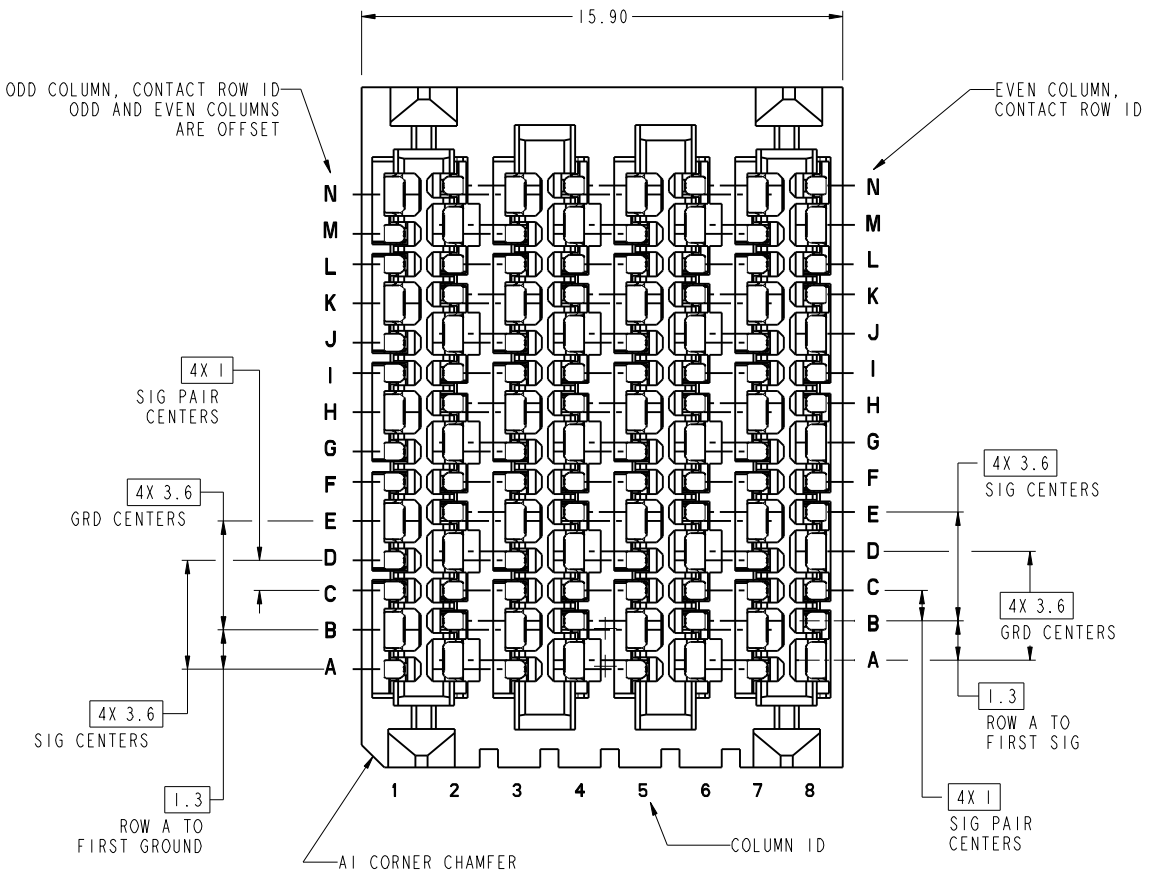
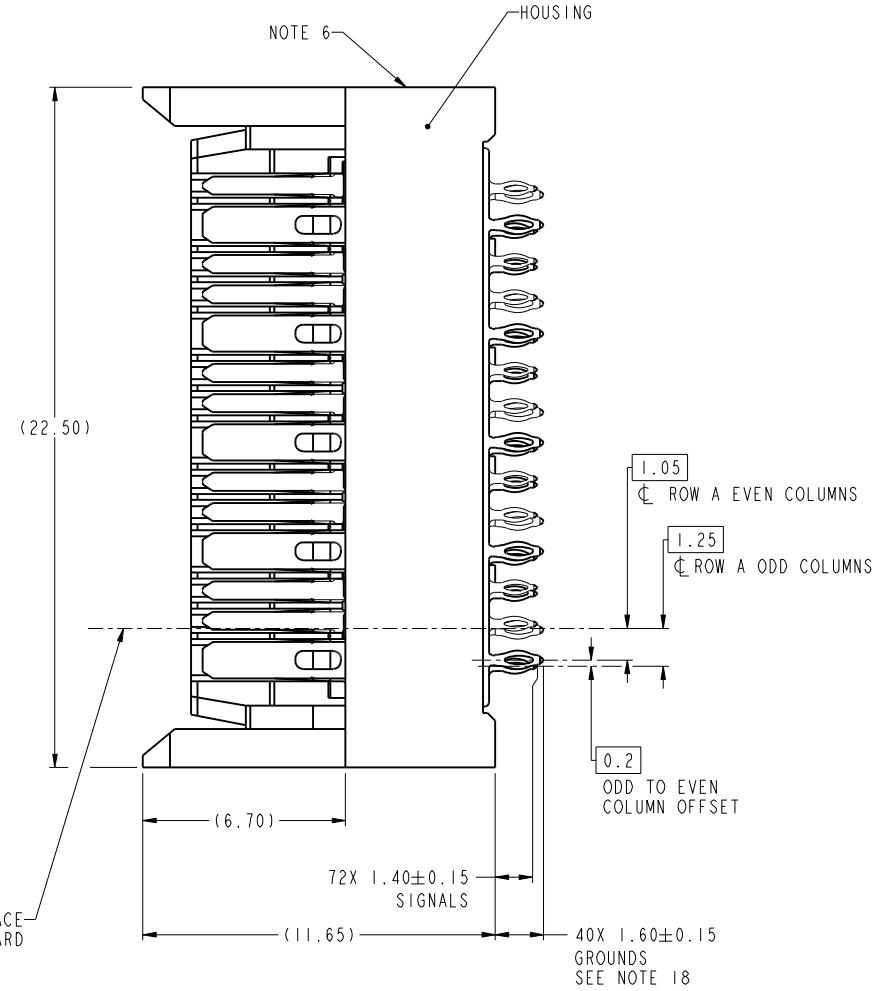
PRODUCT NUMBER
SEE SHEET 16



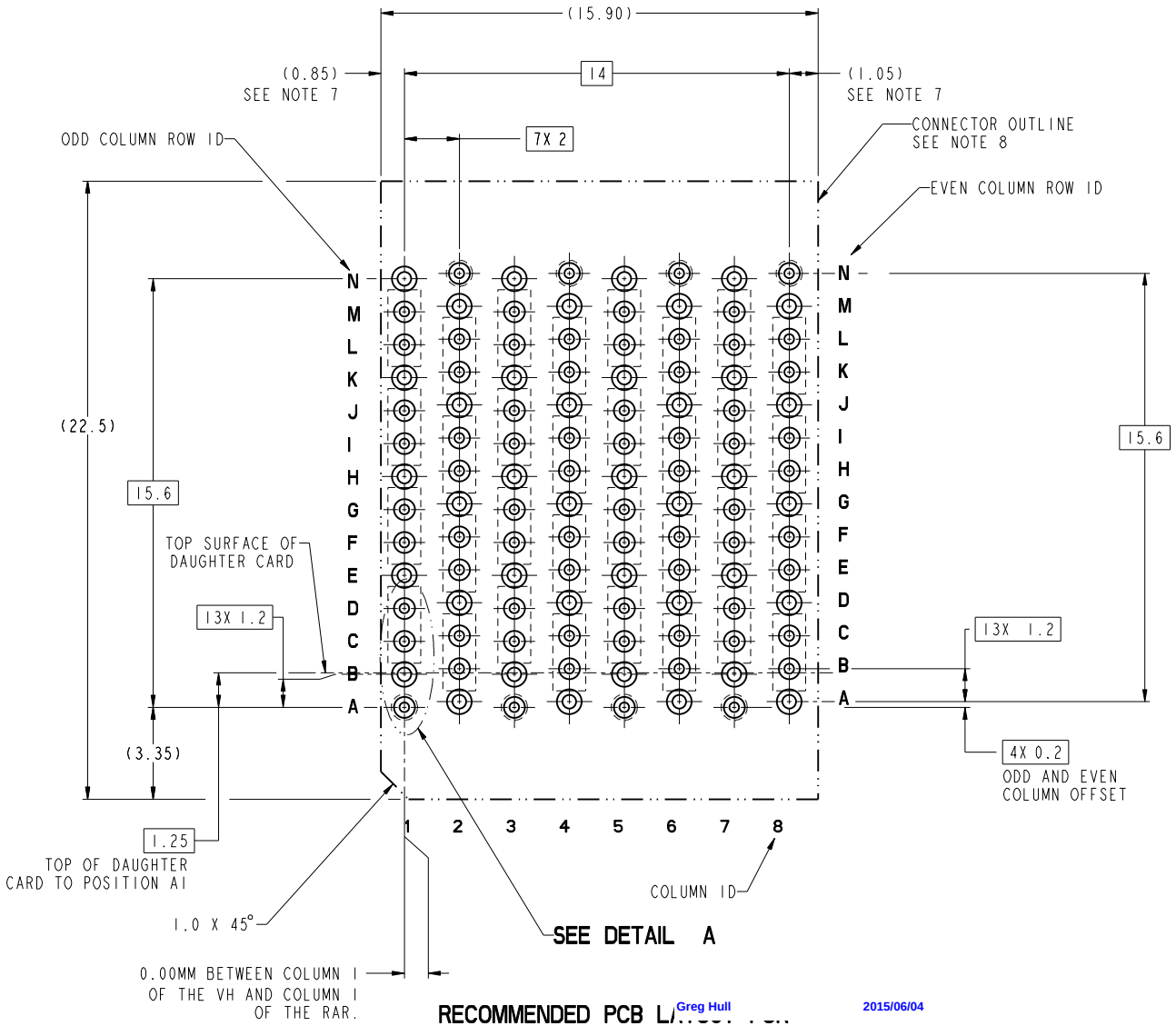


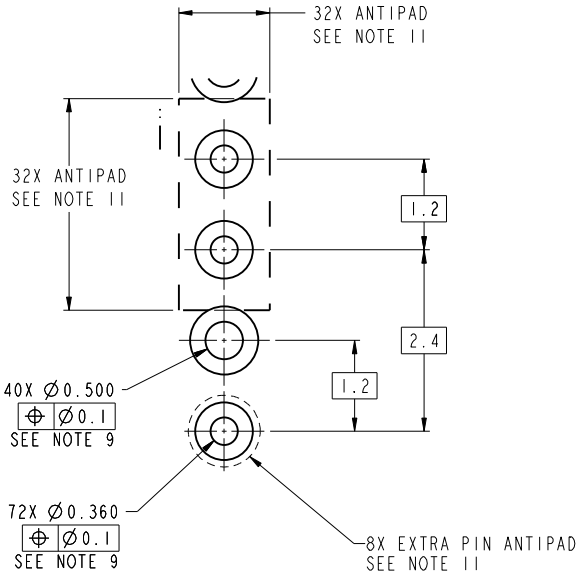
10135222-Y01LF
(10135222-101LF STANDARD MATE CONNECTOR SHOWN)

Greg Hull	2015/06/04
Peng-Bing Fu	2016/04/06
-	-
-	-

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no	2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08				
				appr			product family	ExaMAX	rel level	
surface -	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY			dwg no	10135222	rev	2
ISO 1302		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA				
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 1 of 11	
	angular	0°	±°							





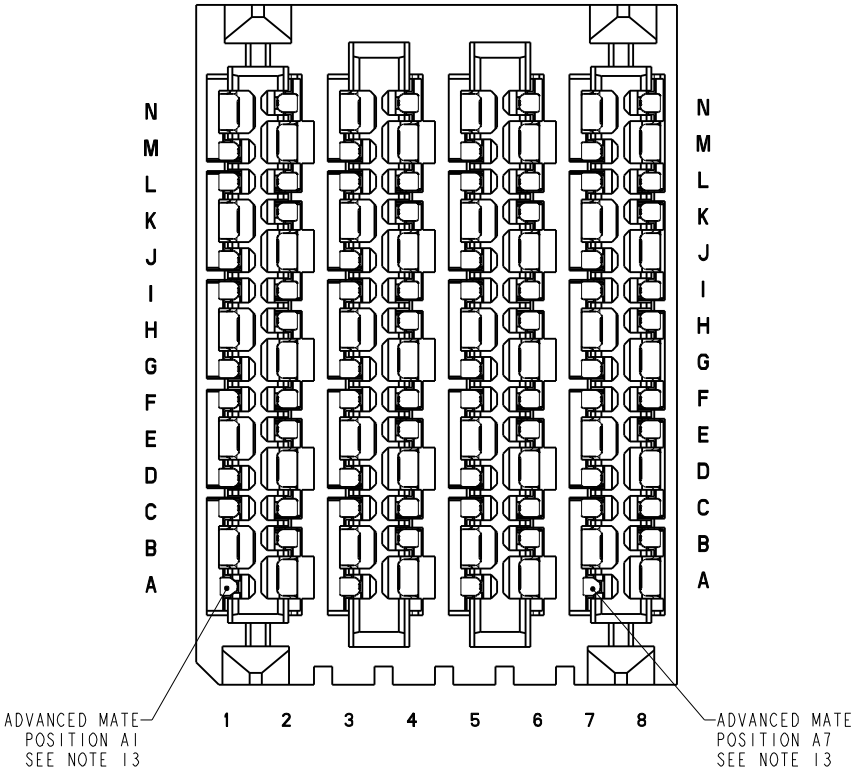
DETAIL A
SCALE 20:1

RECOMMENDED PCB L... FOR
10135222-Y01LF COMPO...
NOTES 7, 8 , 9, ...

Greg Hull 2015/06/04
Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08			
				appr			product family	ExaMAX	rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY		dwg no 10135222	rev 2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA			
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 2 of 11
	angular	0°	±°						



10135222-201LF

[illegible] OR

ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY

FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

Greg Hull 2015/06/04

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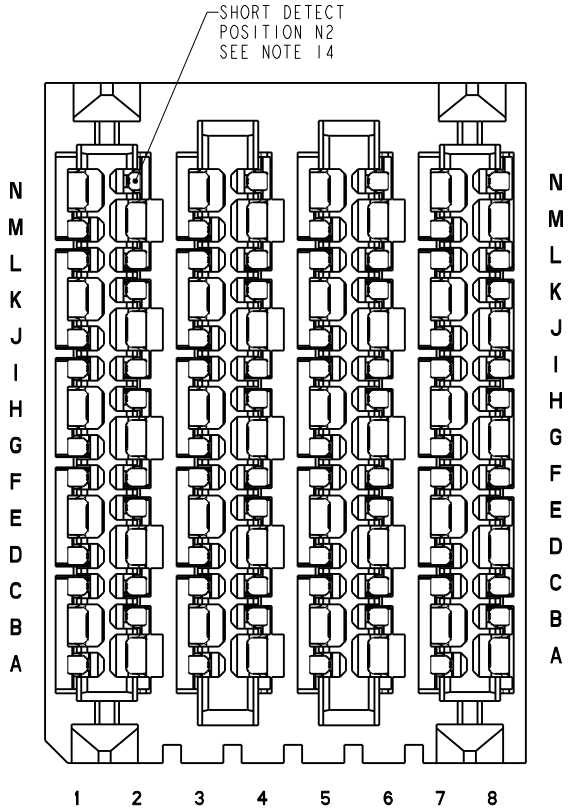
Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no	2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08			rel level	
				appr			product family	ExaMAX		
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY			dwg no	10135222	rev	2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA						
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 3 of 11			
	angular	0°	± °							



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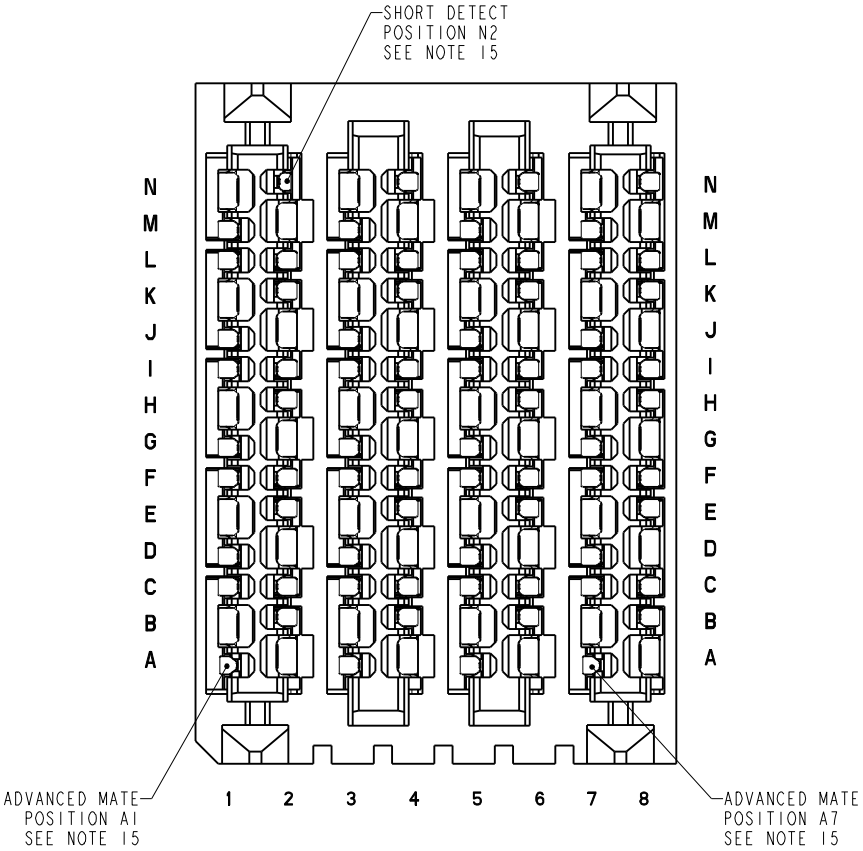
FOR - E - ETS 1 & 2

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
				chr	G. HULL	2015-07-08			
				appr			product family	ExaMAX	rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY		dwg no 10135222	rev 2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA			
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 4 of 11
	angular	0°	± °						



10135222-401LF

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

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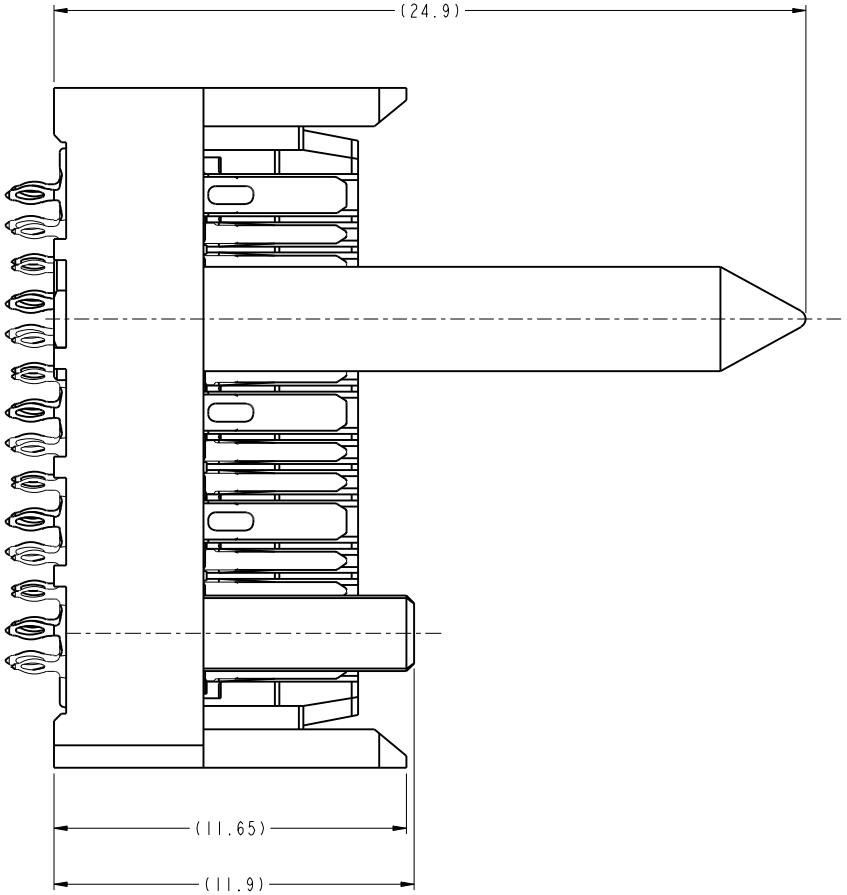
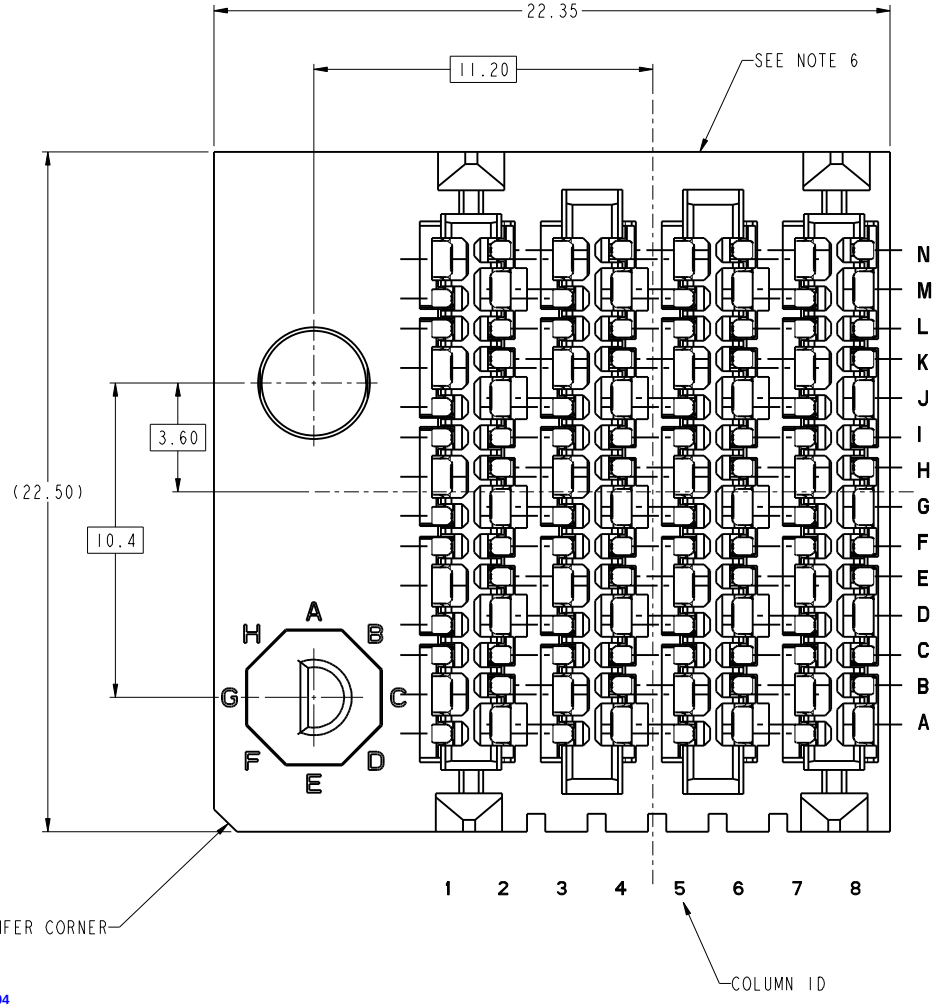
Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no	2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08			rel level	
				appr			product family	ExaMAX		
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY			dwg no	10135222	rev	2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA						
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 5 of 11			
	angular	0°	± °							





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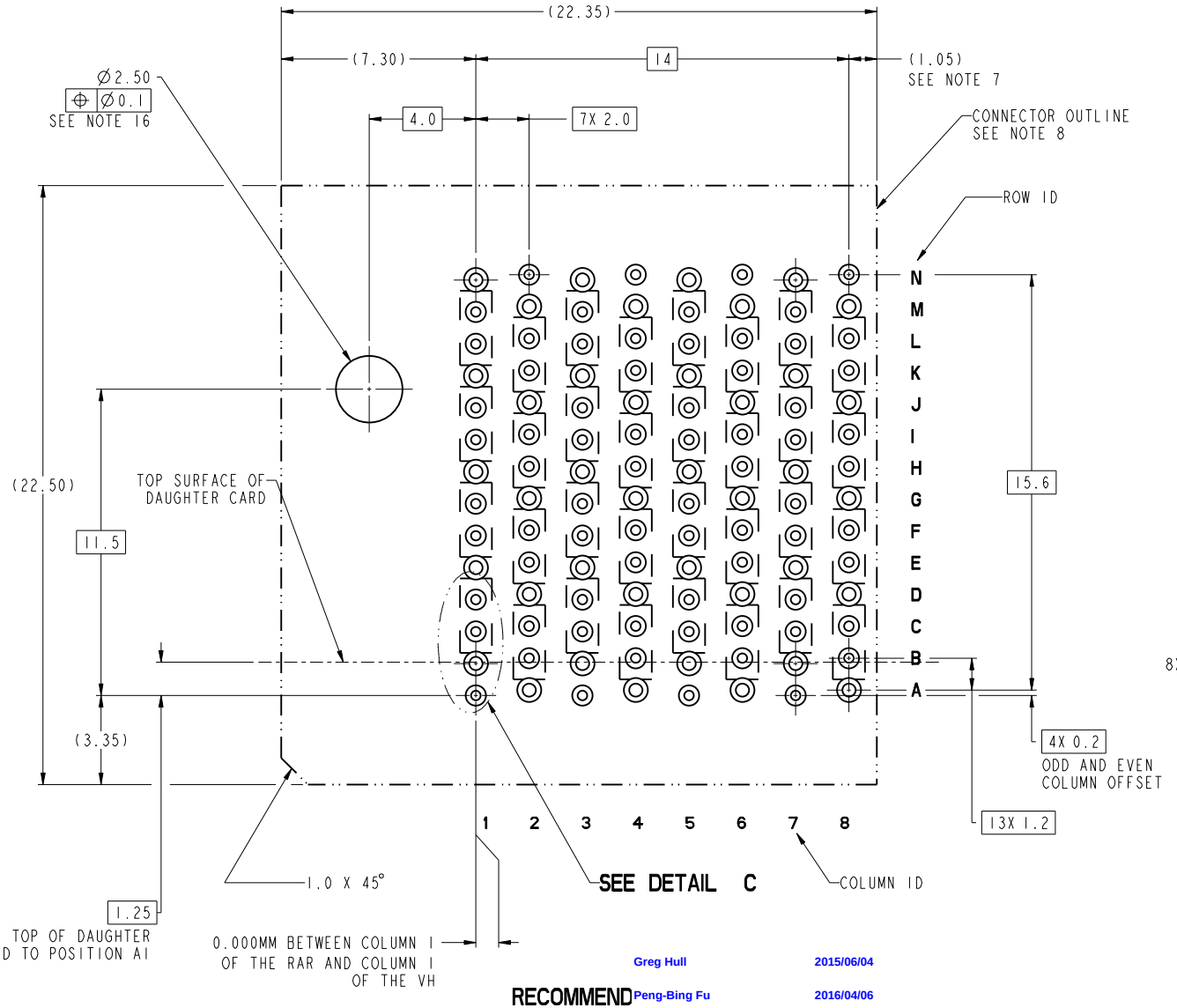
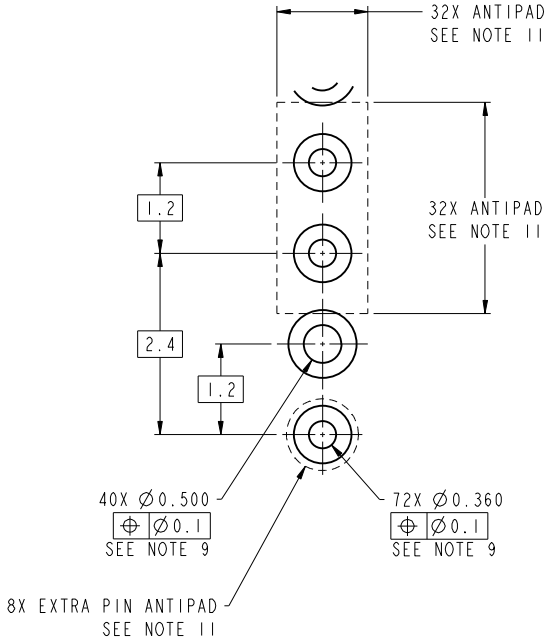
NOTE 17)

SHEET 1

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no	2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08				
				appr			product family	ExaMAX	rel level	
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY			dwg no	10135222	rev	2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA						
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 6 of 11			
	angular	0°	±°							





DETAIL C
SCALE 20:1

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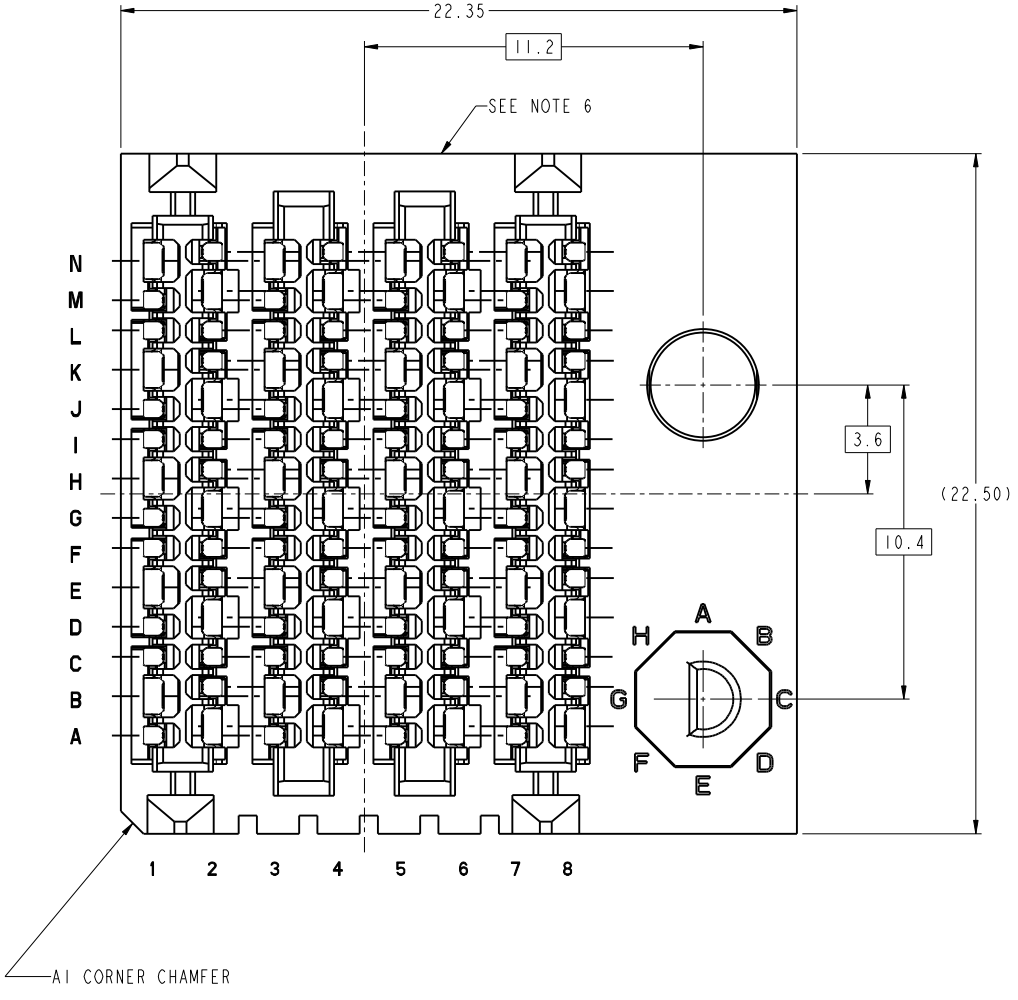
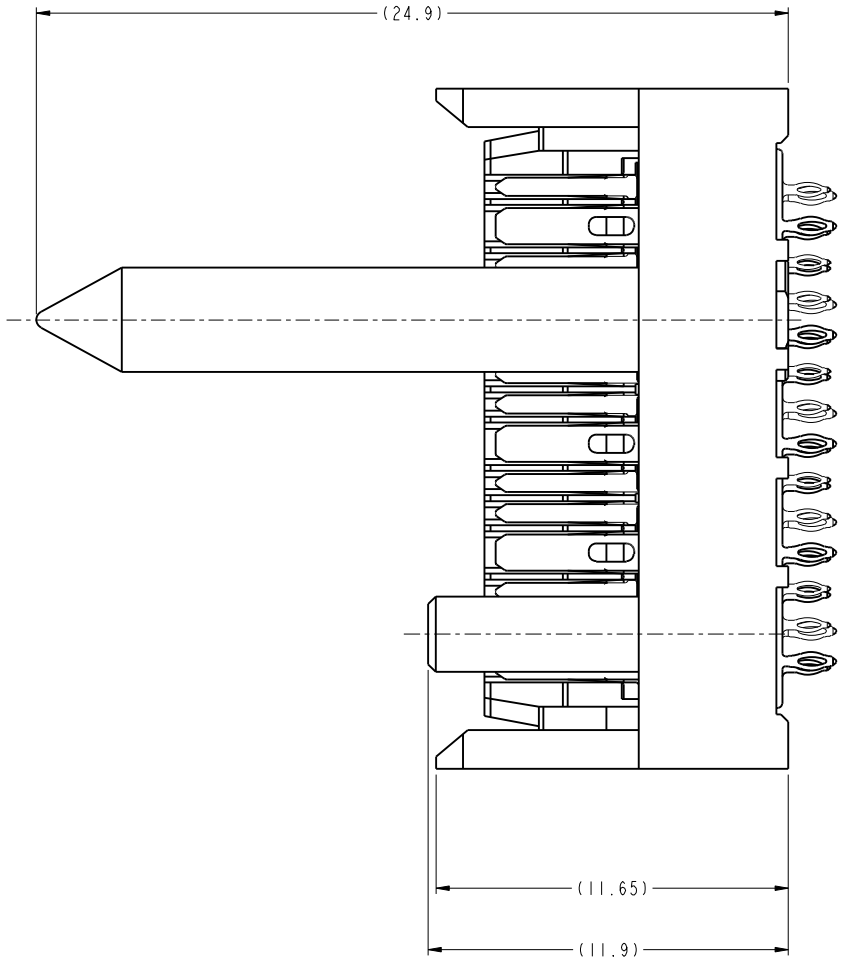
RECOMMEND
10135222-Y1
COM
SEE NOTE

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08			
				appr			product family	ExaMAX	rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY			dwg no 10135222 rev 2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA			
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 7 of 11
	angular	0°	±°						





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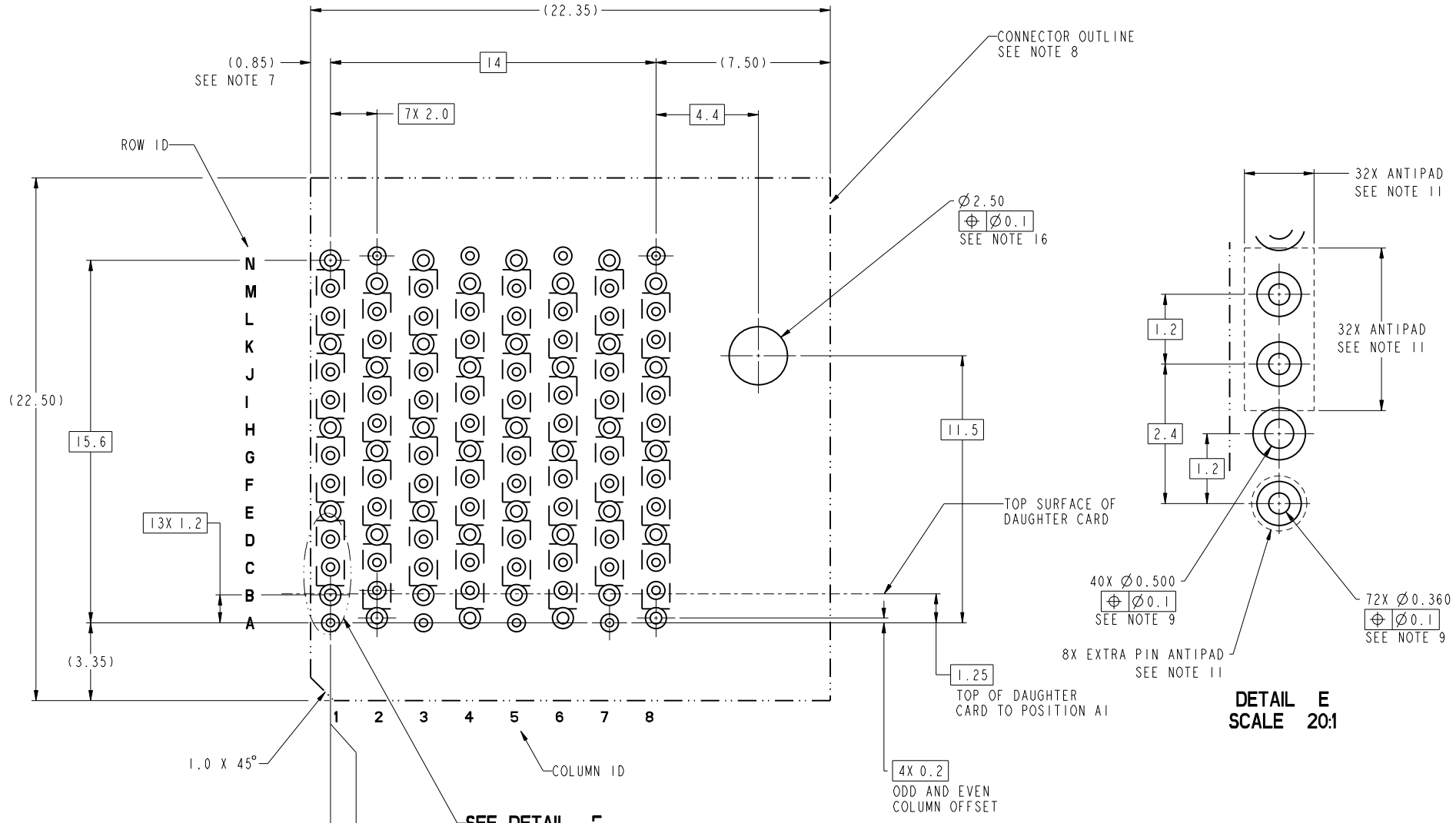
[illegible] Y2JLF

[illegible] (SEE NOTE 17)

SEE SHEET 1

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
ISO 406 ISO 1101				chr	G. HULL	2015-07-08			
				appr			product family	ExaMAX	rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY		dwg no 10135222	rev 2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA			
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 8 of 11
	angular	0°	± °						



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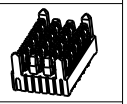
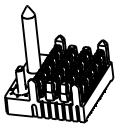
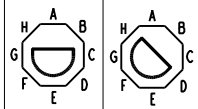
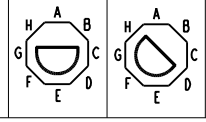
RECOMMENDED)
10135222-Y2YLF w/o END WALLS
COMPONENT SIDE
SEE NOTES 7, 8 , 9, 11, & 16

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
				chr	G. HULL	2015-07-08			
				appr			product family	ExaMAX	rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY		dwg no 10135222	rev 2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA			
		0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw		sheet 9 of 11
	angular	0°	±°						

10135222 - 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
10135222-1YYLF	STANDARD MATE
10135222-2YYLF	ADVANCED MATE
10135222-3YYLF	SHORT DETECT
10135222-4YYLF	ADVANCED MATE & SHORT DETECT

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Peng-Bing Fu	2016/04/06
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-	-

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Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
				chr	G. HULL	2015-07-08			
				appr			product family ExaMAX		rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 112 POS, 8 IMLA		dwg no 10135222		rev 2
		0.XX	±.10						
		0.XXX	±.050						
	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, NATURAL, 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, 10135222-2YYLF, 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.

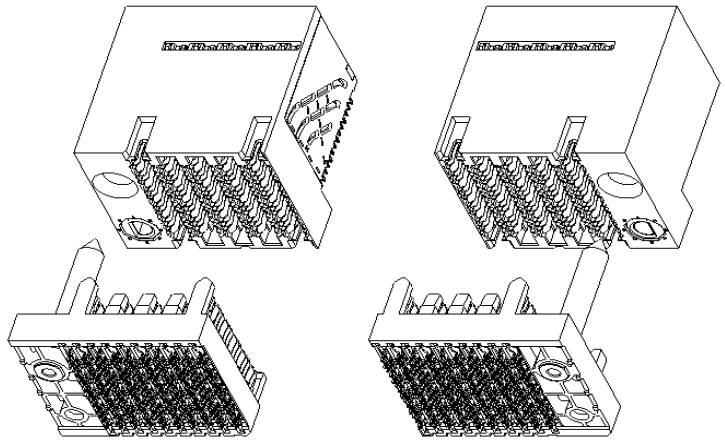
14 THE SHORT DETECT HEADER, 10135222-3YYLF, WHEN MATED WITH A STANDARD MATE RECEPTACTLE WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

15 THE ADVANCED MATE/SHORT DETECT HEADER, 10135222-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACTLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75 MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

16 FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, ONE PHILLIP[illegible] SCREW MUST BE USED TO SECURE GUIDE PIN /CONNECTOR TO THE PCB. THE SC[illegible] 2.0 - 6.0MM PLUS THE THICKNESS OF THE BOARD. SCREW IS NOT PROVIDED W[illegible]

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
4-PAIR 10-IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17

Greg Hull	2015/06/04	-
Peng-Bing Fu	2016/04/06	-

Preliminary

spec ref	SEE NOTES			dr	G. HULL	2015-07-08	projection	MM	size A2
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	G. HULL	2015-07-08			ecn no 2
				chr	G. HULL	2015-07-08			
				appr			product family	ExaMAX	rel level
surface - ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY		dwg no 10135222	rev 2
		0.XX	±.10			4 PR, 85 Ohm, 112 POS, 8 IMLA			
		0.XXX	±.050						
	angular	0°	± °		cat. no.	SEE TABLE	Product - Customer Drw		sheet 11 of 11