

PART NUMBER SCHEME:

10159561-X X X X X X X X F

LEAD FREE

X	POWER POSITION
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10

X	EMPTY PIN OPTIONAL
0	NONE
2	2#
3	3#
4	4#
5	5#
6	6#
7	7#
8	8#
9	9#

X	CUSTOMER OPTIONAL
0	GENERAL
E	E CUSTOMIZED

X	FOR HEADER, SEE DWG. NO. 10159560			
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				
RECEPTACLE 2				
HEIGHT: 7.7				
RECEPTACLE 3				
HEIGHT: 11.7				
RECEPTACLE 4				
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
1	GOLD FLASH

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

X	PACKAGING
R	T&R WITH MYLAR
T	TUBE WITHOUT MYLAR
Q	T&R WITHOUT MYLAR

DATE CODE:XXXXXX

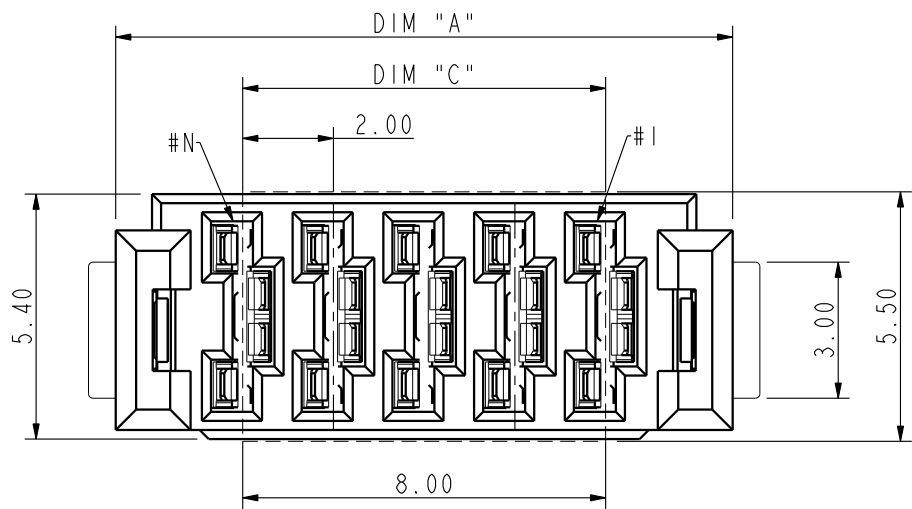


- NOTES:
- MATERIAL:
 - HOUSING: THERMOPLASTICNOTES, NATURAL, UL94V-0.
 - POWER CONTACT: COPPER ALLOY
 - HOLD DOWN: COPPER ALLOY
 - PLATING:
 - UNDER PLATING:1-3um NI UNDER PLATING;
 - CONTACT AREA: ACCORDING TO PART NUMBER;
 - SOLDER TAIL:
 - POWER CONTACT:ACCORDING TO PART NUMBER;
 - HOLD DOWN:TIN PLATIN.
 - 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.
 - COPLANARITY AREA OF TERMINATION 0.10MM MAX.

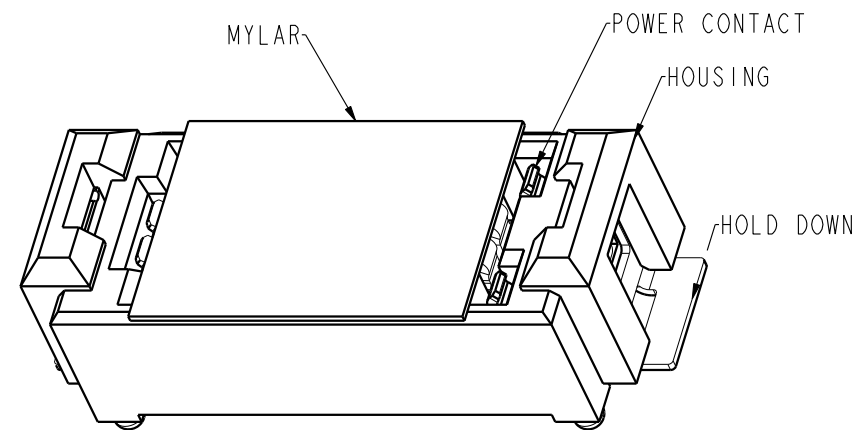
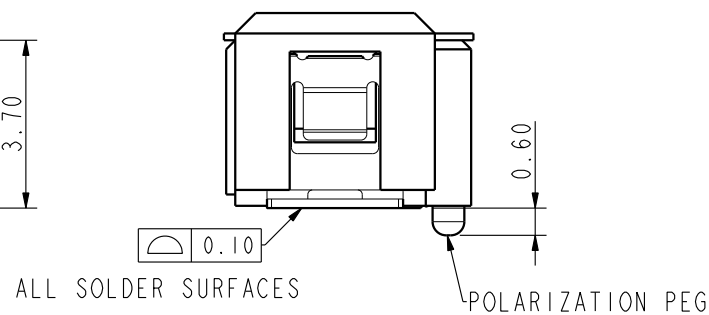
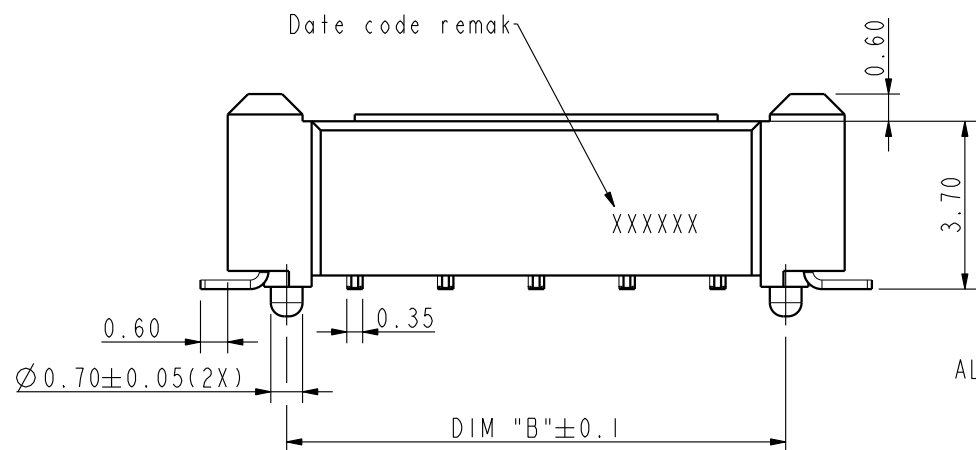
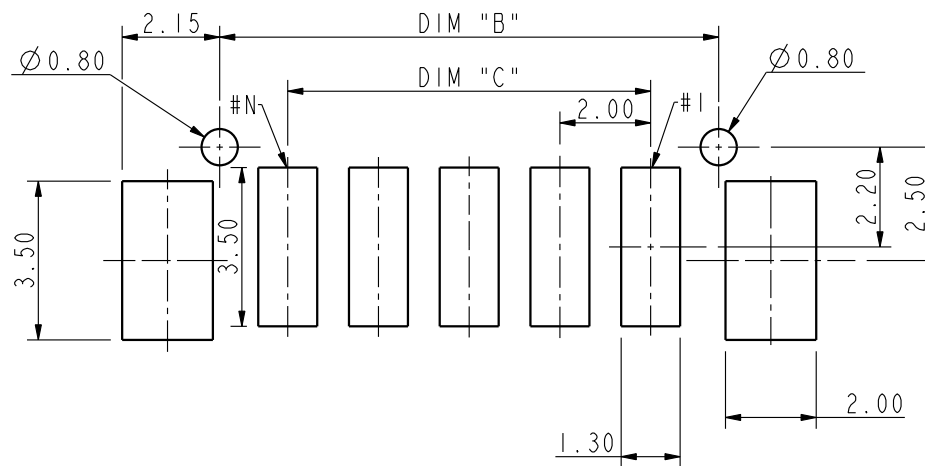
spec ref	dr	Li-Qing Lei	2021/03/23	projection	mm	size	A3	scale	1:1
tolerance std	eng	Li-Qing Lei	2023/07/13	chr	-	ecn no	ELX-N-48555-1	rel level	Released
	appr	Tim Yao	2023/10/18	product family		rel level	Released		
surface	linear	0.X	±0.5	Amphenol FCI	RECEPTACLE	dwg no	10159561	rev	F
		0.XX	±0.25		PowerStak Connector				
		0.XXX	±0.10						
	angular	0°	±2°						
				cat. no.		Product - Customer Drw		sheet 1 of 3	

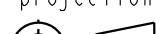
RECEPTACLE 1

Dimension	Computational Formula
DIM "A"	(POSITION-1) X 2 + 5.6
DIM "B"	(POSITION-1) X 2 + 3
DIM "C"	(POSITION-1) X 2



PCB LAYOUT PROPOSAL FOR RECEPTACLE 1
TOLERANCE RECOMMENDED ±0.05

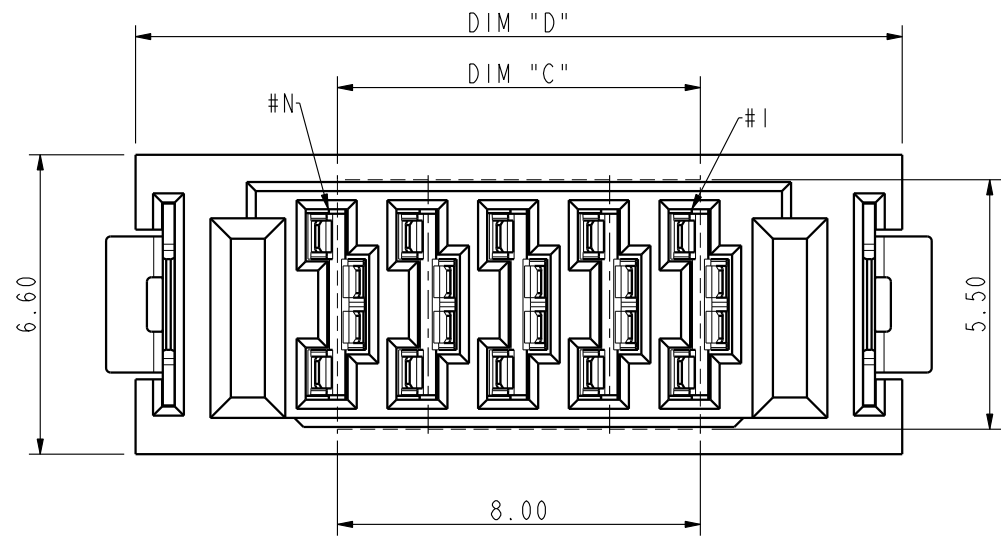


spec ref				dr	Li-Qing Lei	2021/03/23			size	A3	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Li-Qing Lei	2023/07/13			ecn no	ELX-N-48555-1			
				chr	-	-			rel level			Released	
				appr	Tim Yao	2023/10/18			product family				
surface	linear	0.X	±0.5		title	RECEPTACLE PowerStak Connector			dwg no	10159561		rev	F
		0.XX	±0.25										
		0.XXX	±0.10										
	angular	0°	±2°	cat. no.	Product - Customer Drw					sheet 2 of 3			

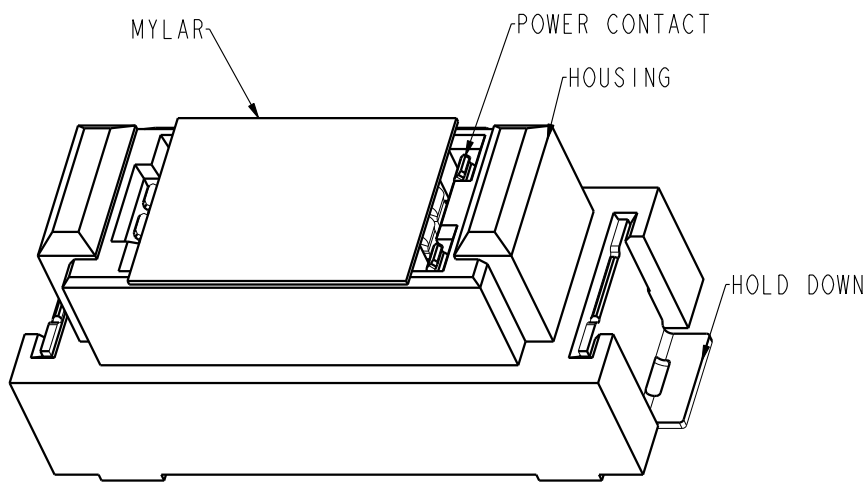
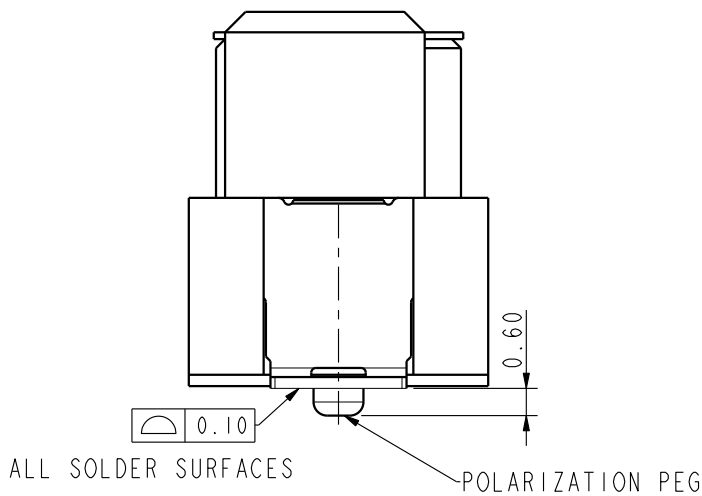
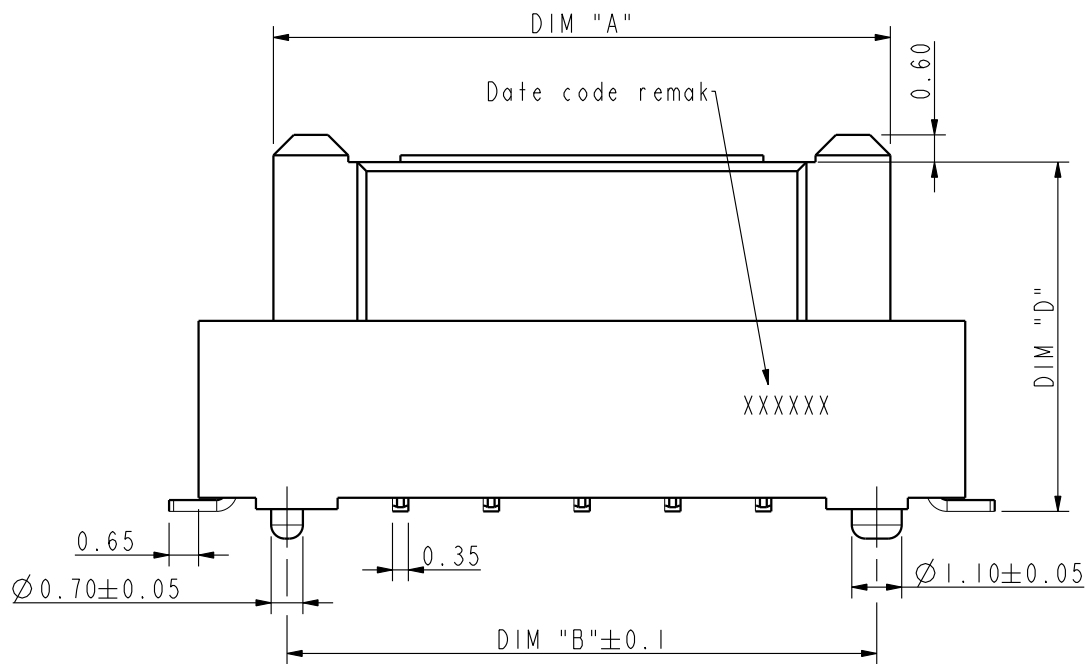
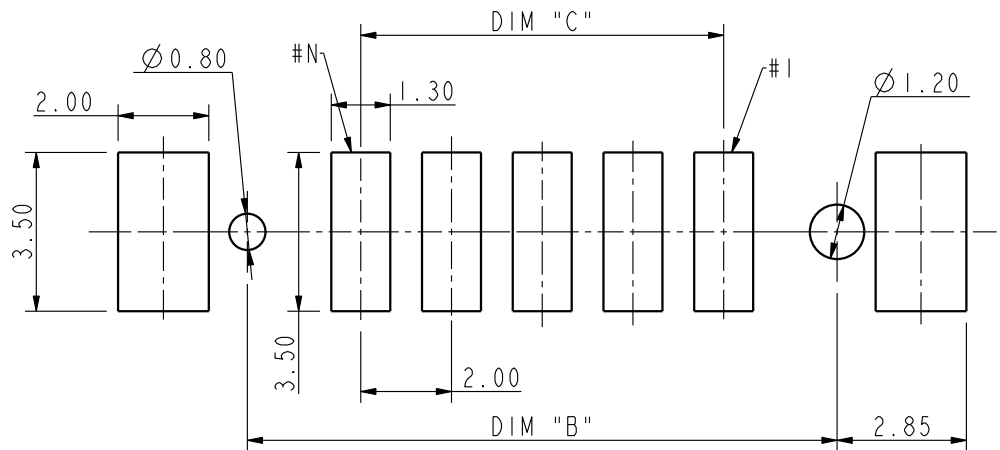
RECEPTACLE 2/3/4

Dimension	Computational Formula
DIM "A"	(POSITION-1) X 2 + 5.6
DIM "B"	(POSITION-1) X 2 + 5
DIM "C"	(POSITION-1) X 2
DIM "D"	(POSITION-1) X 2 + 8.9

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



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



spec ref				dr		Li-Qing Lei		2021/03/23		projection		mm		size		A3		scale		1:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Li-Qing Lei		2023/07/13						ecn no		ELX-N-48555-1							
chr						-		-																	
appr						Tim Yao		2023/10/18		product family						rel level		Released							
surface		linear		0.X		±0.5		Amphenol FCI		title		RECEPTACLE						dwg no		10159561		rev		F	
				0.XX		±0.25																			
				0.XXX		±0.10																			
		angular		0°		±2°				cat. no.		Product - Customer Drw						sheet 3 of 3							