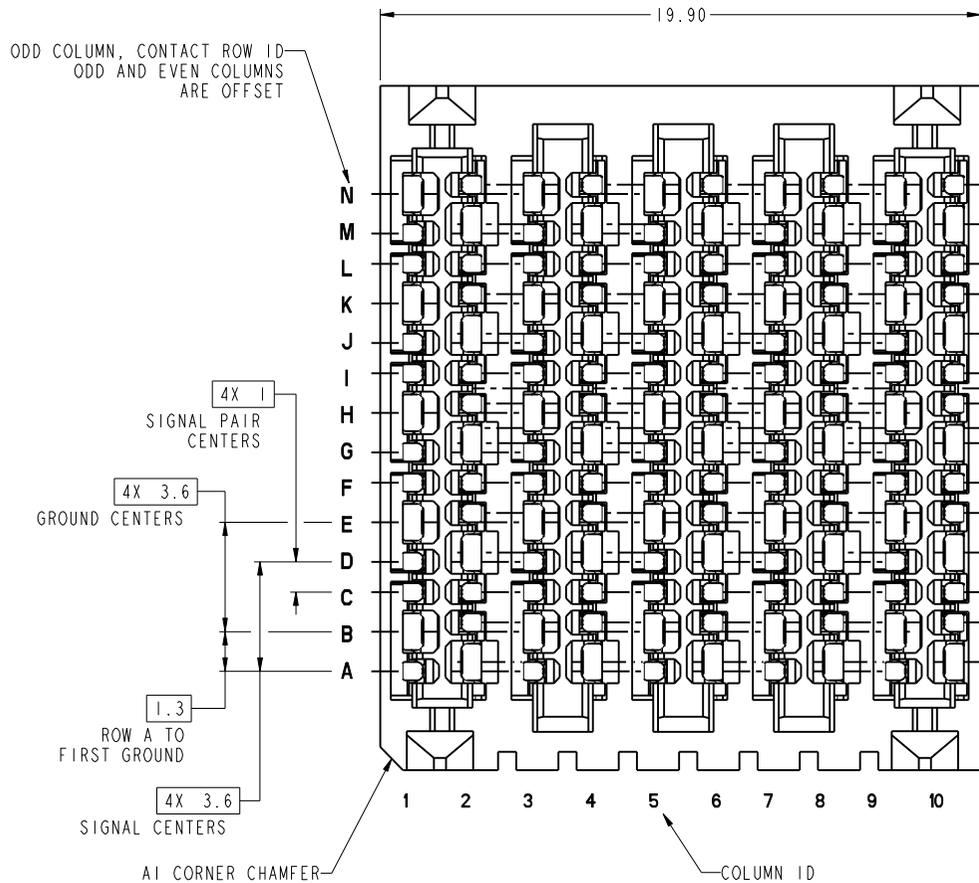
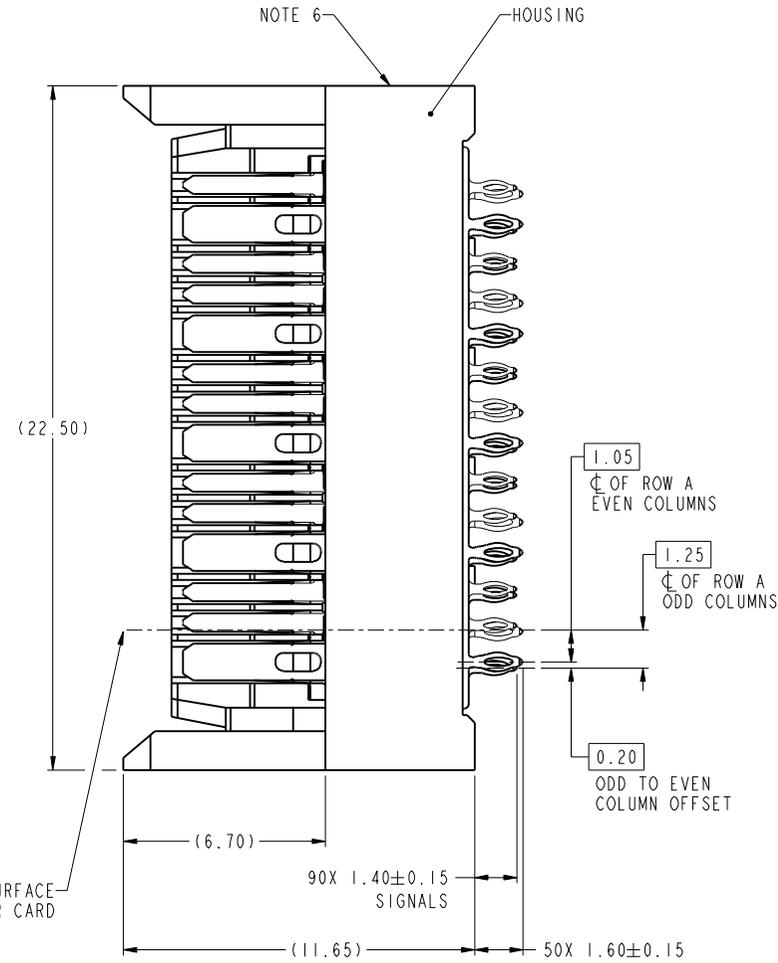


PRODUCT NUMBER
SEE SHEET 16



EVEN COLUMN,
CONTACT ROW ID



TOP SURFACE
OF DAUGHTER CARD

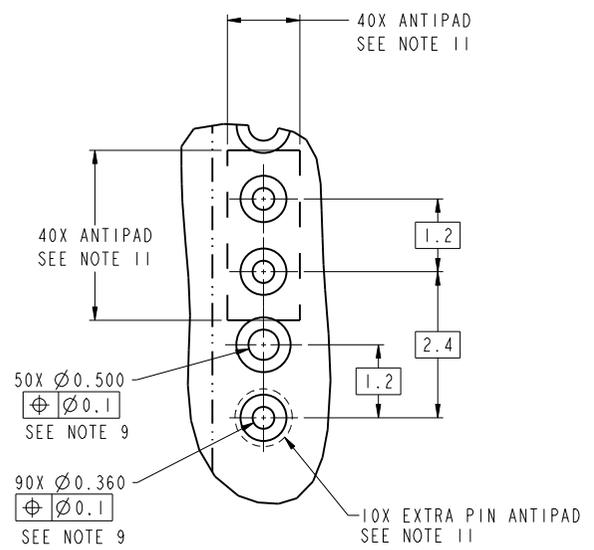
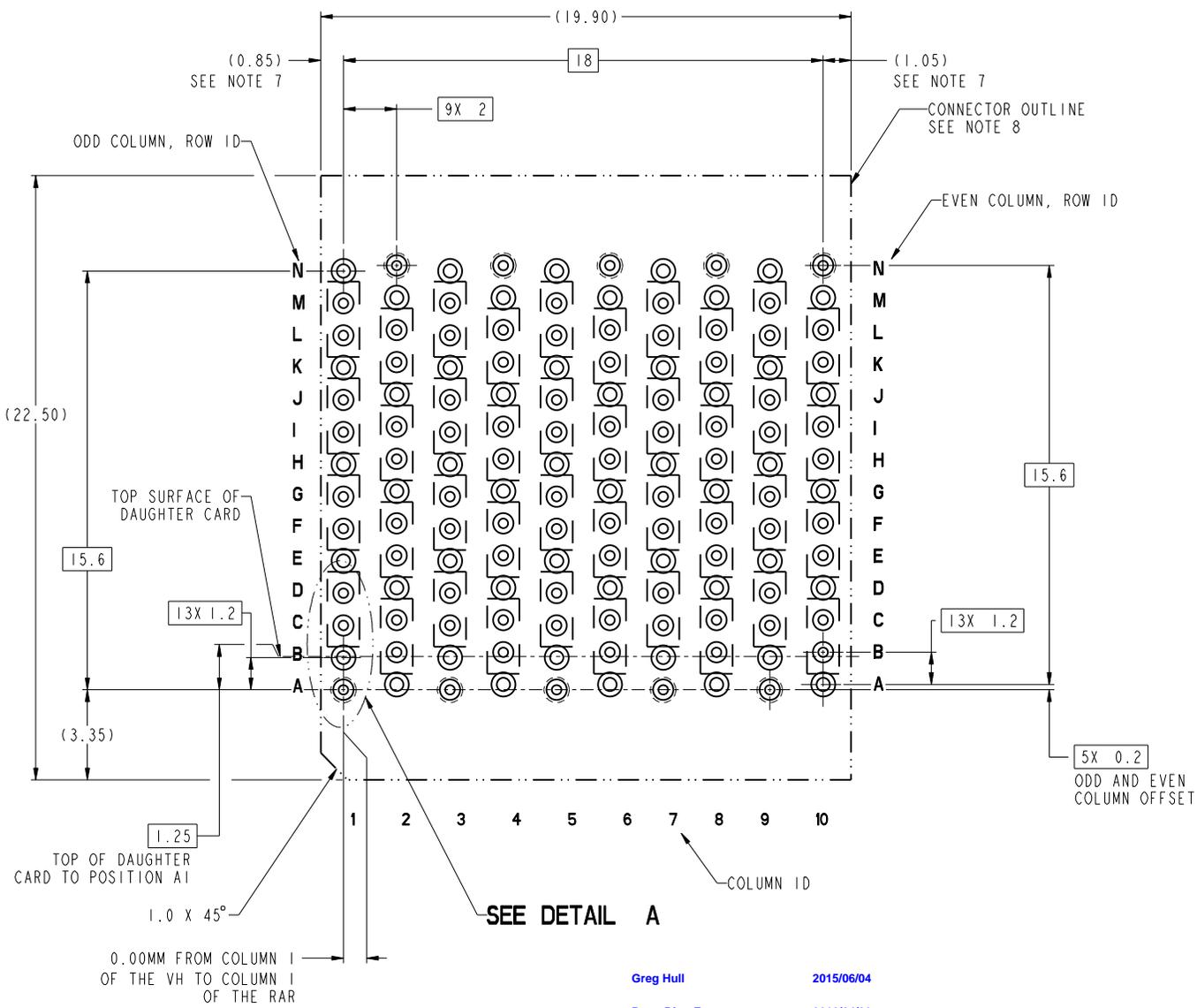
10135223-Y01LF
(10135223-101LF STANDARD MATE CON.)

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

SEE NOTE 6
Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX	sheet	1 of 11
surface	linear	0.X	±.3	Amphenol FCI ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 140 POS, 10 IMLA col. no. SEE TABLE	Product - Customer Draw	10135223	rev 2	
		0.XX	±.10					
		0.XXX	±.050					
ISO 1302	angular	0°	±°					

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



DETAIL A
SCALE 16:1

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

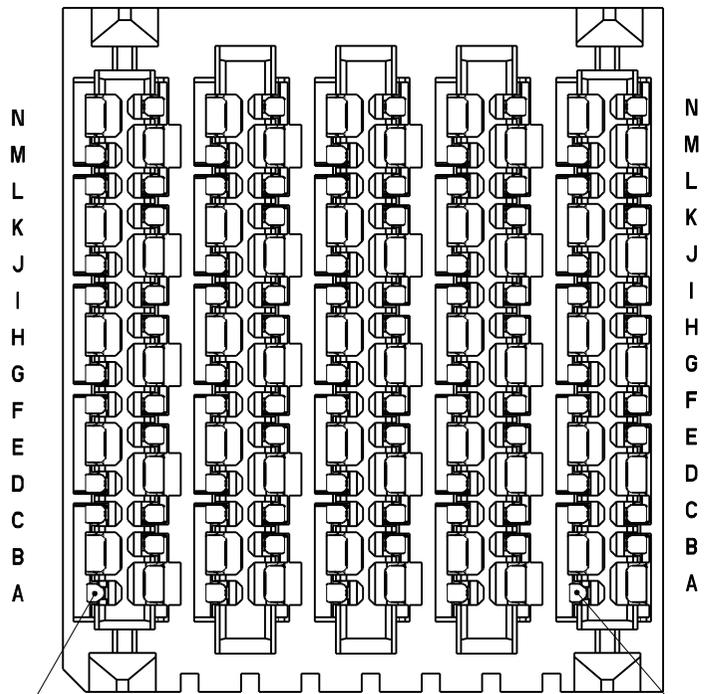
RECOMMENDED PC-10135223-Y01LF COMPONENT SIDE
SEE NOTES 7, 9, 9, & 11

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 140 POS, 10 IMLA SEE TABLE	ang no 10135223	rev 2	sheet 2 of 11
		0.XX	±.10					
		0.XXX	±.050					
ISO 1302	angular	0°	±°	col. no.	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

10135223-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
HEETS 1 & 2

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

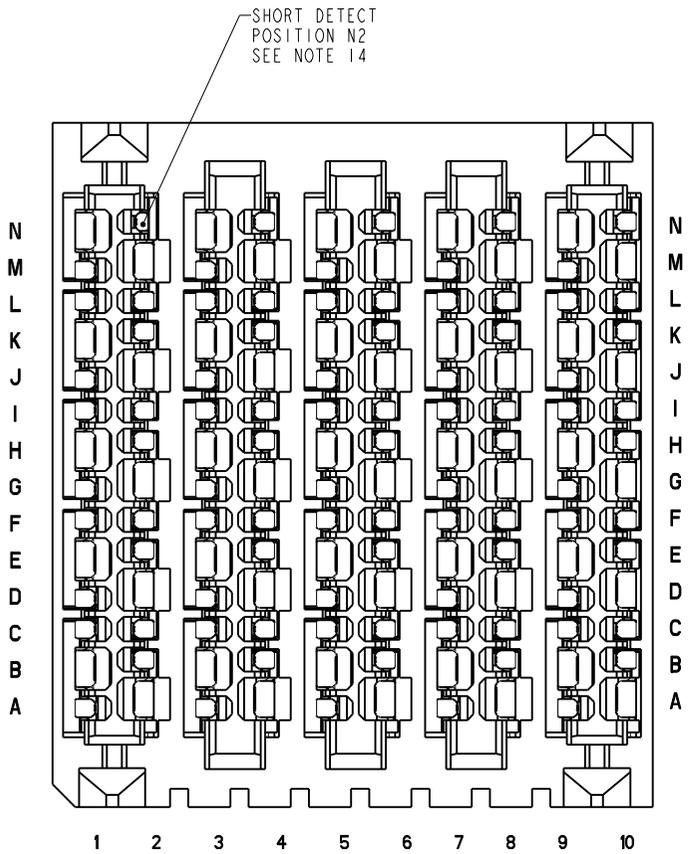
Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY			10135223
		0.XX	±.10		4 PR, 85 Ohm, 140 POS, 10 IMLA	2		
ISO 1302	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 11	

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

Amphenol
FCI

© 2016 Amphenol
FCI

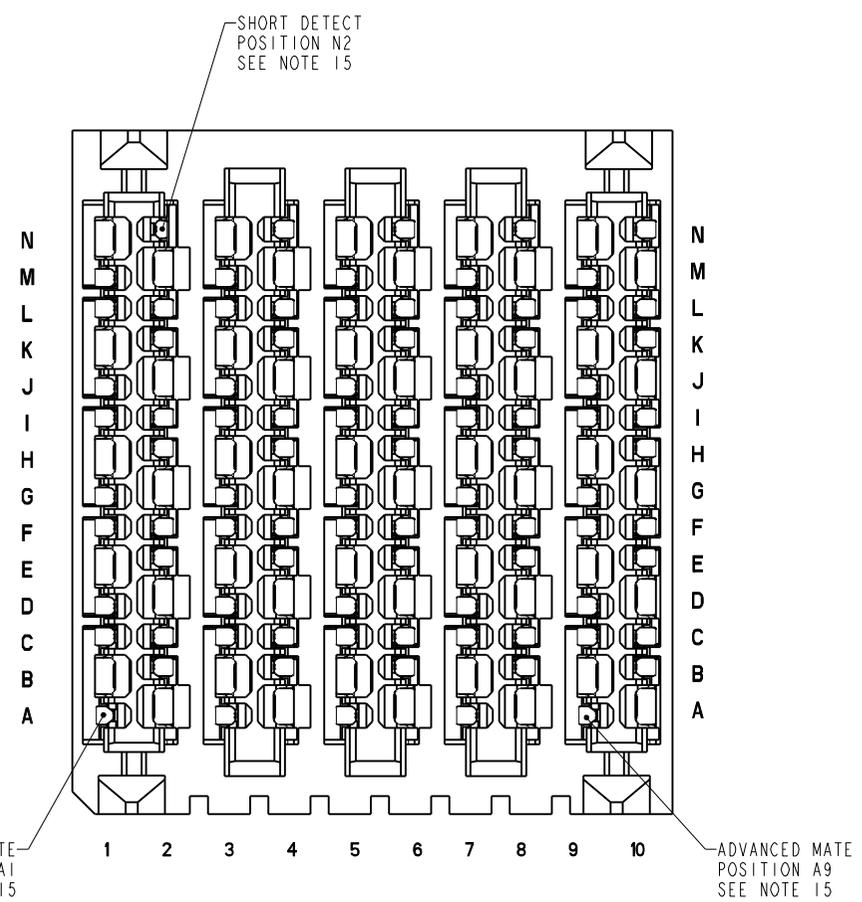


10135223-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS N2 ONLY

F Greg Hull 2015/06/04 SHEETS 1 & 2
Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	linear	0.X	±.3	Amphenol FCI ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 140 POS, 10 IMLA	ang no 10135223	rev 2	
		linear	0.XX	±.10				
		angular	0°	±°				
ISO 1302		cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11			



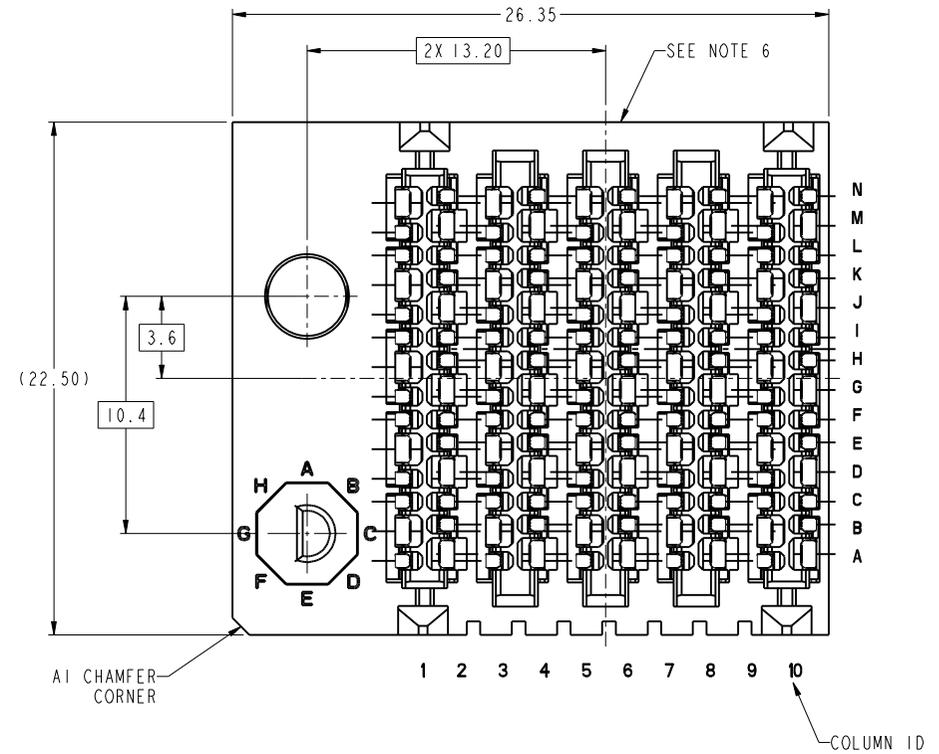
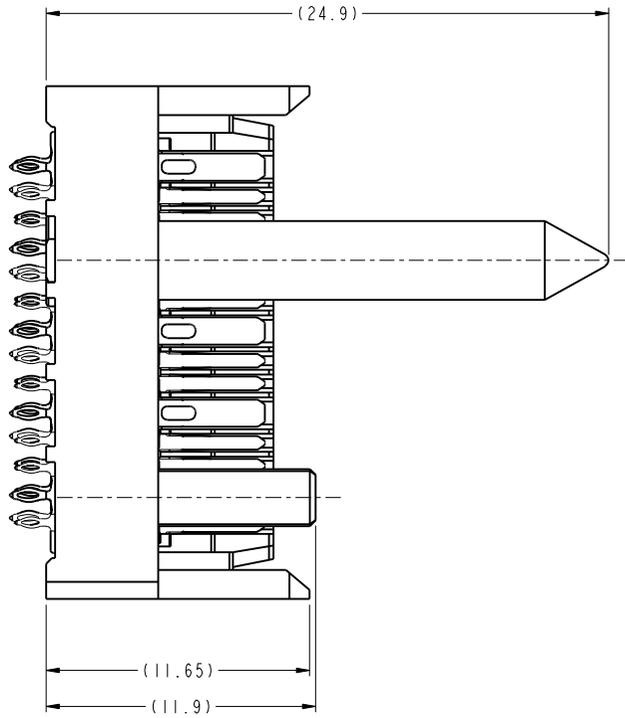
10135223-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
 2 ONLY
 SHEETS 1 & 2

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

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY		ang no 10135223	rev 2
		0.XX	±.10		4 PR, 85 Ohm, 140 POS, 10 IMLA			
ISO 1302	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.



10135223-VIAI E TUDII-VIIE
 RICHTOR CONSOLE CONNECTION (SEE NOTE 17)
 HEET 1

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

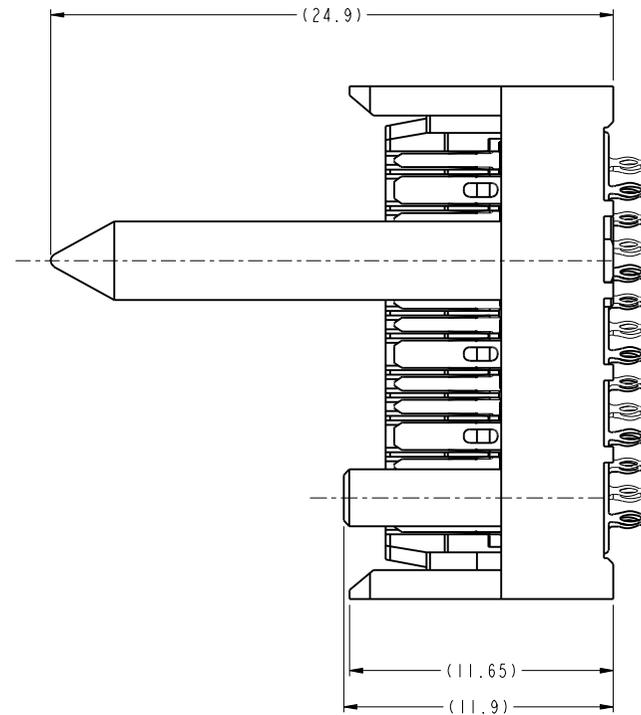
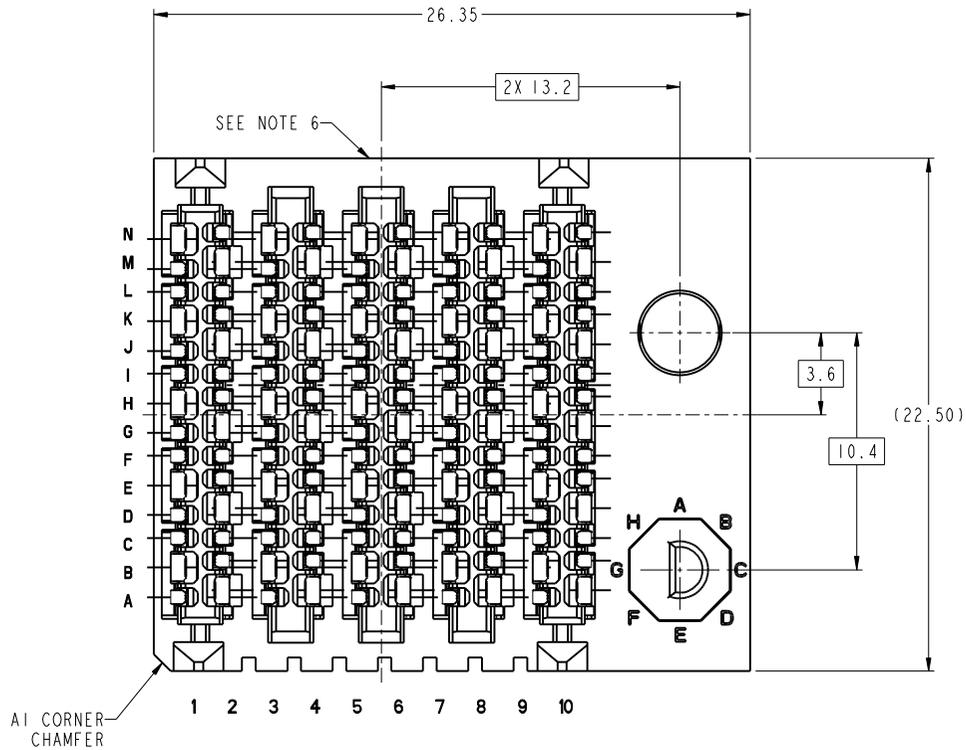
Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2	
ISO 406		chr	G. HULL	2015-07-09			rel level		
ISO 1101		appr			product family	ExaMAX			
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY			ang no	10135223
		0.XX	±.10		4 PR, 85 Ohm, 140 POS, 10 IMLA	rev	2		
		0.XXX	±.050		col. 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 Amphenol FCI



Greg Hull 2015/06/04

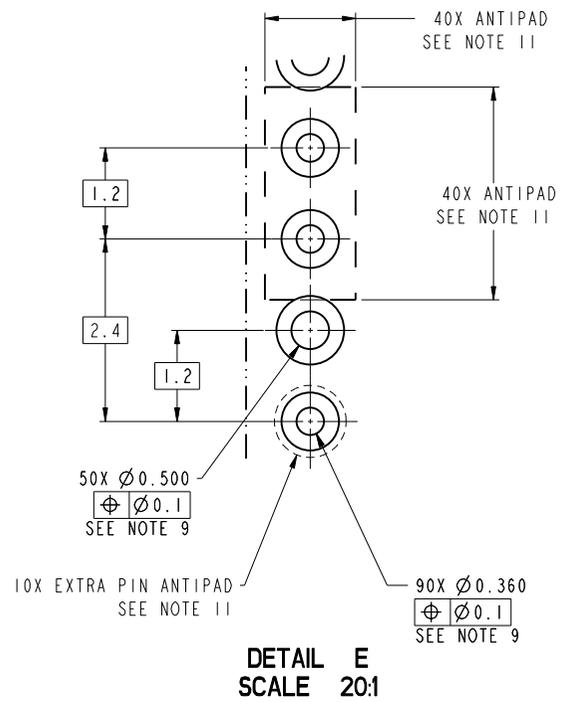
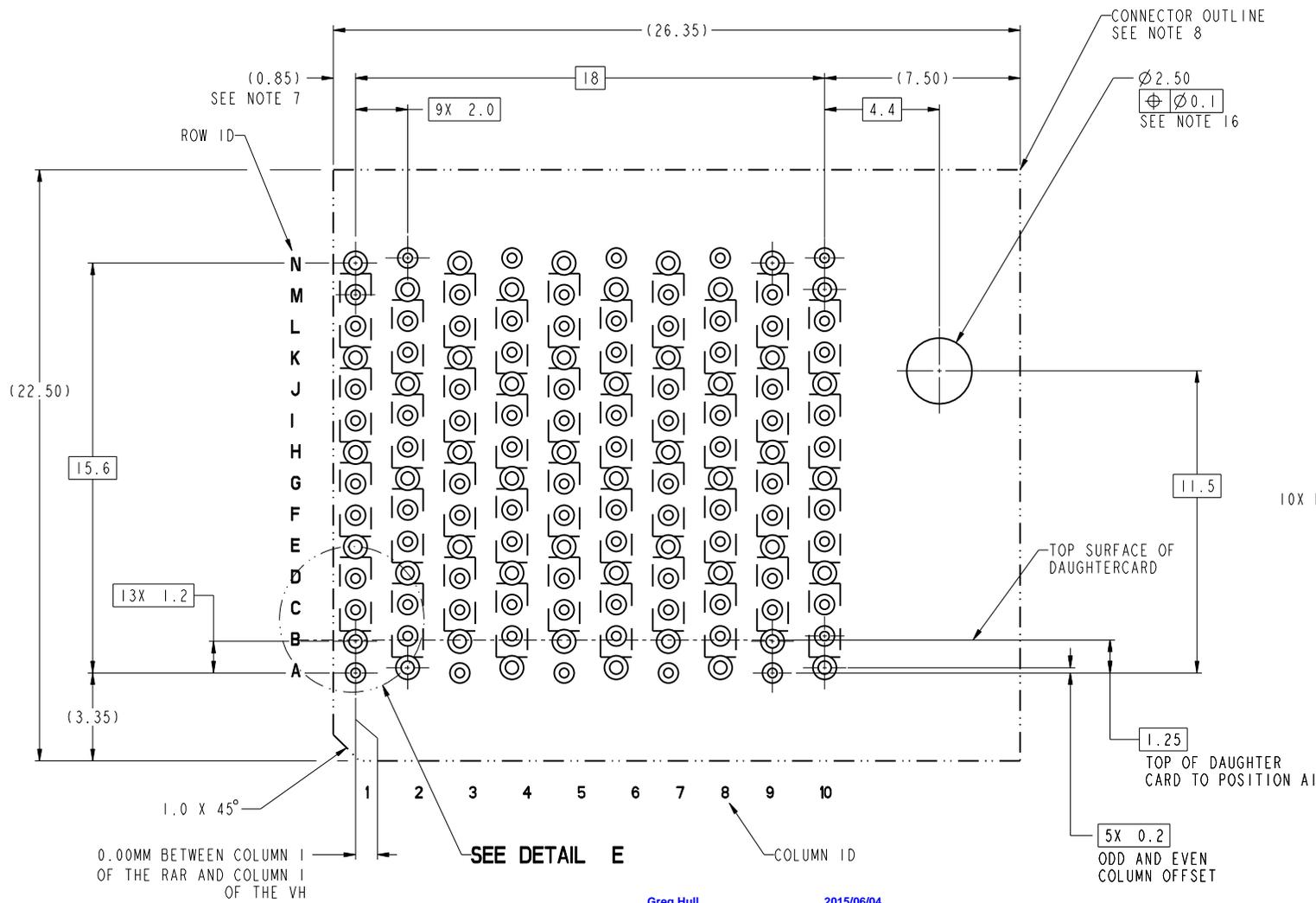
Peng-Bing Fu 2016/04/06

10135223 12JLF
E NOTE 17)
E SHEET 1

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX	rel level	
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY		ang no	10135223
		0.XX	±.10		4 PR, 85 Ohm, 140 POS, 10 IMLA		rev	2
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 8 of 11

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



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

RECOMMENDED
 1013522-11
 COMPONENT SIDE
 SEE NOTES 7, 8, 9, 11 & 16

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	Amphenol FCI	Title		ExaMAX VERTICAL HEADER ASSY		ang no	10135223
	0.x ± .3		4 PR, 85 Ohm, 140 POS, 10 IMLA		col. no.	SEE TABLE	Product - Customer Drw	rev
	0.xx ± .10							2
	0.xxx ± .050							
ISO 1302	angular							
	0° ± 0°							

10135223 - 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
10135223-1YYLF	STANDARD MATE
10135223-2YYLF	ADVANCED MATE
10135223-3YYLF	SHORT DETECT
10135223-4YYLF	ADVANCED MATE & SHORT DETECT

Greg Hull 2015/06/04

Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2	
ISO 406		chr	G. HULL	2015-07-09			rel level		
ISO 1101		appr					product family	ExaMAX	
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY	ang no	10135223	rev	
ISO 1302		0.XX	±.10						4 PR, 85 Ohm, 140 POS, 10 IMLA
	angular	0°	±°						

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

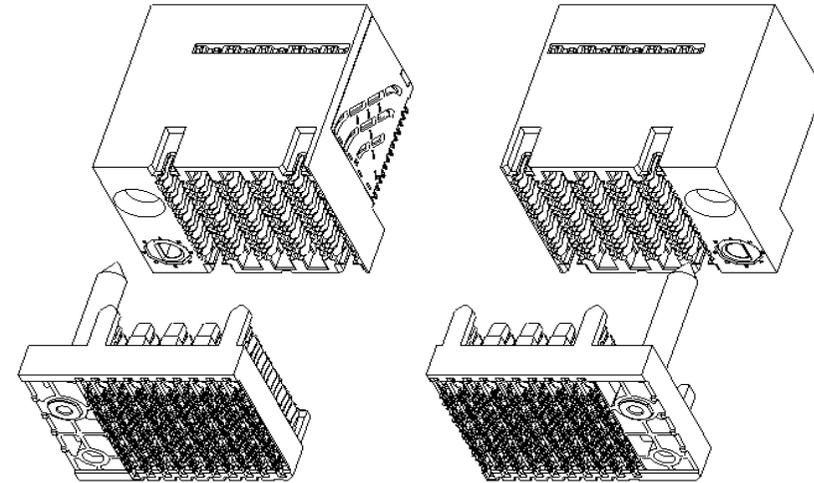
Amphenol FCI

© 2016 APCI

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, 10135223-2YYLF, 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, 10135223-3YYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE 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, 10135223-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE 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 PHILLIPS 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 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

Greg Hull 2015/06/04

Peng-Bing Fu 2016/04/06

Preliminary

spec ref	SEE NOTES	dr	G. HULL	2015-07-09	projection	MM	size	A2
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	G. HULL	2015-07-09			ech no	2
ISO 406		chr	G. HULL	2015-07-09			rel level	
ISO 1101		appr			product family	ExaMAX		
surface	linear	0.X	±.3		ExaMAX VERTICAL HEADER ASSY 4 PR, 85 Ohm, 140 POS, 10 IMLA	ang no 10135223	rev 2	
		0.XX	±.10					
		0.XXX	±.050					
ISO 1302	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11	