

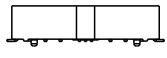
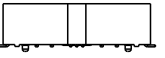
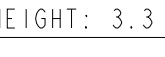
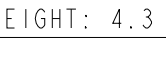
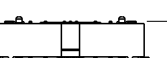
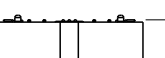
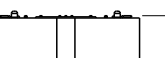
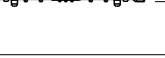
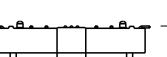
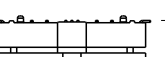
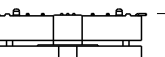
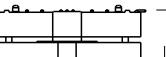
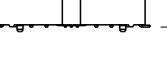
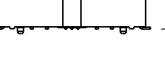
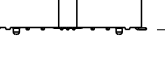
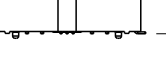
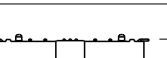
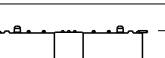
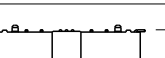
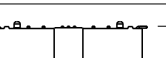
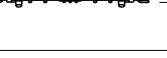
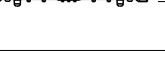
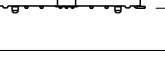
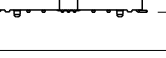
PART NUMBER SCHEME:

10159559-X XX X X X X X F

LEAD FREE

X	POWER POSITION
2	1+1
4	2+2
6	3+3
8	4+4
A	5+5

XX	SIGNAL POSITION
06	2X3
08	2X4
10	2X5
20	2X10
30	2X15
40	2x20
**	***
A4	2X70

X	FOR HEADER, SEE DWG. NO. 10159558			
COMBINATION OF MATED HEIGHT	HEADER 1	HEADER 2	HEADER 3	HEADER 4
HEIGHT: 1.3				
HEIGHT: 2.3				
HEIGHT: 3.3				
HEIGHT: 4.3				
RECEPTACLE 1				
HEIGHT: 3.7				
HEIGHT: 7.7				
HEIGHT: 11.7				
HEIGHT: 15.7				

X	PLATING: CONTACT AREA
1	GOLD 0.05um MIN
2	GOLD OR GXT 0.2um MIN
3	GOLD OR GXT 0.375um MIN
4	GOLD OR GXT 0.75um MIN

X	SOLDER TAIL PLATING:	
	POWER PIN	SIGNAL PIN
1	GOLD FLASH	TIN
2	GOLD FLASH	GOLD FLASH

X	POLARIZATION PEG/ DATE CODE
L	WITH PEG/ WITHOUT DATE CODE
P	WITH PEG/ WITH DATE CODE
C	WITH PEG/ CUSTOMIZED DATE CODE
M	WITHOUT PEG/ WITHOUT DATE CODE
N	WITHOUT PEG/ WITH DATE CODE

X	PACKAGING
R	T&R WITH PICK UP FEATURE
T	TUBE WITHOUT PICK UP FEATURE
Q	T&R WITHOUT PICK UP FEATURE

PICK UP FEATURE	DESCRIPTION
MYLAR	SIGNAL POSITION LESS THAN 40 POS
METAL CAP	SIGNAL POSITION MORE THAN 40 POS

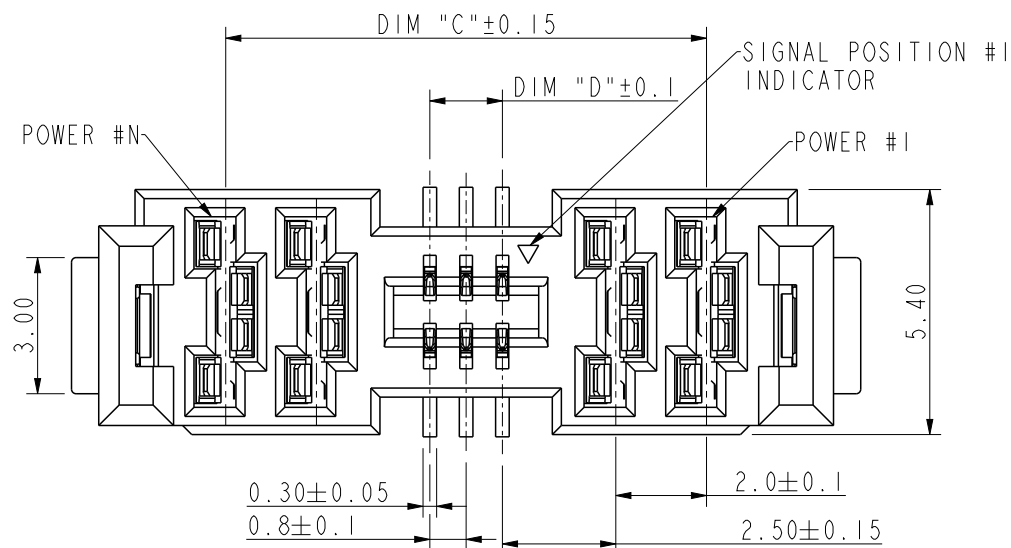
- NOTES:
- MATERIAL:
 - HOUSING: THERMOPLASTICNOTES, NATURAL, UL94V-0.
 - SIGNAL CONTACT: COPPER ALLOY
 - POWER CONTACT: COPPER ALLOY
 - HOLD DOWN: COPPER ALLOY
 - PLATING:
 - UNDER PLATING: 1-3um NI UNDER PLATING;
 - CONTACT AREA: ACCORDING TO PART NUMBER;
 - SOLDER TAIL:
 - SIGNAL CONTACT: ACCORDING TO PART NUMBER;
 - POWER CONTACT: ACCORDING TO PART NUMBER;
 - HOLD DOWN: TIN PLATING.
 - PRODUCT SPEC GS-12-1675
 - APPLICATION GS-20-0696
 - THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A IR REFLOW SOLDERING APPLICATION.
 - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

DATE CODE: XXXXXX
DAY (01~32)
MONTH (01~12)
YEAR (00~99)

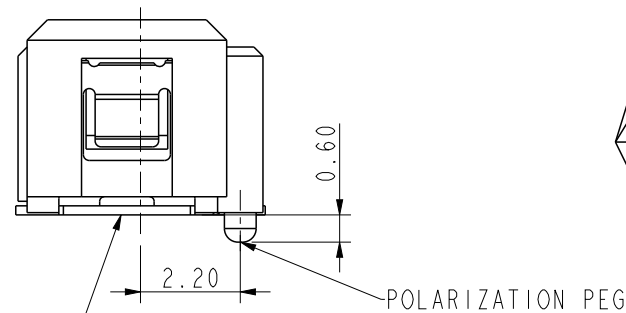
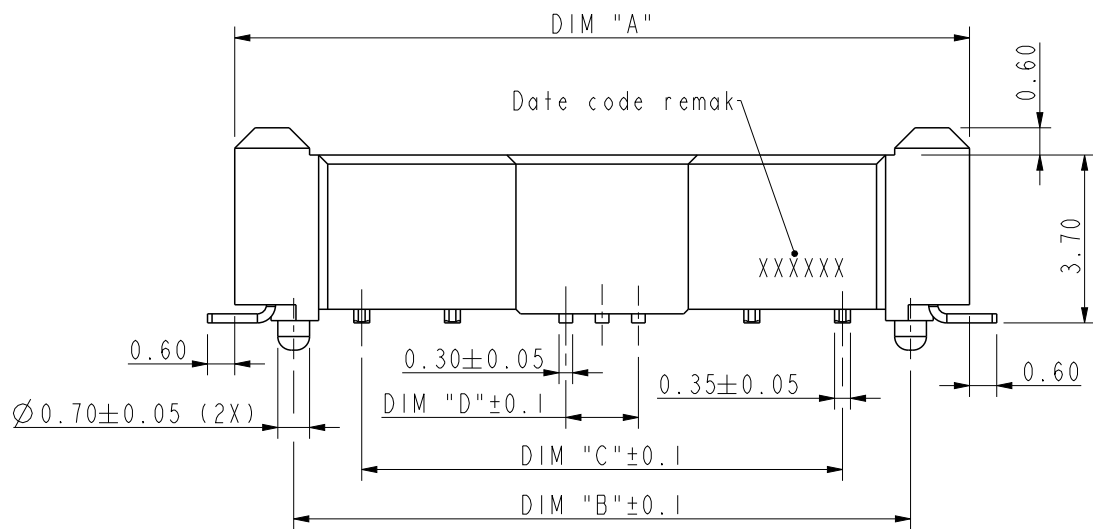
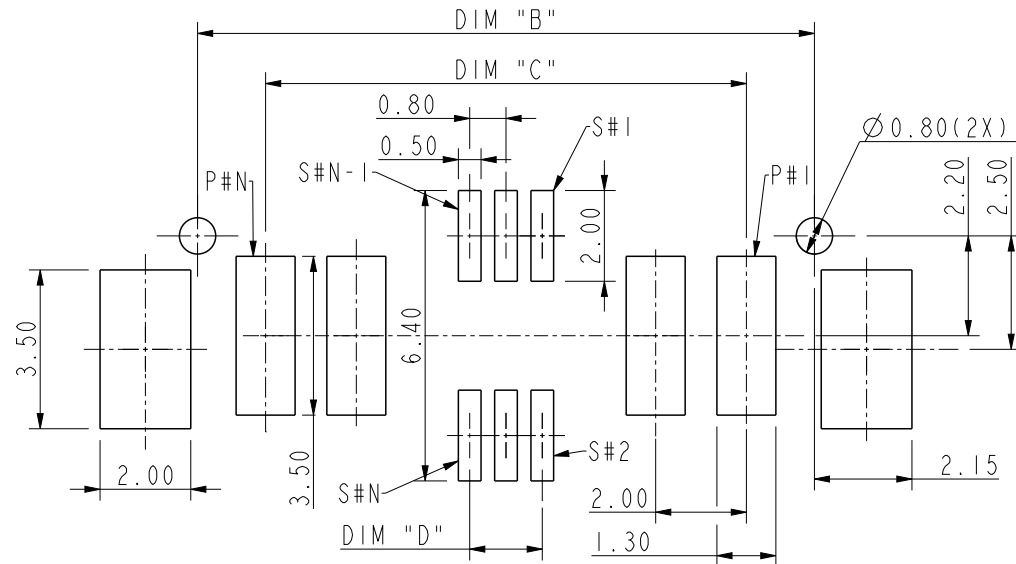
spec ref	dr	Li-Qing Lei	2021/03/24	projection	mm	size	A3	scale	1:1
tolerance std	eng	Li-Qing Lei	2023/07/13	chr	-	ecn no	ELX-N-48555-1	rel level	Released
surface	appr	Tim Yao	2023/10/18	product family	RECEPTACLE	dwg no	10159559	rev	D
linear	0.X	±0.5	Amphenol FCI	ComboStak Connector	cat. no.	Product - Customer Drw	sheet 1 of 4		
angular	0°	±2°							

RECEPTACLE 1

Dimension	Computational Formula
DIM "A"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 8.6
DIM "B"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 6
DIM "C"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 3
DIM "D"	(SIGNAL POSITION / 2 - 1) X 0.8

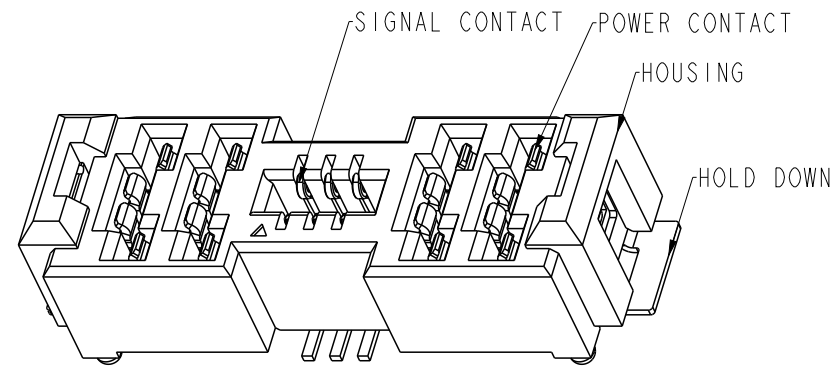


PCB LAYOUT PROPOSAL FOR RECEPTACLE 1
TOLERANCE RECOMMENDED ±0.05



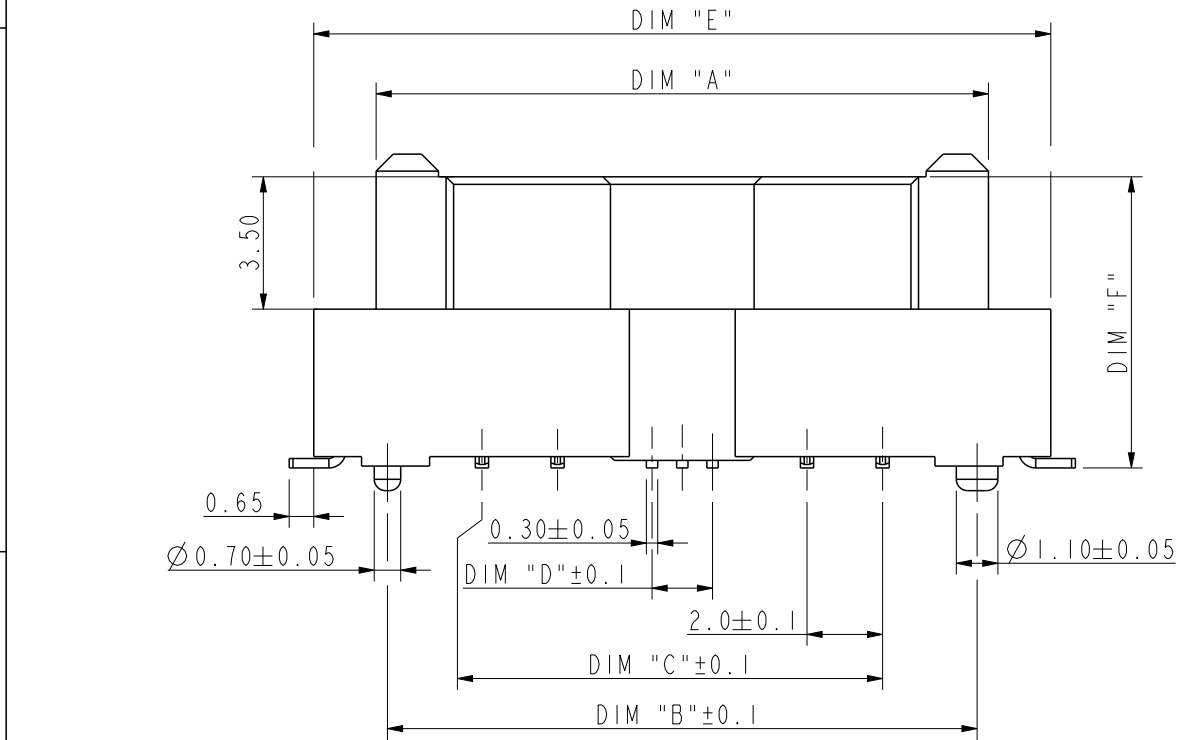
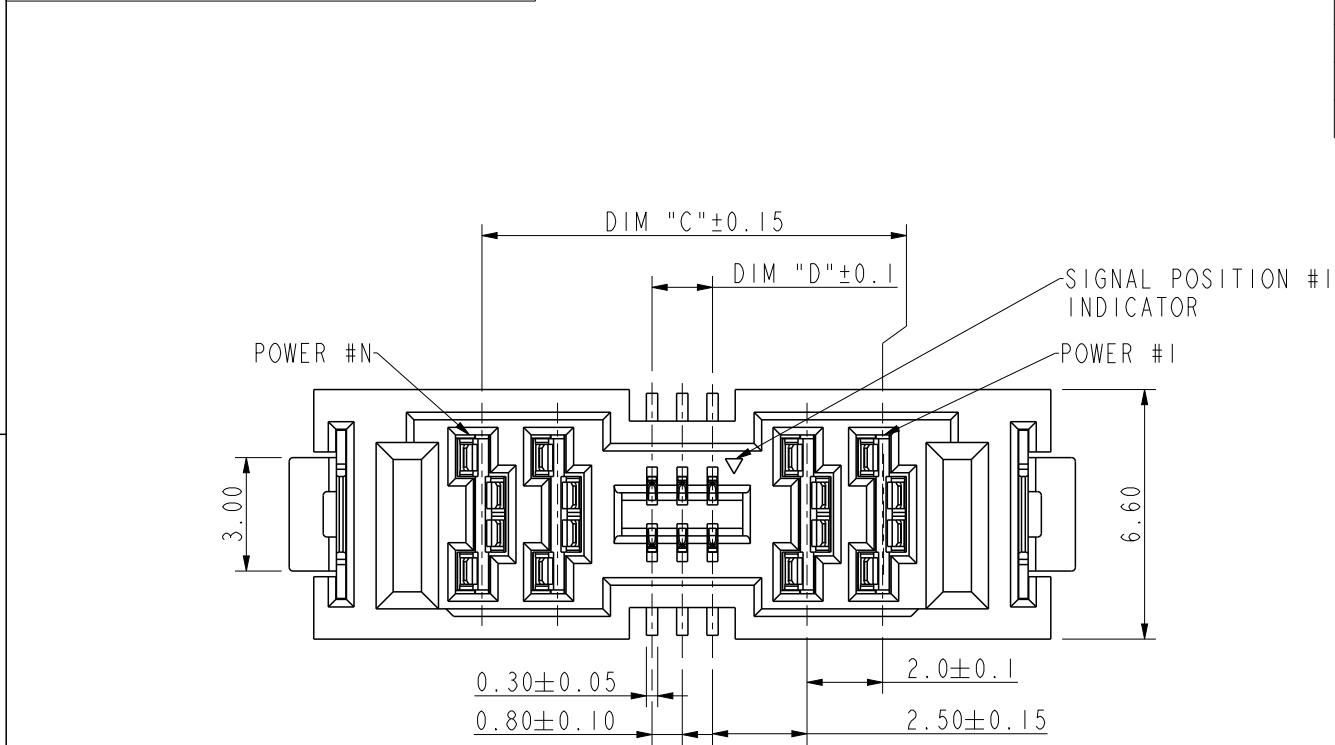
0.10	WHEN DIM "A" LESS THAN 65MM
0.13	WHEN DIM "A" MORE THAN 65MM

ALL SOLDER SURFACES



spec ref	dr	Li-Qing Lei	2021/03/24	projection	mm	size	A3	scale	6:1
tolerance std	eng	Li-Qing Lei	2023/07/13	chr	-	ecn no	ELX-N-48555-1	rel level	Released
	appr	Tim Yao	2023/10/18	product family		rel level	Released		
surface	linear	0.X	±0.5	Amphenol FCI	title	RECEPTACLE	dwg no	10159559	rev
		0.XX	±0.25			ComboStak Connector			D
		0.XXX	±0.10						
	angular	0°	±2°		cat. no.		Product - Customer Drw	sheet 2 of 4	

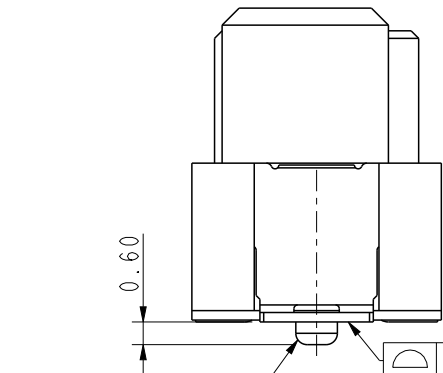
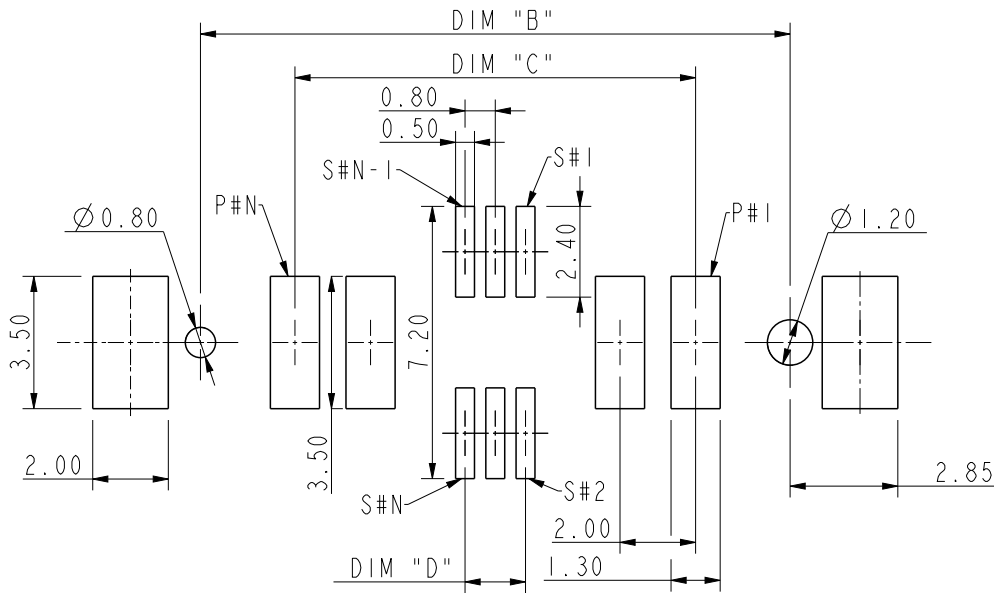
RECEPTACLE 2/3/4



Dimension	Computational Formula
DIM "A"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 8.6
DIM "B"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 8
DIM "C"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 3
DIM "D"	(SIGNAL POSITION / 2 - 1) X 0.8
DIM "E"	(SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 11.9

PRODUCT	DIM "F"
RECEPTACLE 2	7.7
RECEPTACLE 3	11.7
RECEPTACLE 4	15.7

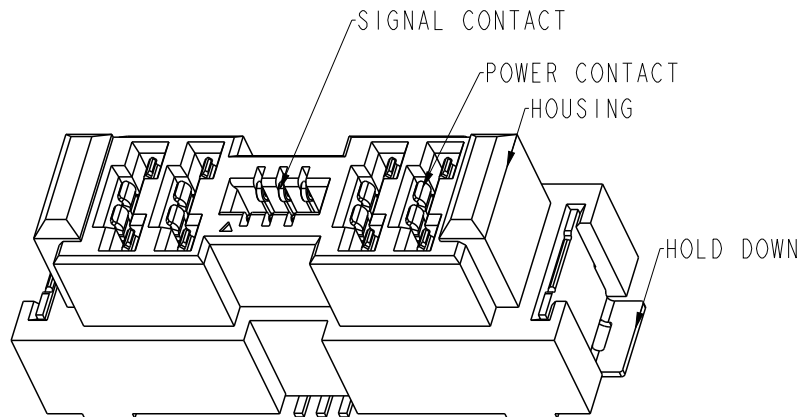
PCB LAYOUT PROPOSAL FOR RECEPTACLE 2/3/4
TOLERANCE RECOMMENDED ±0.05



POLARIZATION PEG

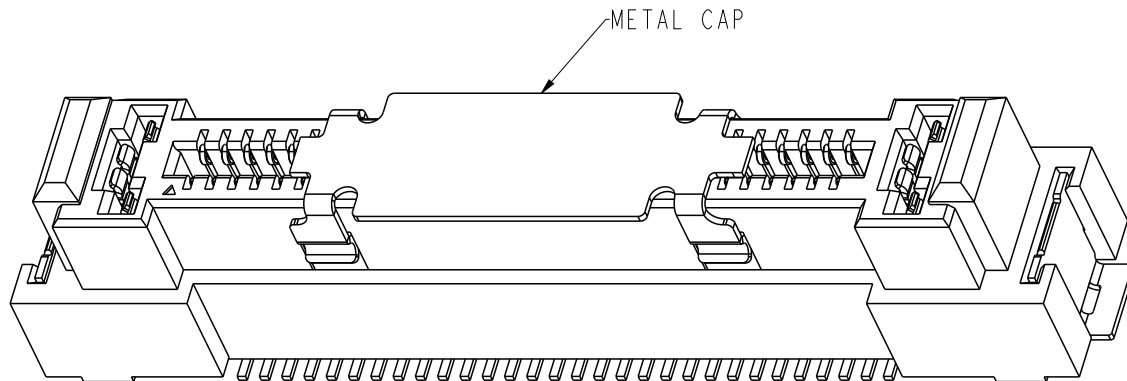
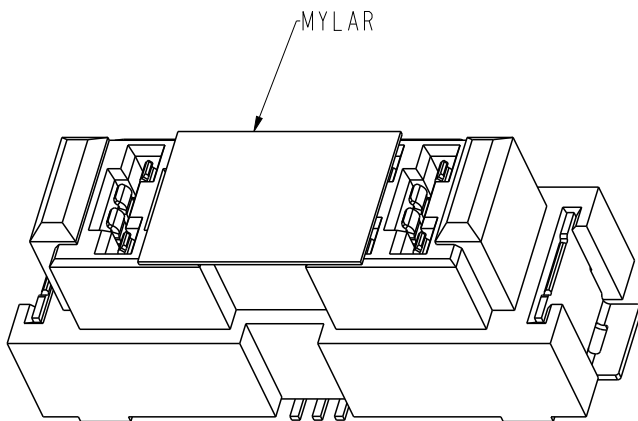
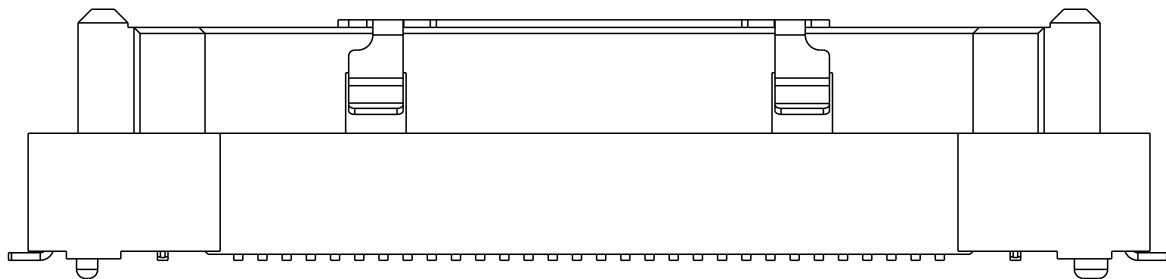
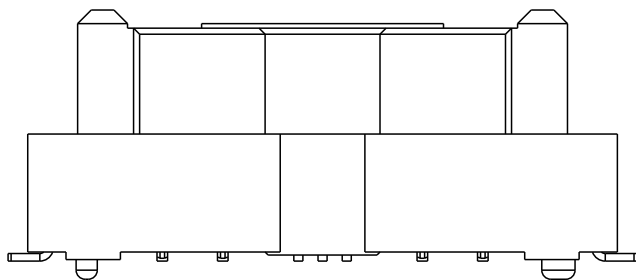
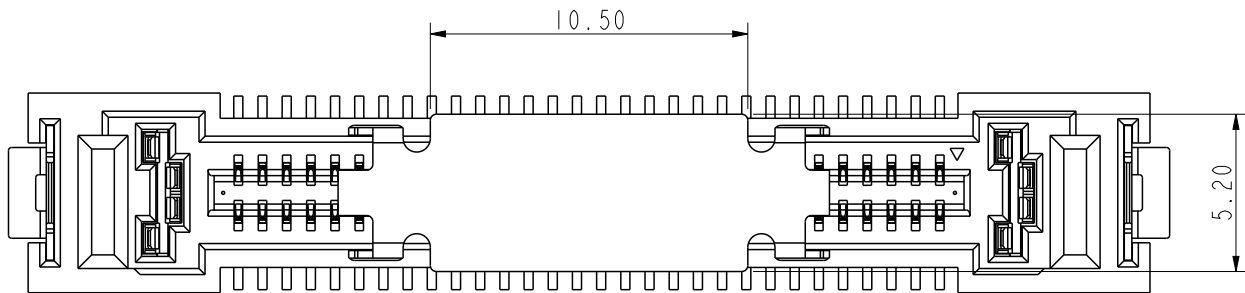
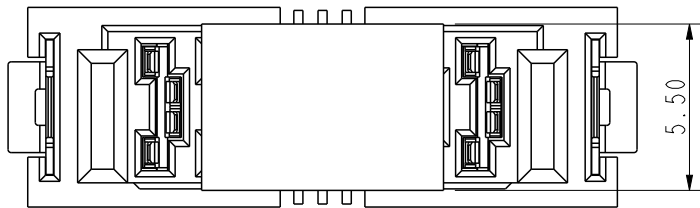
0.10	WHEN DIM "A" LESS THAN 65MM
0.13	WHEN DIM "A" MORE THAN 65MM

ALL SOLDER SURFACES



spec ref	dr	Li-Qing Lei	2021/03/24	projection	mm	size	A3	scale	5:1
tolerance std	eng	Li-Qing Lei	2023/07/13	chr	-	ecn no	ELX-N-48555-1	rel level	Released
	appr	Tim Yao	2023/10/18	product family		rel level	Released		
surface	linear	0.X	±0.5	Amphenol FCI	RECEPTACLE	dwg no	10159559	rev	D
		0.XX	±0.25		ComboStak Connector				
		0.XXX	±0.10						
	angular	0°	±2°						
				cat. no.		Product - Customer Drw		sheet 3 of 4	

PICK UP FEATURE	DESCRIPTION
MYLAR	SIGNAL POSITION LESS THAN 40 POS
METAL CAP	SIGNAL POSITION MORE THAN 40 POS



spec ref				dr		Li-Qing Lei	2021/03/24			size	A3	scale	4:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Li-Qing Lei	2023/07/13			ecn no					ELX-N-48555-1
				chr		-	-			rel level					Released
				appr		Tim Yao	2023/10/18			product family					
	linear	0.X	±0.5		title	RECEPTACLE ComboStak Connector				dwg no	10159559		rev	D	
		0.XX	±0.25												
		0.XXX	±0.10												
	angular	0°	±2°		cat. no.	Product - Customer Drw					sheet 4 of 4				