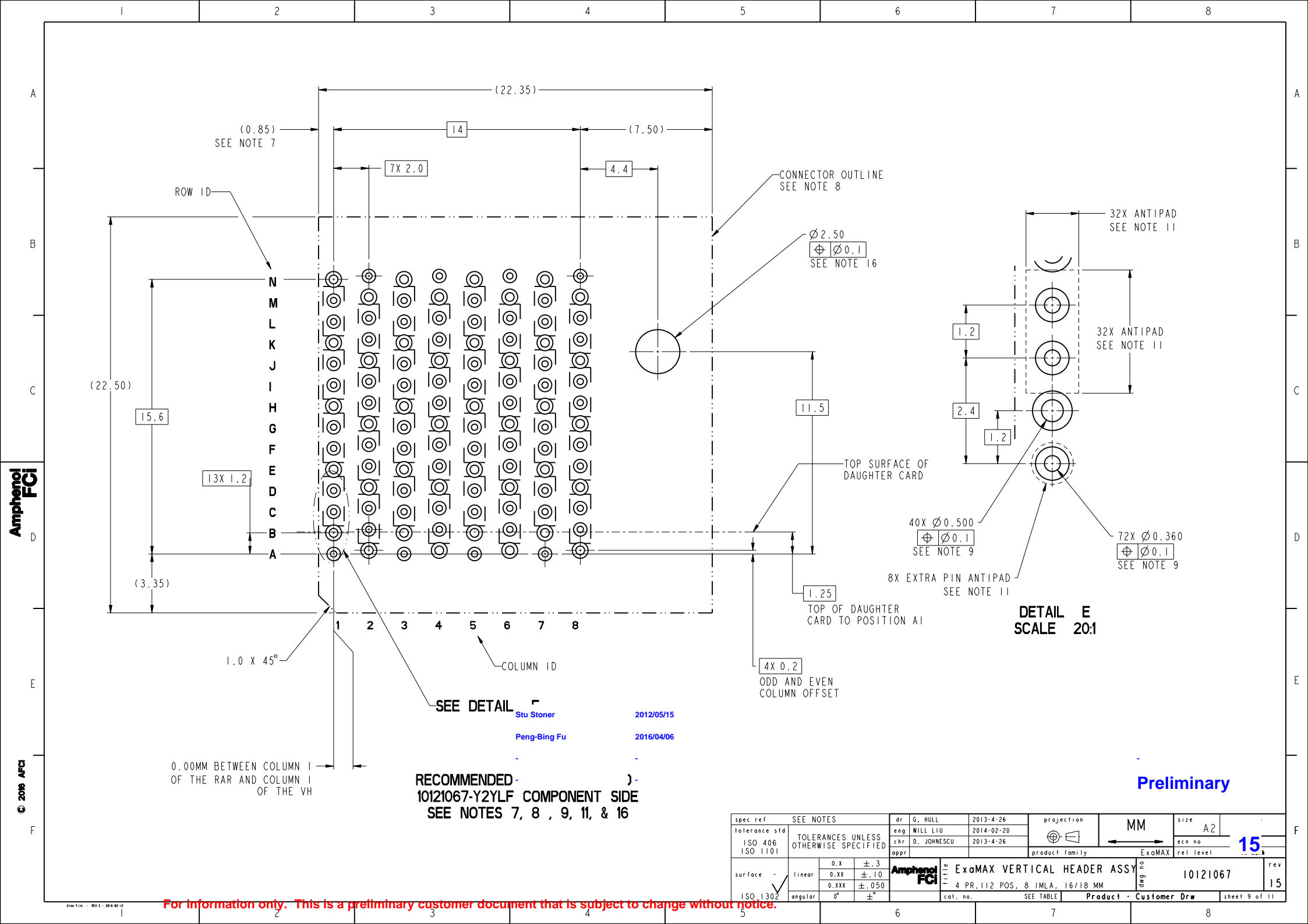


Stu Stoner 2012/05/15
 Peng-Bing Fu 2016/04/06
 SEE NOTE 17)
 SEE SHEET 1

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JOHNESCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY		eng no	10121067
		0.XX	±.10		4 PR, 112 POS, 8 IMLA, 16/18 MM		cat. no.	SEE TABLE
		0.XXX	±.050		Product - Customer Draw		sheet	8 of 11
ISO 1302	angular	0°	±°					

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F

0.00MM BETWEEN COLUMN 1 OF THE RAR AND COLUMN 1 OF THE VH

RECOMMENDED -
10121067-Y2YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16






















SEE DETAIL
Stu Stoner 2012/05/15
Peng-Bing Fu 2016/04/06

DETAIL E
SCALE 20:1

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406		chr	D. JHNESECU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX	rel level	
surface	linear	0.x	±.3		ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA, 16/18 MM	part no 10121067	rev 15	
		0.xx	±.10					
		0.xxx	±.050					
ISO 1302	angular	0°	±°	col. no.	SEE TABLE	Product - Customer Draw	sheet 9 of 11	




10121067 - 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)	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)	
										

ASSEMBLY PART NUMBER	DESCRIPTION
10121067-1YYLF	STANDARD MATE
10121067-2YYLF	ADVANCED MATE
10121067-3YYLF	SHORT DETECT
10121067-4YYLF	ADVANCED MATE & SHORT DETECT

Stu Stoner 2012/05/15
 Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15	
ISO 406		chr	D. JOHNESCU	2013-4-26			rel level	15	
ISO 1101		appr			product family	ExaMAX			
surface	 linear 0.X ±.3 0.XX ±.10 0.XXX ±.050 ISO 1302 angular 0° ±°	Amphenol FCI	title ExaMAX VERTICAL HEADER ASSY 4 PR. 112 POS. 8 IMLA. 16/18 MM			ang no	10121067	rev	15
			cat. no.	SEE TABLE	Product - Customer Drw	sheet	10 of 11		

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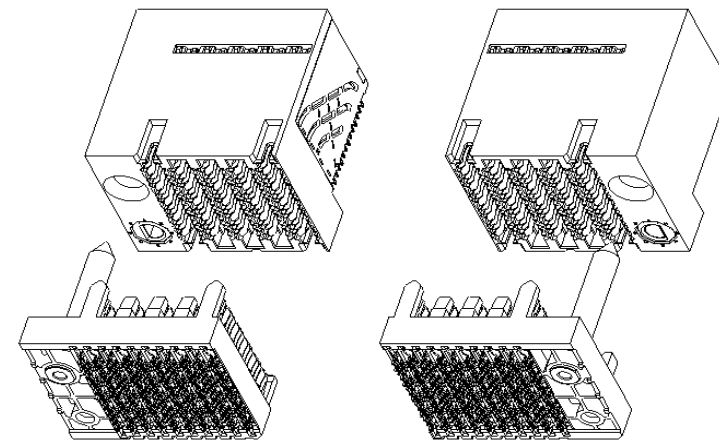
Amphenol FCI

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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
POLARIZING 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 THE APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTHS, 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 HEADER, 10121067-2YYLF, 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, 10121067-3YYLF, 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, 10121067-4YYLF, 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 GROU
- 16 - FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, ONE PHILLIF SCREW MUST BE USED TO SECURE GUIDE PIN /CONNECTOR TO THE PCB. THE SCREW IS 2.0 - 6.0MM PLUS THE THICKNESS OF THE BOARD. SCREW IS NOT PROVIDED V.
- 17 - LEFT / RIGHT INTEGRATED GUIDE ORIENTATION IS DETERMINED BY THE LOCAL 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
4-PAIR 10-IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17**

Stu Stoner 2012/05/15
Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2013-4-26	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	WILL LIU	2014-02-20			ech no	15
ISO 406 ISO 1101		chr	D. JOHNSCU	2013-4-26				
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY		eng no	10121067
ISO 1302	0.XX	±.10	4 PR. 112 POS, 8 IMLA, 16/18 MM		cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11
	angular	0°			±°	rev	15	

Amphenol FCI

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[1410337-1](#) [1410368-3](#) [1410964-2](#) [1410326-3](#) [1410367-3](#) [1410971-4](#) [1467833-1](#) [2000877-1](#) [2000878-1](#) [2041314-1](#) [2065387-1](#) [2187307-1](#)
[2187462-1](#) [2226278-6](#) [KA81-07](#) [91290-101LF](#) [1934290-1](#) [2000875-1](#) [2065917-1](#) [2102736-2](#) [FSR-40](#) [2169868-2](#) [2226279-2](#) [22354-8](#) [437-](#)
[5040-000](#) [5-1393565-0](#) [532449-3](#) [532803-2](#) [34745-0001](#) [0740618502](#) [0760151403](#) [0760551105](#) [0760551608](#) [0761451128](#) [0761651124](#)
[0761655108](#) [0761659807](#) [0769853208](#) [0736440217](#) [0758324203](#)