

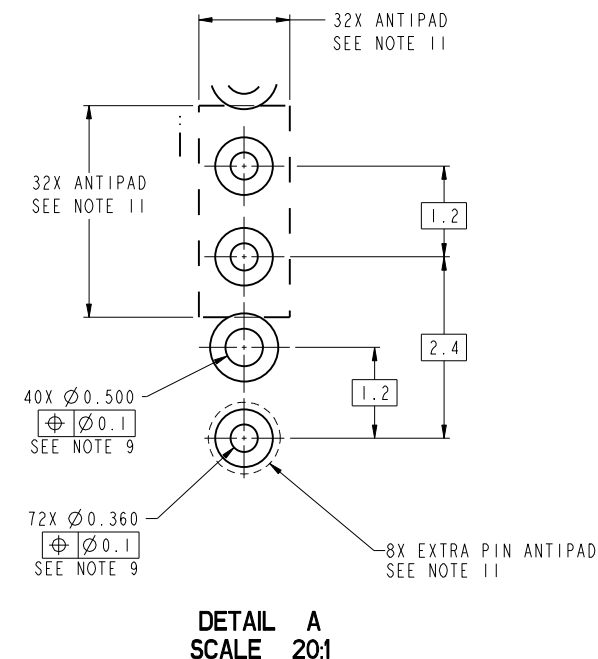
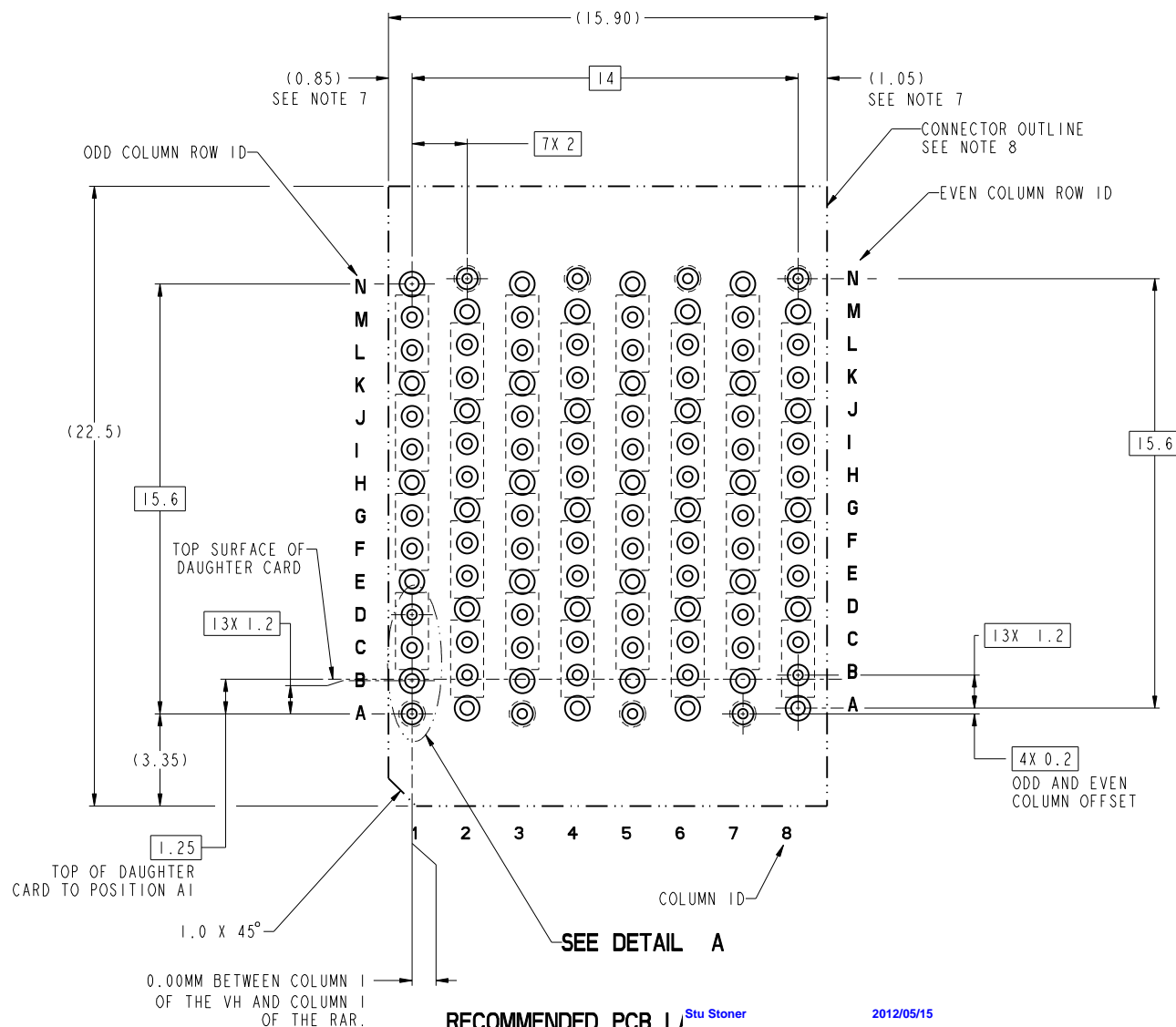


Stu Stoner

2012/05/15

Preliminary

15






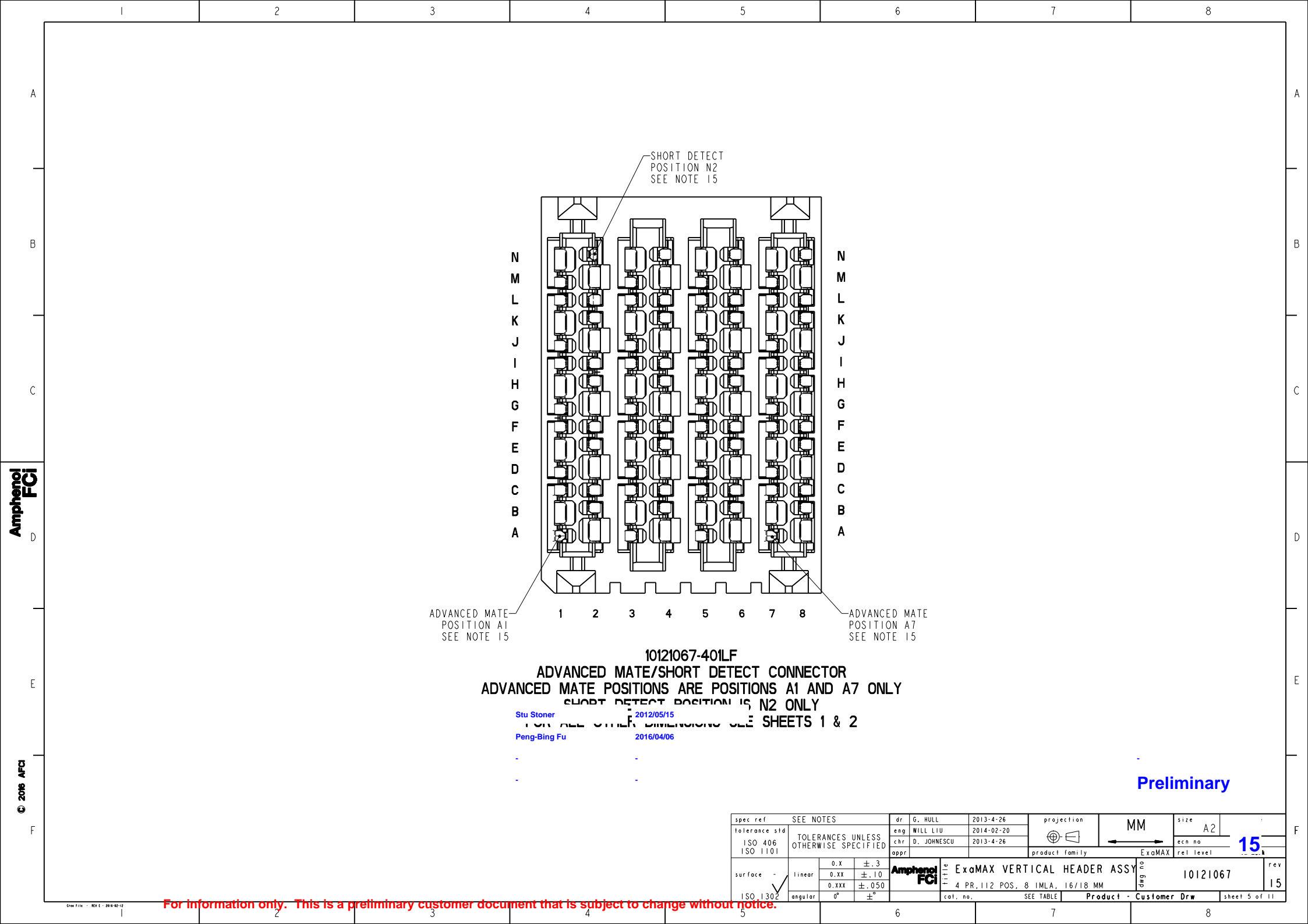
RECOMMENDED PCB LAYER: 10121067-Y01LF COMPOUND: NOTES 7, 8, 9, 10

2012/05/15

2016/04/06

Preliminary

spec ref	SEE NOTES		dr	G. HULL	2013-4-26	projection		size	A2		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	WILL LIU	2014-02-20			ecn no	15		
ISO 406			chr	D. JOHNECU	2013-4-26						
ISO 1101			appr			product family		ExaMAX	rel level		
surface	linear	±.3	Amphenol FCI	title				ExaMAX VERTICAL HEADER ASSY		10121067	rel
		±.10		4 PR,112 POS, 8 1MLA, 16/18 MM							
		±.050									
		±.050									
ISO 1302	angular	0°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 2 of 11			



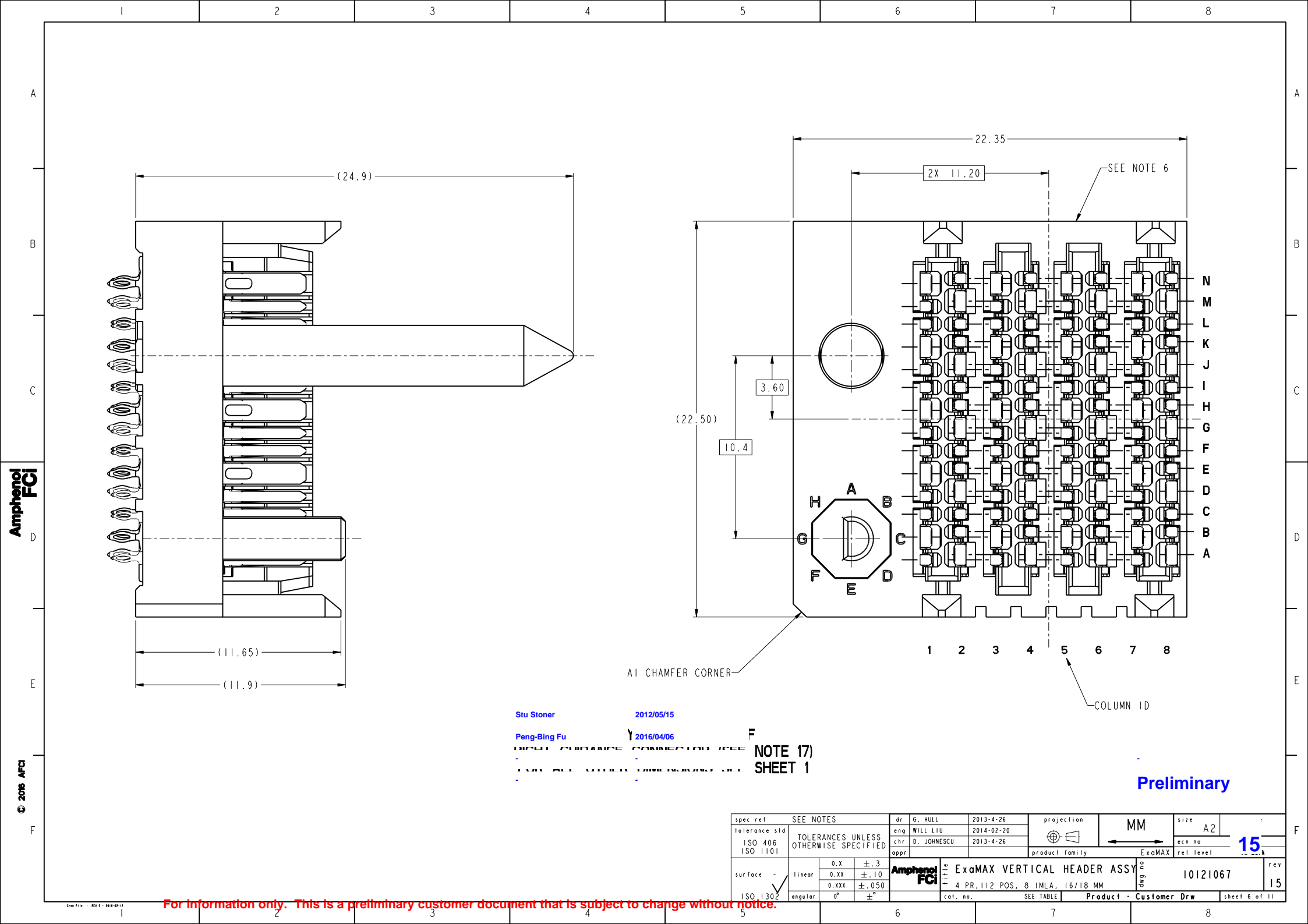
10121067-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
SHORT DETECT POSITION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

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			ecn no	15	
ISO 406					chr	D. JOHNSCU	2013-4-26			rel level		
ISO 1101					appr				product family	ExoMAX		
surface		linear	0.X ±.3				ExoMAX VERTICAL HEADER ASSY		4 PR, 112 POS, 8 IMLA, 16/18 MM	10121067	rev 15	
ISO 1302			0.XX ±.10									
			0.XXX ±.050									
		angular	0° ±°						cat. no.	SEE TABLE	Product - Customer Drw	sheet 5 of 11

For information only. This is a preliminary customer document that is subject to change without notice.



Amphenol
FCI

© 2016 APCI

Stu Stoner 2012/05/15

Peng-Bing Fu 2016/04/06

NOTE 17)
SHEET 1

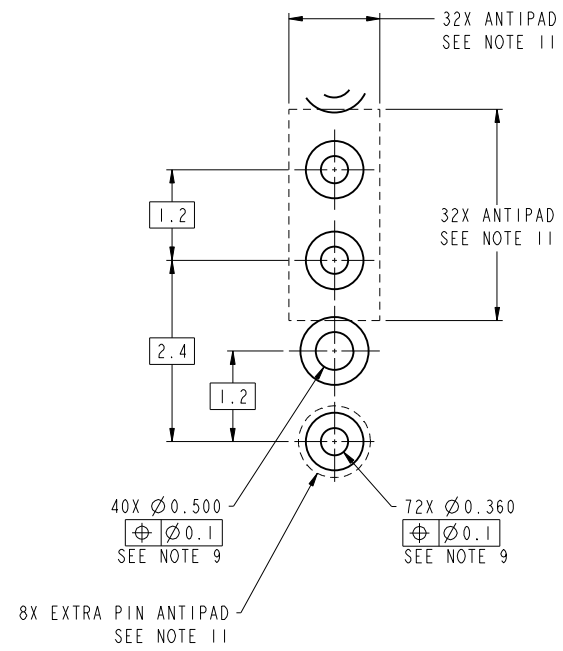
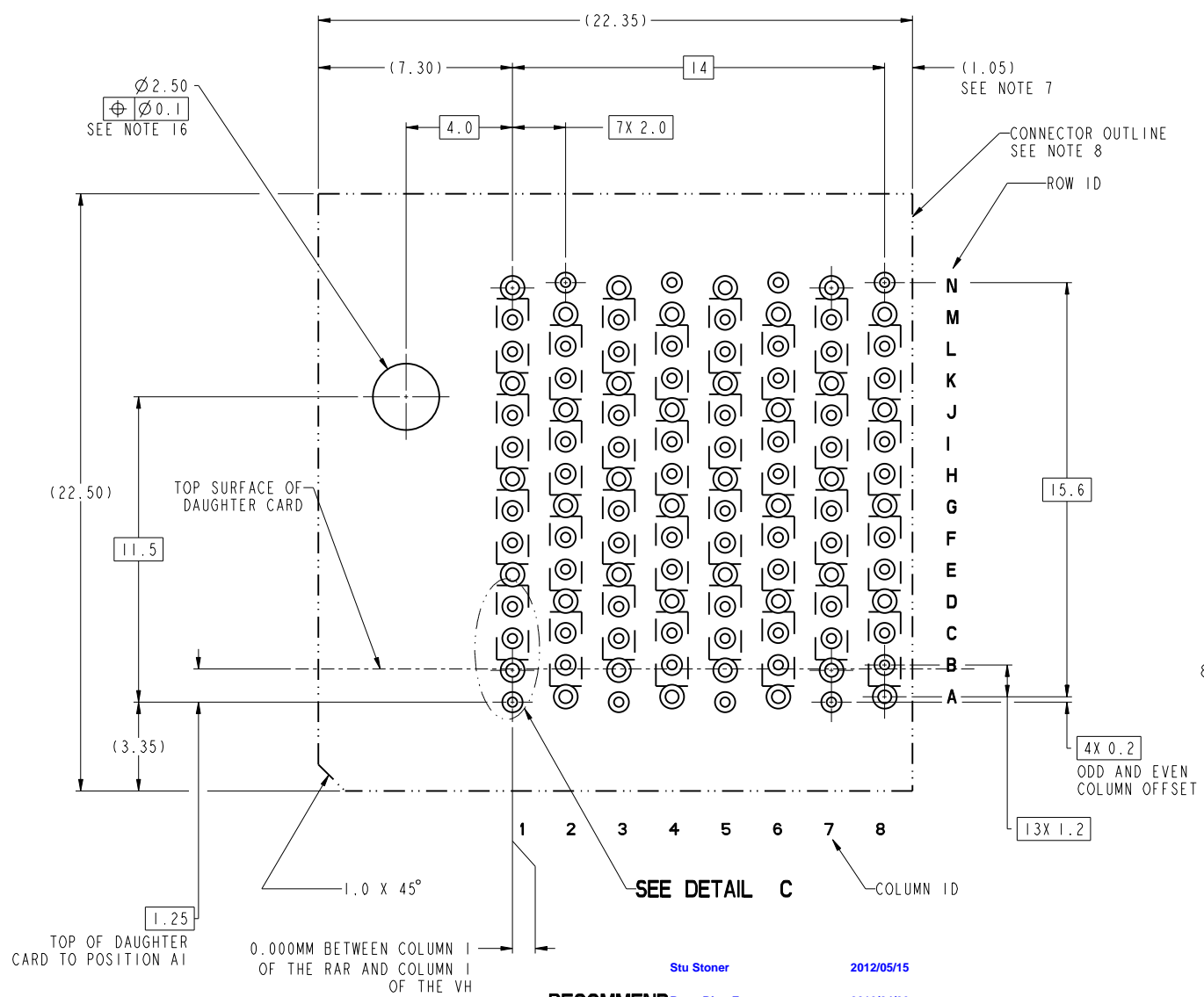
Preliminary

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	product family	ExaMAX	rel level	15
ISO 406		chr	D. JOHNSCU	2013-4-26				
ISO 1101		appr						
surface	linear	0.X	±.3	Amphenol FCI	ExaMAX VERTICAL HEADER ASSY	ang no	10121067	rev
		0.XX	±.10		4 PR, 112 POS, 8 IMLA, 16/18 MM			15
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 11
ISO 1302	angular	0°	±°					

For information only. This is a preliminary customer document that is subject to change without notice.

Amphenol
FCI

© 2016 APCI



DETAIL C
SCALE 20:1

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

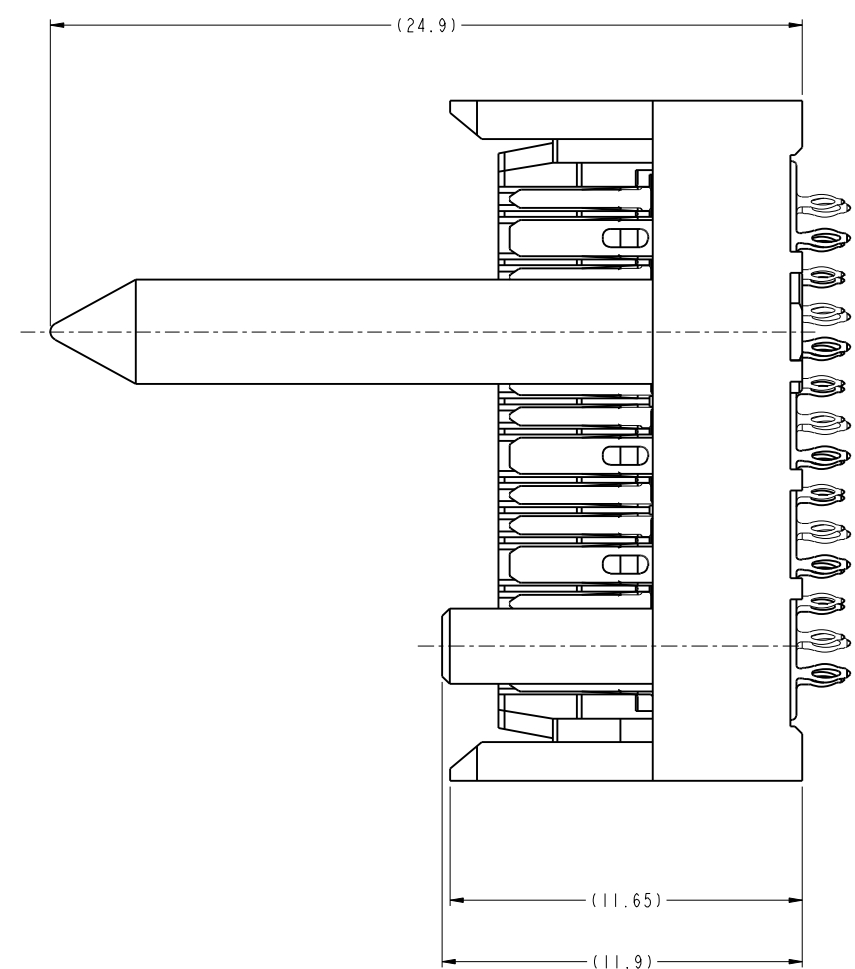
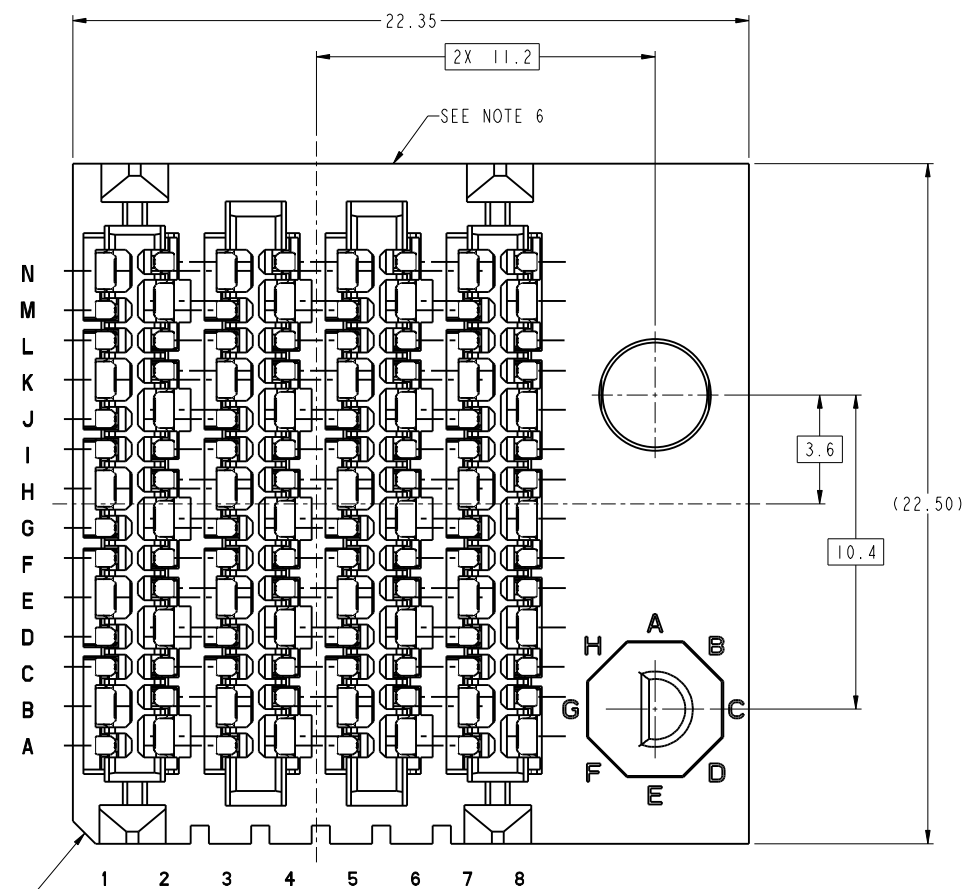
Preliminary

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	chr	D. JOHNSCU	2013-4-26	15
ISO 406		appr			product family	ExaMAX	rel level	
ISO 1101		Amphenol FCI	ExaMAX VERTICAL HEADER ASSY	4 PR, 112 POS, 8 IMLA, 16/18 MM	cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 11
surface	linear	0.X ±.3	0.XX ±.10	0.XXX ±.050	angular	0° ±°	ang no	10121067
ISO 1302								rev 15

For information only. This is a preliminary customer document that is subject to change without notice.



Amphenol
FCI

© 2016 Amphenol
FCI

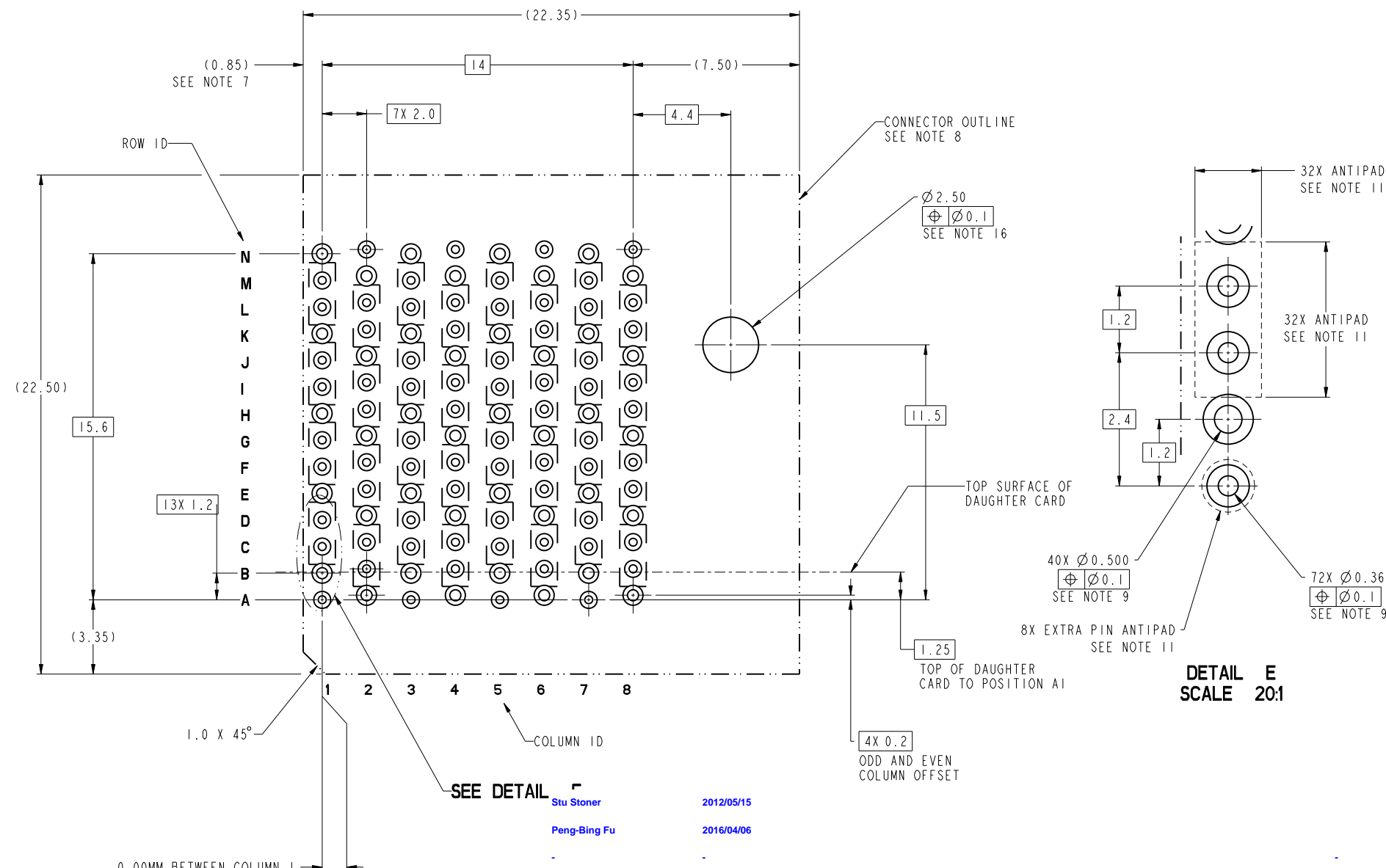


Stu Stoner 2012/05/15
Peng-Bing Fu 2016/04/06
2JLFF
SEE NOTE 17)
SEE SHEET 1

Preliminary

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

For information only. This is a preliminary customer document that is subject to change without notice.














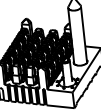









RECOMMENDED
10121067-Y2YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

Preliminary

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

10121067 - Y Y Y L F




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

Stu Stoner 2012/05/15

Peng-Bing Fu 2016/04/06

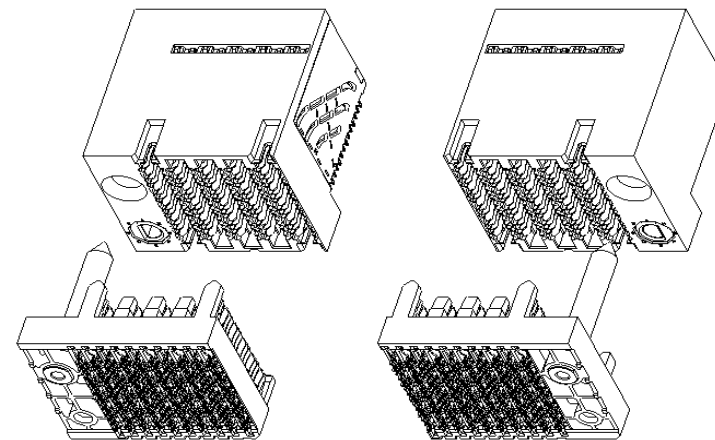
Preliminary

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

For information only. This is a preliminary customer document that is subject to change without notice.

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 GROUND CONTACTS.
- 16 - FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, ONE PHILLIPS SCREW MUST BE USED TO SECURE GUIDE PIN /CONNECTOR TO THE PCB. THE SCREW MUST BE 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

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. JHONESCU	2013-4-26			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	Amphenol FCI	ExaMAX VERTICAL HEADER ASSY	4 PR, 112 POS, 8 IMLA, 16/18 MM	ang no	10121067	rev	15
ISO 1302	angular	cat. no.	SEE TABLE	Product - Customer Drw	sheet	11 of 11		

For information only. This is a preliminary customer document that is subject to change without notice.