

7 Signal+4 Power

P/N	Signal NO.	Power NO.	DIM"A"	DIM"B"	DIM"C"	DIM"D"
-X05X02XLF	05	02	15.55	12.25	4.00	8.70
-X05X04XLF	05	04	21.55	18.25	4.00	14.70
-X05X06XLF	05	06	27.55	24.25	4.00	20.70
-X05X08XLF	05	08	33.55	30.25	4.00	26.70
-X07X02XLF	07	02	17.55	14.25	6.00	10.70
-X07X04XLF	07	04	23.55	20.25	6.00	16.70
-X07X06XLF	07	06	29.55	26.25	6.00	22.70
-X07X08XLF	07	08	35.55	31.25	6.00	28.70
-X09X02XLF	09	02	19.55	16.25	8.00	12.70
-X09X04XLF	09	04	25.55	21.25	8.00	18.70
-X09X06XLF	09	06	31.55	27.25	8.00	24.70
-X09X08XLF	09	08	37.55	33.25	8.00	30.70
-X11X02XLF	11	02	21.55	18.25	10.00	14.70
-X11X04XLF	11	04	27.55	24.25	10.00	20.70
-X11X06XLF	11	06	33.55	30.25	10.00	26.70
-X11X08XLF	11	08	39.55	36.25	10.00	32.70
-X13X02XLF	13	02	23.55	20.25	12.00	16.70
-X13X04XLF	13	04	29.55	26.25	12.00	22.70
-X13X06XLF	13	06	35.55	32.25	12.00	28.70
-X13X08XLF	13	08	41.55	38.25	12.00	34.70
-X15X02XLF	15	02	25.55	22.25	14.00	18.70
-X15X04XLF	15	04	31.55	28.25	14.00	24.70
-X15X06XLF	15	06	37.55	34.25	14.00	30.70
-X15X08XLF	15	08	43.55	40.25	14.00	36.70
-X17X02XLF	17	02	27.55	24.25	16.00	20.70
-X17X04XLF	17	04	33.55	30.25	16.00	26.70
-X17X06XLF	17	06	39.55	36.25	16.00	32.70
-X17X08XLF	17	08	45.55	42.25	16.00	38.70
-X19X02XLF	19	02	29.55	26.25	18.00	22.70
-X19X04XLF	19	04	35.55	32.25	18.00	28.70
-X19X06XLF	19	06	41.55	38.25	18.00	34.70
-X19X08XLF	19	08	47.55	44.25	18.00	40.70

4	Hold Down	Copper Alloy, 100u" Min Matte Tin Over 50u" Min Ni	2	
3	Signal_T	Copper Alloy, Au plating on contact area, 50u" Min Ni under Plated over all.	Refer to Code	
2	Power_T	Copper Alloy, Au plating on contact area, 50u" Min Ni under Plated over all.	Refer to Code	
1	Housing	PA9T, UL94V-0	1	
NO	Component	Material	Q'ty	Mark

spec ref	-	dr	Arthur Zhao	2021/09/23	projection	mm	size	A3	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Jeffrey Huang	2024/08/20			ecn no	ELX-N-52592-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level	Released			
surface	linear	appr	Tim Yao	2024/08/22	product family	-	dwg no	10162688		rev	C
ISO 1302	angular	Amphenol FCI		HEADER_R/A_ ASSEMBLY		COMBOLOCK CONNECTOR		Product - Customer Drw			sheet 1 of 4
	0.X ±0.3	cat. no.		-	Product - Customer Drw		STATUS: Released		Printed: Aug 22, 2024		
	0.XX ±0.2	3		PDS: Rev :C	4		STATUS: Released		Printed: Aug 22, 2024		
	0.XXX ±0.1	3		PDS: Rev :C	4		STATUS: Released		Printed: Aug 22, 2024		
	0° ±2°	3		PDS: Rev :C	4		STATUS: Released		Printed: Aug 22, 2024		

- NOTE:
- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING: 10A PER POWER PIN, 1.5A Max. PER SIGNAL PIN. (PLEASE REF TO PRODUCT SPEC.)
 - CONTACT RESISTANCE: 20mΩ MAX.
 - INSULATOR RESISTANCE: 100MΩ MIN.
 - DIELECTRIC WITHSTANDING VOLTAGE: 500V AC;
 - OPERATION TEMPERATURE: -40 °C ~ +105 °C;
 - MECHANICAL CHARACTERISTICS:
 - DURABILITY : 30 CYCLES.
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW.
 - LEAD FREE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008.
 - PRODUCT SPECITICATION: GS-12-1702;
 - PACKAGE SPECITICATION: GS-14-2794;
 - APPLICATION SPEC.: GS-20-0703;
 - MATES WITH:
 - CABLE HOUSING: 10162695-1XXXX0LF;
 - CRIMPING SIGNAL TERMINAL: 10162696-X0XLF;
 - CRIMPING POWER TERMINAL: 10162697-X0XLF;
 - PRODUCT DESCRIPTION CODE :

10162688-X XX X XX X LF

Plating of Signal: _____

2: Contact Area: _____
 5U" Au Min.
 Solder Area: _____
 100U" Min. Matte Tin.

3: Contact Area: _____
 15U" Au Min.
 Solder Area: _____
 100U" Min. Matte Tin.

4: Contact Area: _____
 30U" Au Min.
 Solder Area: _____
 100U" Min. Matte Tin.

Signal Pin NO.: _____
 XX: 05~19 Pin (Uneven)

Packing & Color: _____

T: Tray, Black
 C: Tape & Reel, Black
 K: Tape & Reel, Natural
 D: Customized Code

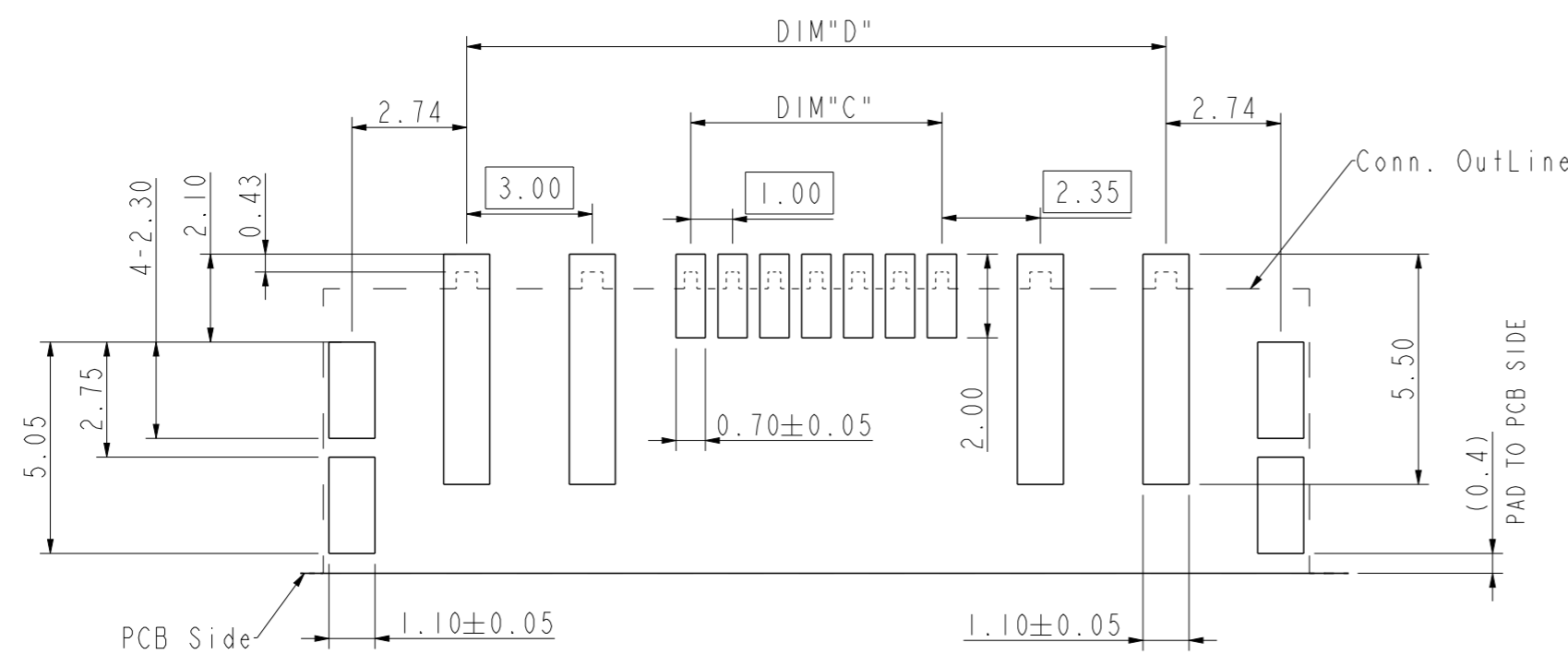
Power Pin NO.: _____
 XX: 02~08 Pin (Even)

Plating of Power: _____

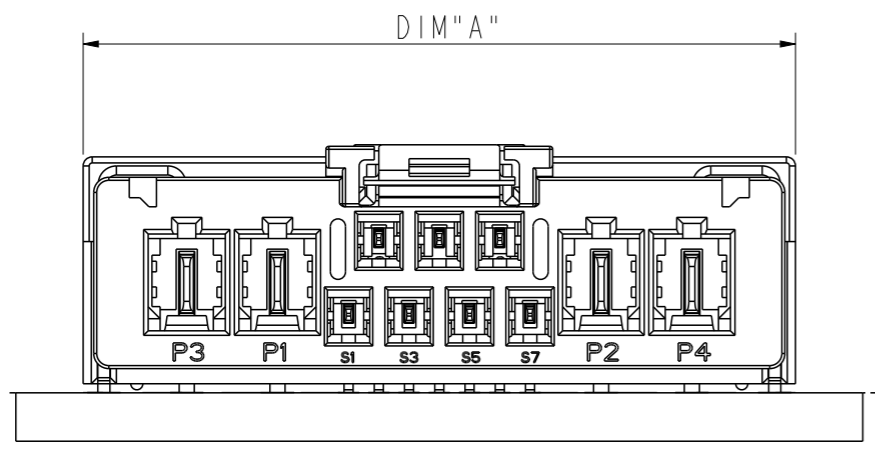
2: Contact Area: _____
 5U" Au Min.
 Solder Area: _____
 100U" Min. Matte Tin.

3: Contact Area: _____
 15U" Au Min.
 Solder Area: _____
 100U" Min. Matte Tin.

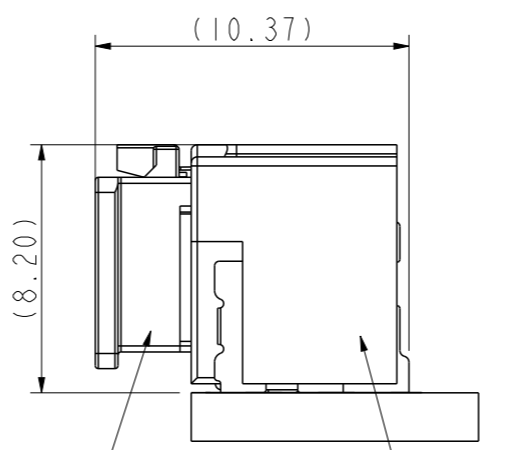
4: Contact Area: _____
 30U" Au Min.
 Solder Area: _____
 100U" Min. Matte Tin.



RECOMMENDED PCB LAYOUT
 GENERAL TOLERANCE +/-0.10



MATING VIEW



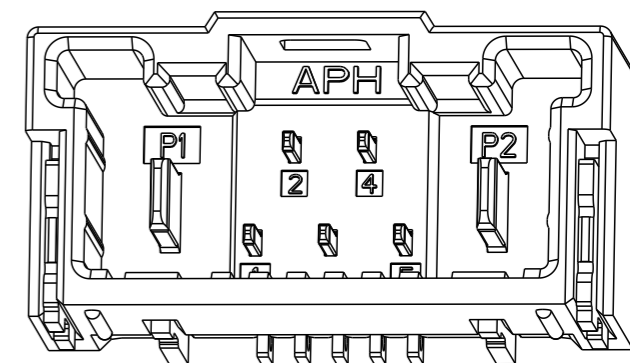
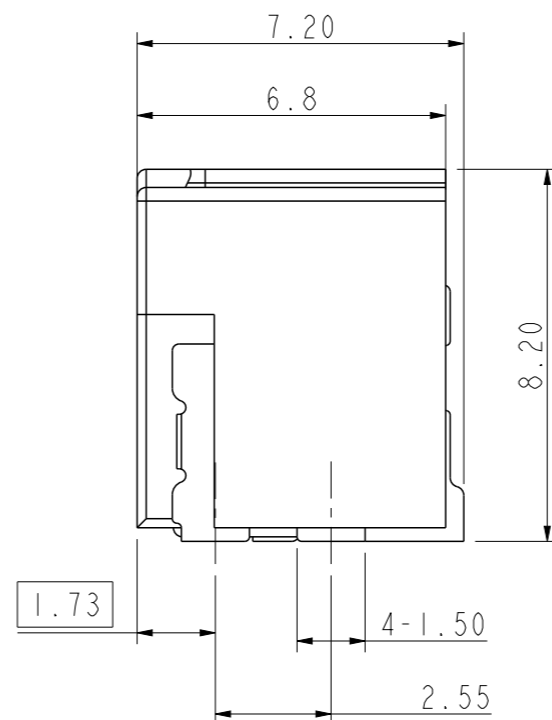
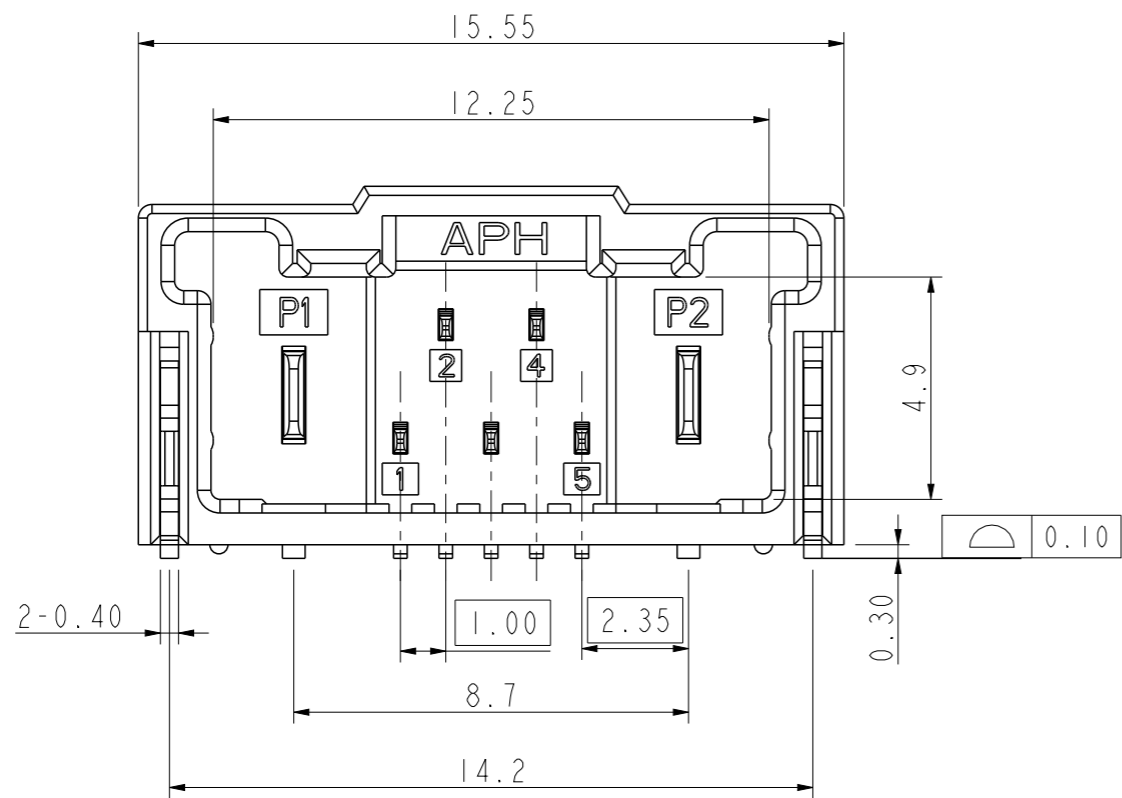
CABLE ASSEMBLY

HEADER

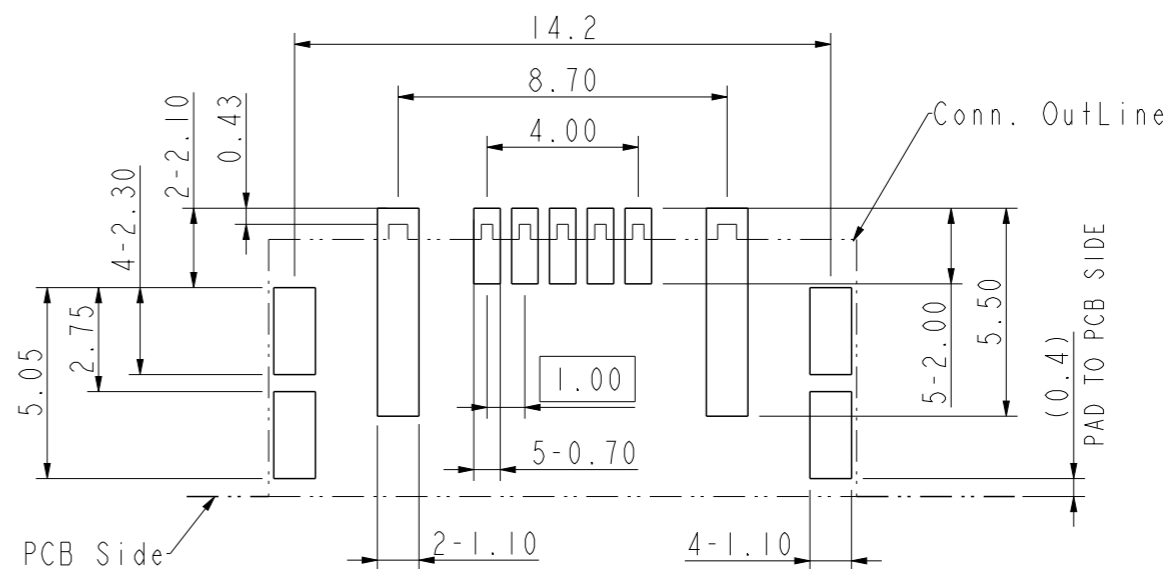
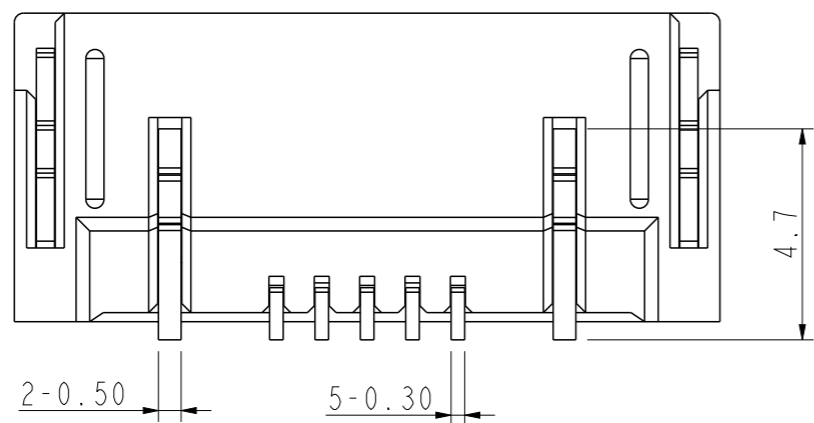
spec ref	-	dr	Arthur Zhao	2021/09/23	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Jeffrey Huang	2024/08/20			ecn no	ELX-N-52592-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr				Tim Yao	2024/08/22	rel level
surface	linear	0.X	±0.3	Amphenol FCI		title HEADER_R/A_ ASSEMBLY COMBOLOCK CONNECTOR		dwg no 10162688	rev C	
		0.XX	±0.2							
		0.XXX	±0.1							
	angular	0°	±2°	cat. no.	-	Product - Customer Drw		sheet 2 of 4		

Creo File: ELX-WC-A3C_REV F_2020-12-21

PART NUMBER
10162688-205202XLF

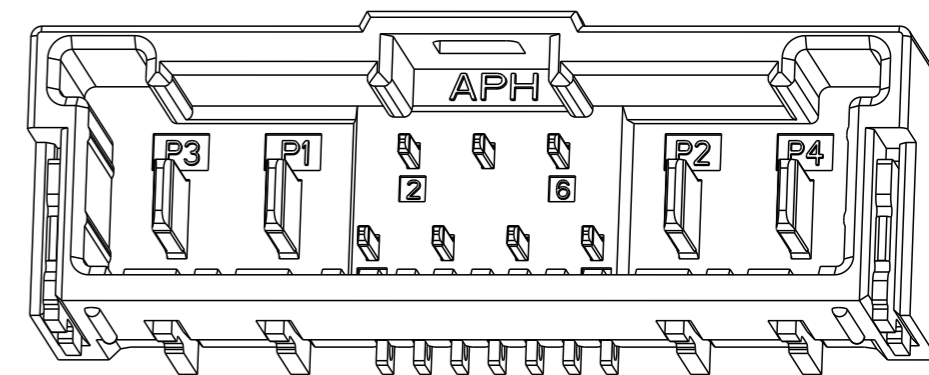
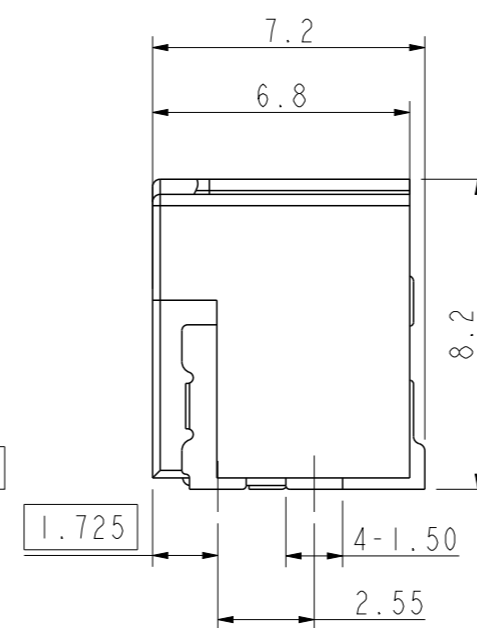
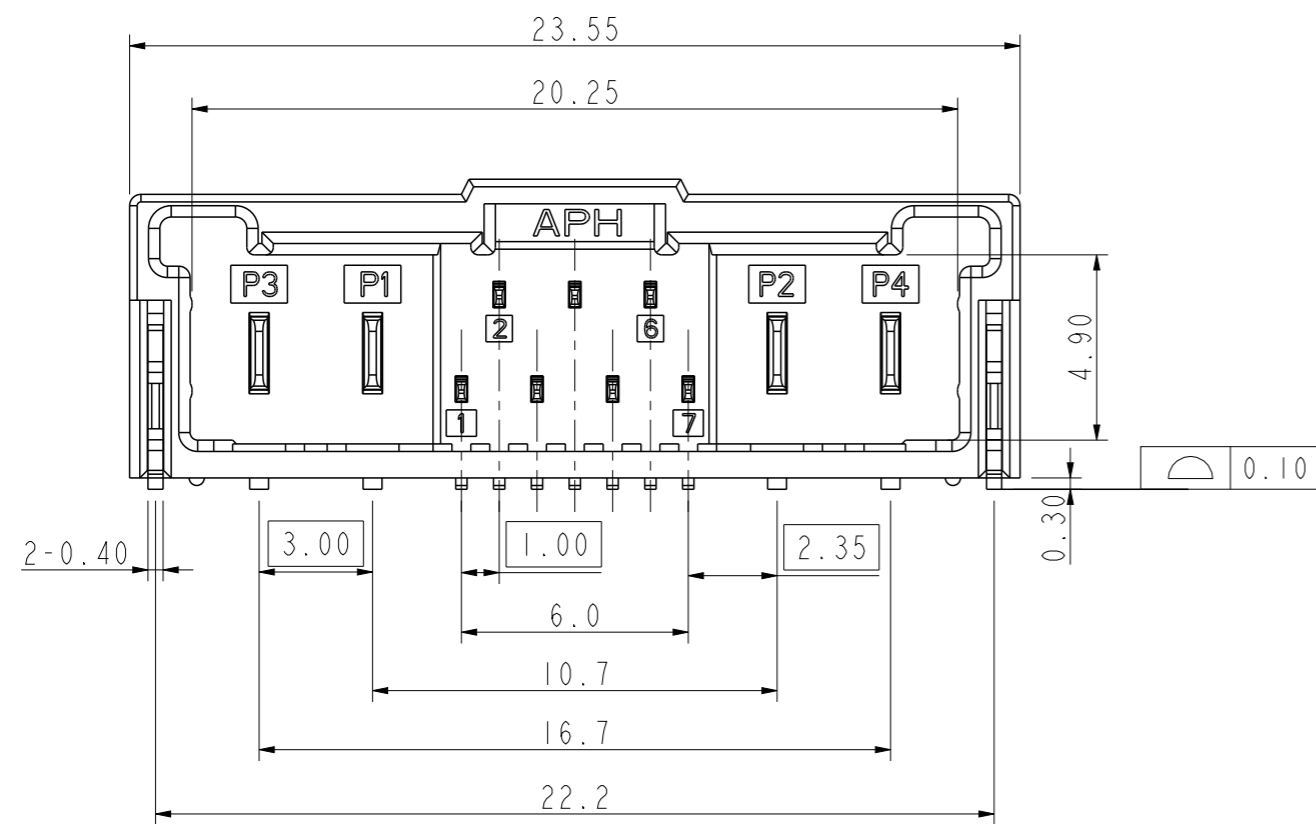


5 Signal+2 Power

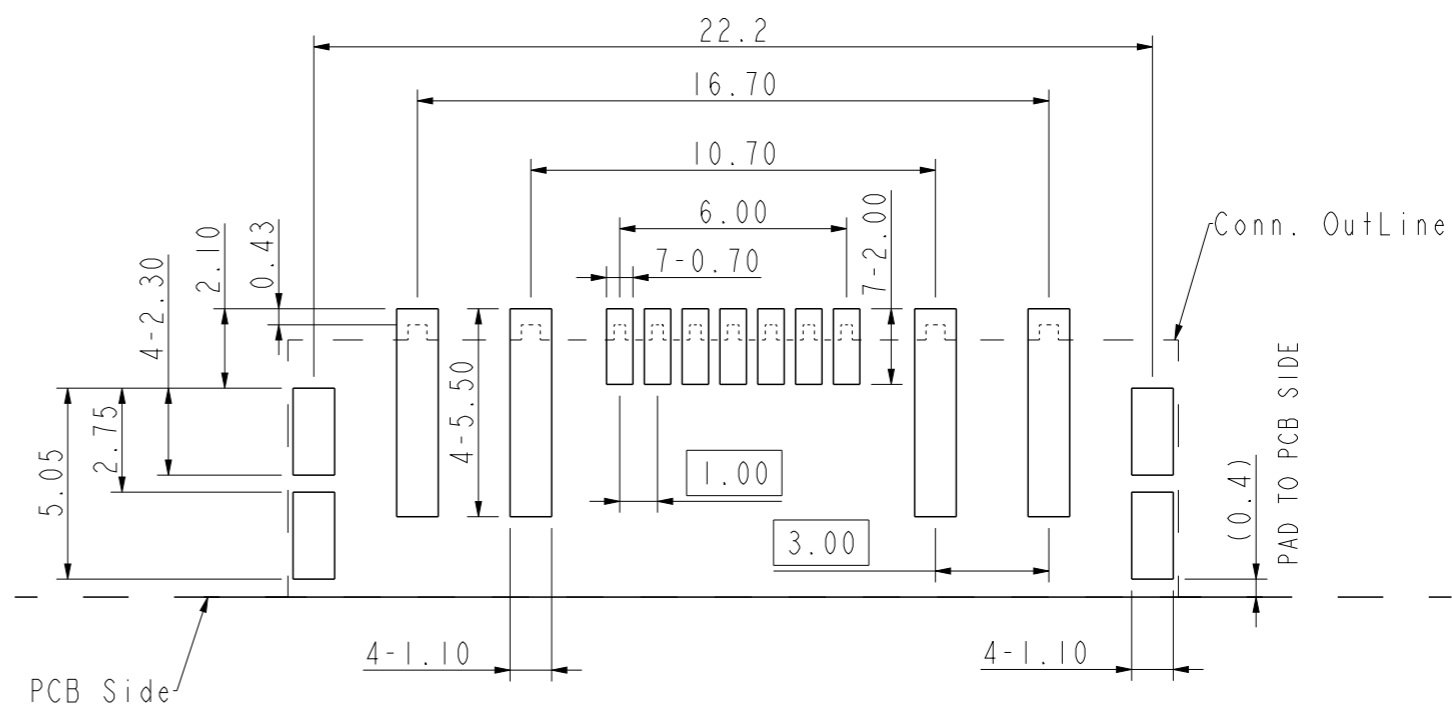
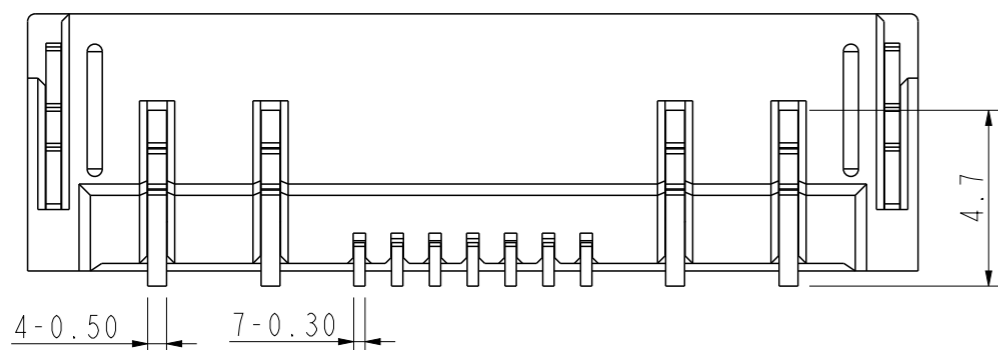


spec ref	-	dr	Arthur Zhao	2021/09/23	projection	mm	size	A3	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Jeffrey Huang	2024/08/20			ecn no	ELX-N-52592-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level	Released			
surface	linear	appr	Tim Yao	2024/08/22	product family	-	dwg no	10162688		rev	C
ISO 1302	angular	Amphenol FCI		title HEADER_R/A_ ASSEMBLY COMBOLOCK CONNECTOR		cat. no.	-	Product - Customer Drw	sheet 3 of 4		
	0.X ±0.3 0.XX ±0.2 0.XXX ±0.1 0° ±2°										

PART NUMBER
10162688-207204XLF



7 Signal+4 Power



RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE +/-0.10

spec ref	-	dr	Arthur Zhao	2021/09/23	projection	mm	size	A3	scale	1:1			
tolerance std	ISO 406 ISO 1101	eng	Jeffrey Huang	2024/08/20			ecn no	ELX-N-52592-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Tim Yao	2024/08/22	product family	-	rel level	Released	
surface	linear	0.X	±0.3		title		HEADER_R/A_ ASSEMBLY COMBOLOCK CONNECTOR	dwg no 10162688	rev		C		
		0.XX	±0.2		cat. no.				-	Product - Customer Drw		sheet 4 of 4	
	angular	0°	±2°		PDS: Rev :C				STATUS:Released		Printed: Aug 22, 2024		