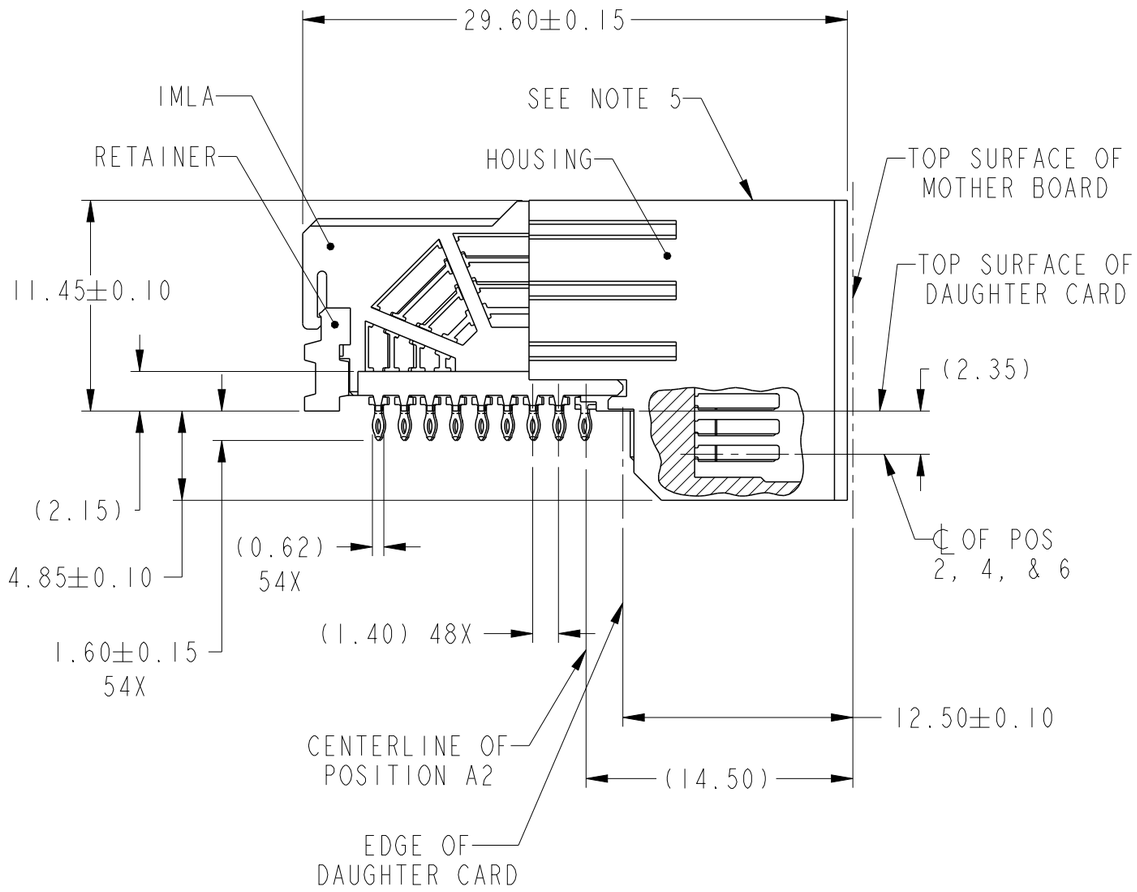
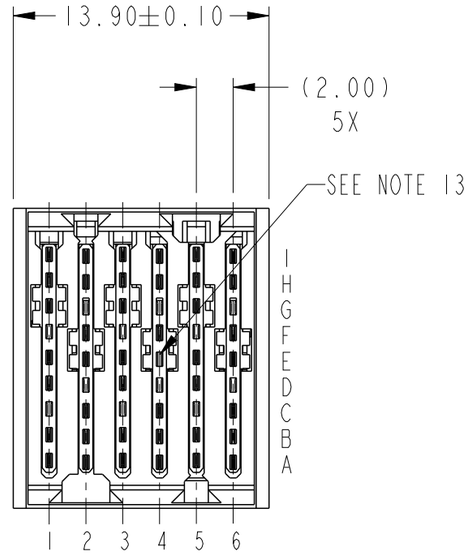
PRODUCT NUMBER
SEE TABLE, SHEET 5





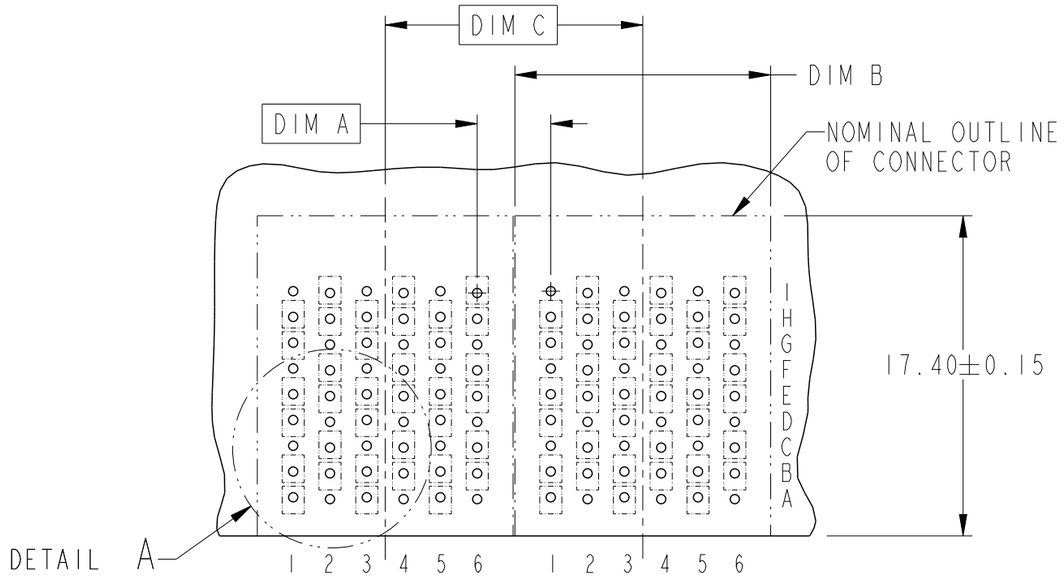
spec ref				dr	Chen-Hong Tan	2006/10/02	projection	MM
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Vito Shen	2025/01/27		
				chr	-	-		
				appr	Heaven Cen	2025/02/10	product family	AirMax VS
surface 3.2	linear	0.X	±0.3	Amphenol FCi	title	AirMax VS R/A HEADER ASSY	dwg no	10039851
		0.XX	±0.10			PRESS_FIT, 54 POS, 14MM		
		0.XXX	±0.050					
ASME Y14.5	angular	0°	±2°		cat. no.	-	Product - Customer Drw	

size	scale	rev
A3	3:1	G
ecn no	ELX-DG-49553-1	
rel level	Released	
sheet 1 of 5		

Creo File:ELX-WC-A3C,REV F,2020-12-21

PDS: Rev :G STATUS:Released Printed: Feb 10, 2025

DESCRIPTION	DIM A	DIM B	DIM C
2-14MM MODULES PLACED END-TO-END	4.00	13.90 2X	14.00
1-12MM MODULE & 1-14MM MODULE PLACED END-TO-END	3.00	11.90 1X & 13.90 1X	13.00



RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6 & 7

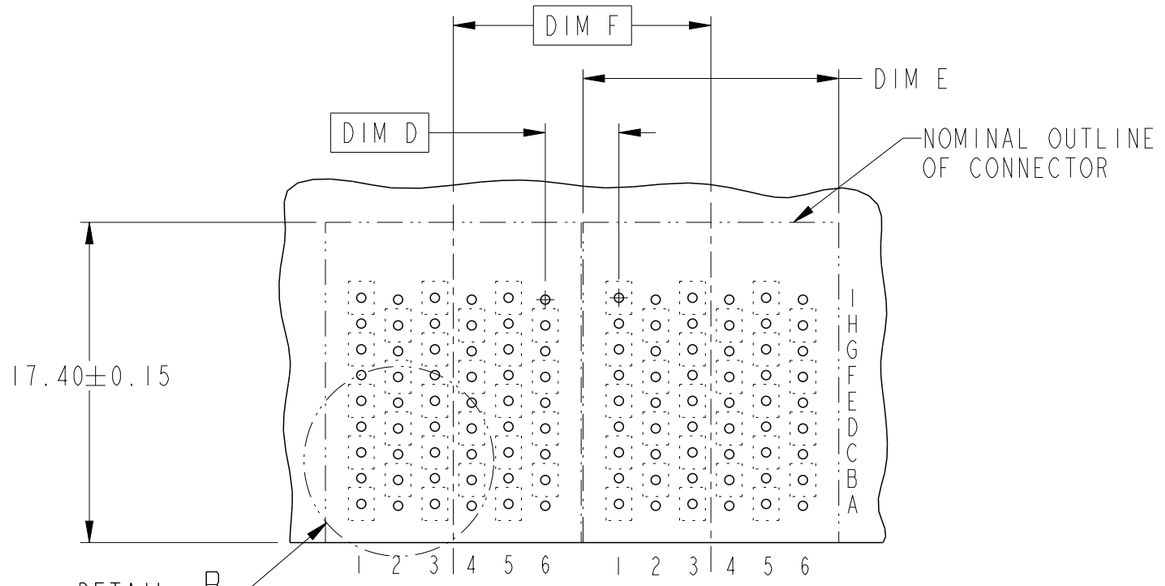
spec ref				dr	Chen-Hong Tan	2006/10/02	projection	MM
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Vito Shen	2025/01/27		
				chr	-	-		
				appr	Heaven Cen	2025/02/10	product family	AirMax VS
surface 3.2	linear	0.X	±0.3	Amphenol FCi	title	AirMax VS R/A HEADER ASSY	dwg no	10039851
		0.XX	±0.10			PRESS_FIT, 54 POS, 14MM		
		0.XXX	±0.050					
ASME Y14.5	angular	0°	±2°		cat. no.	-	Product - Customer Drw	

size	A3	scale	2:1
ecn no	ELX-DG-49553-1		
rel level	Released		
rev	G		
sheet 2 of 5			

Creo File:ELX-WC-A3C,REV F,2020-12-21

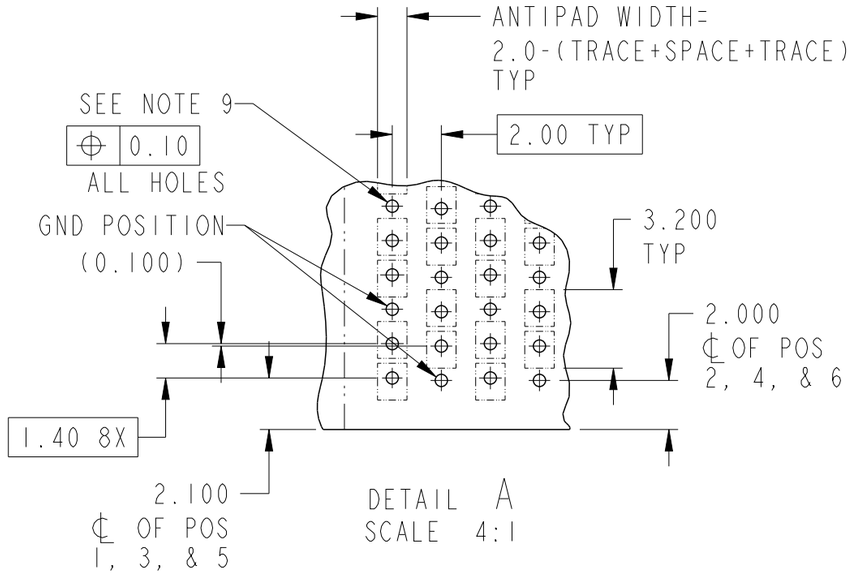
PDS: Rev :G STATUS:Released Printed: Feb 10, 2025

DESCRIPTION	DIM D	DIM E	DIM F
2-14MM MODULES PLACED END-TO-END	4.00	13.90 2X	14.00
1-12MM MODULE & 1-14MM MODULE PLACED END-TO-END	3.00	11.90 1X & 13.90 1X	13.00

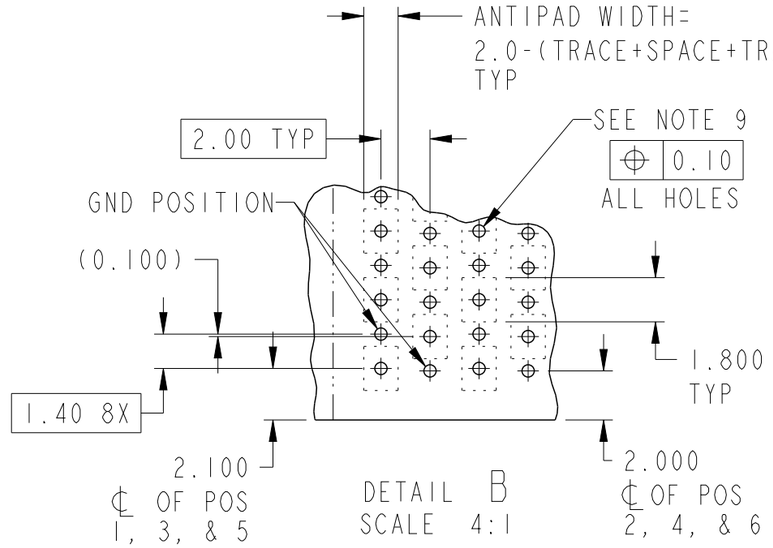


RECOMMENDED PCB LAYOUT
FOR SINGLE ENDED APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6 & 7

spec ref				dr	Chen-Hong Tan	2006/10/02	projection	MM	size A3 / scale 2:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Vito Shen	2025/01/27			ecn no ELX-DG-49553-1
				chr	-	-			rel level Released
surface 3.2	linear	0.X	±0.3	appr	Heaven Cen	2025/02/10	product family	AirMax VS	
		0.XX	±0.10	Amphenol FCi	title	AirMax VS R/A HEADER ASSY		dwg no 10039851	rev G
		0.XXX	±0.050			PRESS_FIT, 54 POS, 14MM			
ASME Y14.5	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 3 of 5



DETAIL A
SCALE 4:1



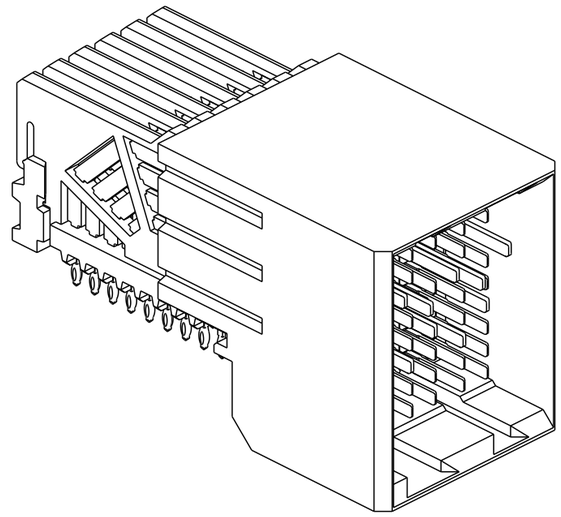
DETAIL B
SCALE 4:1

spec ref				dr	Chen-Hong Tan	2006/10/02	projection	MM	size A3 / scale 2:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Vito Shen	2025/01/27			
				chr	-	-			ecn no ELX-DG-49553-1
				appr	Heaven Cen	2025/02/10	product family AirMax VS		rel level **Released**
surface 3.2	linear	0.X	±0.3	Amphenol FCi	title AirMax VS R/A HEADER ASSY PRESS_FIT, 54 POS, 14MM			dwg no 10039851	rev **G**
		0.XX	±0.10						
		0.XXX	±0.050						
ASME Y14.5	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 4 of 5

Creo File:ELX-MC-A3C,REV F,2020-12-21

PDS: Rev :G STATUS:Released Printed: Feb 10, 2025

PART NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT
10039851-101	TIN/LEAD ALLOY OVER NICKEL	NO
10039851-101LF	TIN OVER NICKEL (LEAD FREE)	
10039851-111	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)
10039851-111LF	TIN OVER NICKEL (LEAD FREE)	



NOTES:

1. CONNECTOR MATERIALS:
   HOUSING & RETAINER: HIGH TEMP THERMOPLASTIC, NATURAL, UL94V-0
   IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94V-0
   CONTACT: COPPER ALLOY

2. CONTACT PLATING:
   SEPARABLE INTERFACE:
   PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-239 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE

   PRESS-FIT TAILS: SEE TABLE

3. PRODUCT SPECIFICATION: GS-12-239

4. APPLICATION SPECIFICATION: GS-20-035

5. PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE

6. REFER TO CUSTOMER DRAWING 10035911 FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO SIGNAL MODULES

7. POSITIONS F OF ODD NUMBERED COLUMNS AND POSITIONS G OF EVEN NUMBERED COLUMNS CORRESPOND TO EARLY MATE HEADER PINS

8. THERE IS NO GROUND BUSSING WITHIN THE CONNECTOR SYSTEM

9. REFER TO CUSTOMER DRAWING 10045979 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS.

10. LEAD FREE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

11. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

12. PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.

13. MATING PIN E4 HAS 0.5mm LESS NOMINAL WIPE THAN THE SHORTEST SIGNAL PIN.

spec ref			dr	Chen-Hong Tan	2006/10/02	projection	MM	size A3	scale 3:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Vito Shen	2025/01/27			ecn no	ELX-DG-49553-1
			chr	-	-			rel level	Released
			appr	Heaven Cen	2025/02/10	product family	AirMax VS		
surface 32	linear	0.X ±0.3	Amphenol FCi	title	AirMax VS R/A HEADER ASSY PRESS_FIT, 54 POS, 14MM		dwg no 10039851		rev G
		0.XX ±0.10							
		0.XXX ±0.050							
ASME Y14.5	angular	0° ±2°		cat. no. -		Product - Customer Drw		sheet 5 of 5	

Creo File:ELX-WC-A3C,REV F,2020-12-21