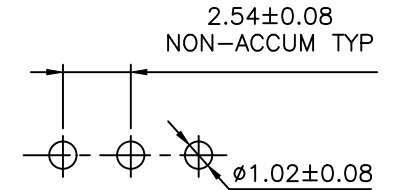


PRODUCT NUMBER
77312-YXX-LF

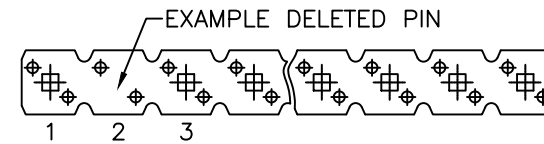
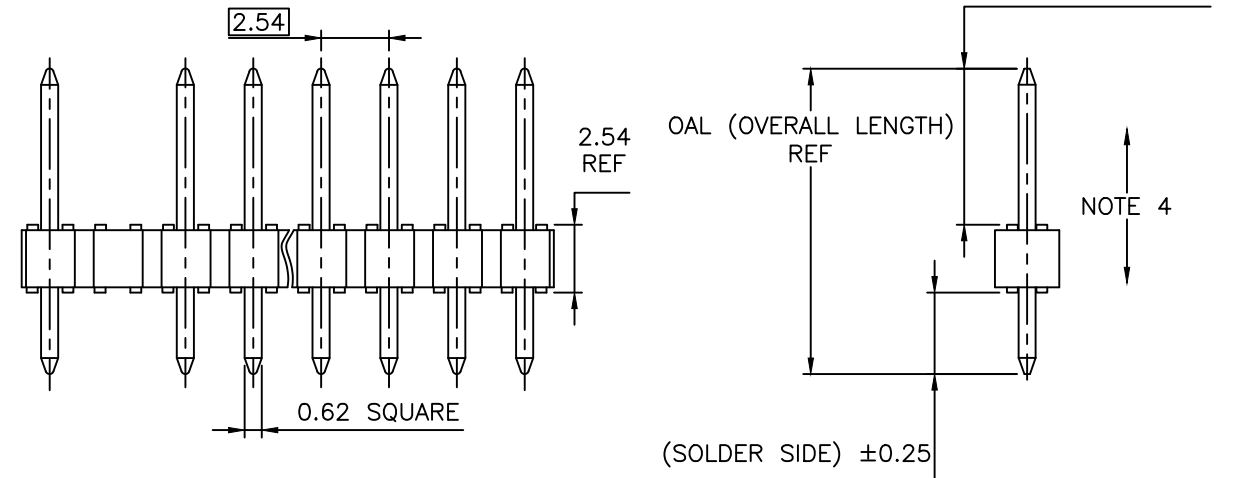
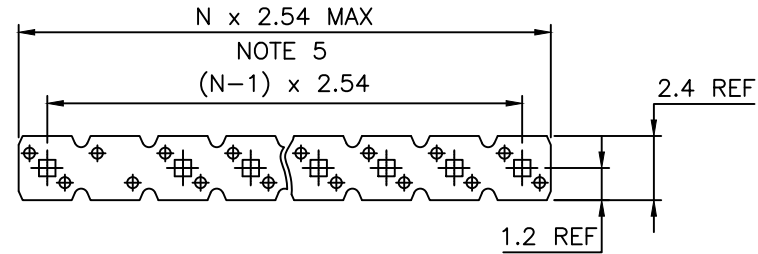
- RoHS COMPATIBLE
SEE NOTE 7
- PACKAGING, SEE NOTE 8
(MAY BE SUBJECT TO TOOLING FEES)
- PIN STYLE, SEE NEXT SHEETS
(AS AVAILABLE)
- PLATING, SEE SHEET 2
(AS AVAILABLE)

EXTENDED RANGE

- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND



RECOMMENDED HOLE PATTERN



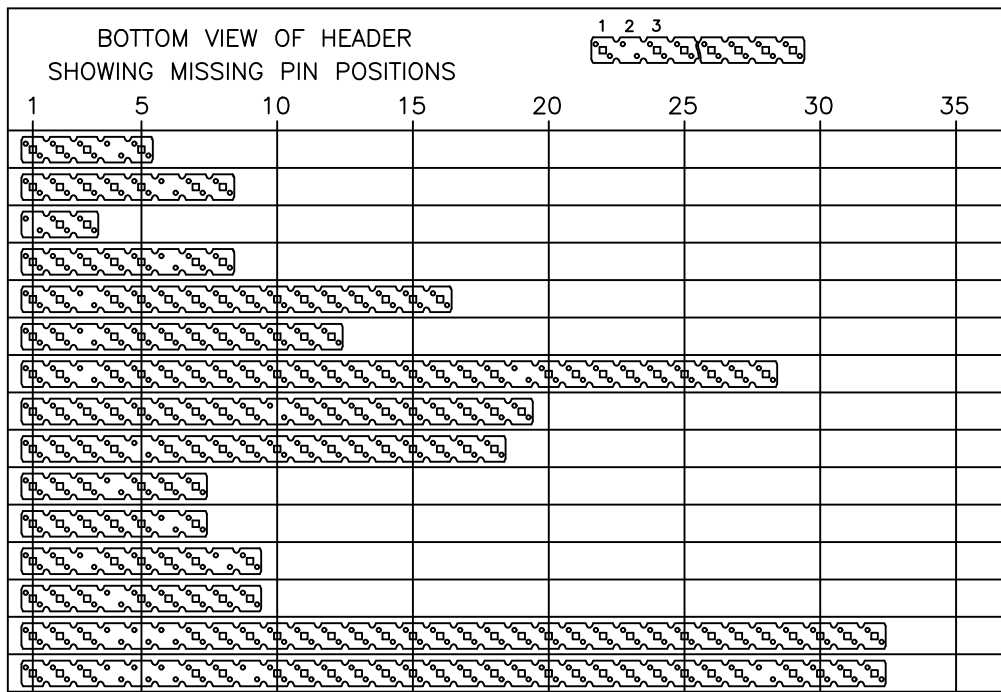
BOTTOM VIEW

NOTES:

- 1 - HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- 2 - PIN MATERIAL: PHOSPHOR BRONZE
- 3 - PRODUCT PACKAGED IN POLY BAGS.
- 4 - 9N MIN RETENTION IN EITHER DIRECTION
- 5 - TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW
EXAMPLE: 8 POS N x 2.54 = 20.32mm
- 6 - UNDERPLATING: 1.27µm Ni MIN
- 7 - RoHS COMPATIBLE PRODUCT SPECIFICATIONS
 - a - PLATING:
 - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
 - b - MANUFACTURING PROCESS COMPATIBILITY
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.
 - c - LABELING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
 - d - LEGAL STATEMENT: SEE GS-47-0004
- 8 - PACKAGING
BLANK = POLYBAGS
KV = TAPE&REEL PACKAGING WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART. ONLY P/N 77312-496KVLV
A = TAPE&REEL PACKAGING WITH PICK UP CAP AS AVAILABLE
- 9 - THIS PART SERIES IS NOT INITIALLY INTENDED FOR AUTOMOTIVE APPLICATIONS. ADDITIONAL FEES ARE CHARGEABLE FOR ANY ADDITIONAL QUALIFICATION AND TEST REPORTS PERFORMED OUTSIDE THE SCOPE OF THE STANDARD PRODUCT SPECIFICATIONS.
- 10- UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.

mat'l. code SEE NOTES				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection mm		product family BERGSTIK							
ltr	ecn no	dr	date	tolerances unless otherwise specified						title							
AR	F-24825	AMA	16.08.26	angles		linear		mm		HEADER SR STR							
AS	F-25332	DDE	16.11.15							scale 5:1		POL DUPLEX 2.54mm					
AT	F-25396	LMU	16.11.21									dwg no		sheet 1 of 5		size	
AU	F-28244	DDE	17.09.20	dr		J.COMPAGNON		95.10.27		Amphenol FCI		77312		A3			
AV	F-47087	DDE	23.01.20	enfr		J.COMPAGNON		95.10.27				type		CUSTOMER		Drawing	
AW	F-55226	DDE	25.04.02	chr													
				appd		J.COMPAGNON		95.10.27									
sheet		revision		AW	V	P	AA	K									
index		sheet		1	2	3	4	5									

PIN STYLE	PRODUCT DEFINITION			
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL") REF
01	1x5	5.84	3.42	11.8
02	1x8	5.84	3.42	11.8
03	1x3	5.84	3.42	11.8
04	1x8	5.72	2.54	10.8
05	1x16	5.72	2.54	10.8
06	1x12	5.72	2.54	10.8
07	1x28	5.84	3.42	11.8
15	1x19	5.84	3.42	11.8
16	1x18	5.84	3.42	11.8
17	1x7	5.84	3.42	11.8
18	1x7	5.84	3.42	11.8
19	1x9	5.84	3.42	11.8
20	1x9	5.84	3.42	11.8
21	1x32	5.84	3.42	11.8
22	1x32	5.84	3.42	11.8



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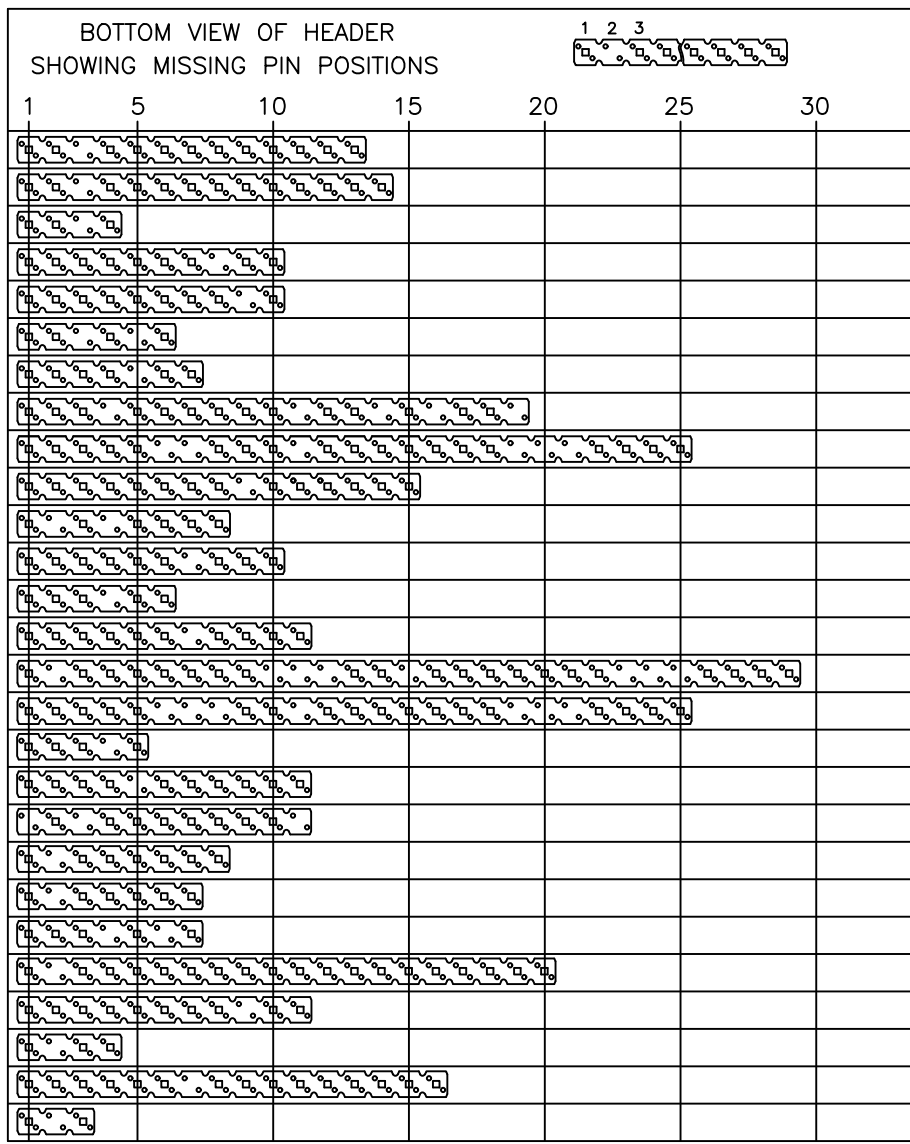
77312-GXXLF	0.76µm FULL GXT	
77312-SXXLF	0.38µm FULL GXT	
77312-8XXLF	0.38µm Au/GXT	2.0-7.5µm Sn MATTE
77312-5XXLF	0.25µm Au/GXT	2.0-7.5µm Sn MATTE
77312-4XXLF	2.0-7.5µm FULL MATTE TIN	
77312-2XXLF	1.27µm Au	2.0-7.5µm Sn MATTE
77312-1XXLF	0.76µm Au/GXT	2.0-7.5µm Sn MATTE
77312-1XXSLF	0.76µm Au/GXT	GOLD FLASH
PLATING CODE	CONTACT AREA	REMAINDER
	PLATING THICKNESS OVER 1.27µm Ni	

ONLY AVAILABLE UPON REQUEST

mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO 1101				BERGSTIK	
ltr		ecn no		date		tolerances unless otherwise specified		title	
S		B-18917		LMU 14.09.26		angles linear		HEADER SR STR	
T		B-21118		LMU 15.06.10				POL DUPLEX 2.54mm	
U		F-47087		DDE 23.01.20				dwg no	
V		F-55226		DDE 25.04.02		dr J.COMPAGNON 95.01.11		sheet 2 of - size	
						enr J.COMPAGNON 95.10.27		77312 A3	
P		F08-0148		RTR 08.03.31		chr		type CUSTOMER Drawing	
R		B-17773		LMU 14.05.26		appd J.COMPAGNON 95.10.27			
sheet index		revision sheet							

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PIN STYLE	PRODUCT DEFINITION			
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL" REF)
23	1x 13	5.84	3.42	11.8
24	1x 14	5.84	3.42	11.8
25	1x 4	5.84	3.42	11.8
26	1x 10	5.84	3.42	11.8
27	1x 10	5.84	3.42	11.8
28	1x 6	5.72	2.54	10.8
29	1x 7	5.84	3.42	11.8
30	1x 19	5.84	3.42	11.8
31	1x 25	5.84	3.42	11.8
32	1x 15	5.84	3.42	11.8
33	1x 8	5.84	3.42	11.8
34	1x 10	5.84	3.42	11.8
35	1x 6	5.84	3.42	11.8
36	1x 11	5.84	3.42	11.8
37	1x 29	5.84	3.42	11.8
38	1x 25	5.84	3.42	11.8
39	1x 5	5.72	2.54	10.8
40	1x 11	5.72	3.05	11.3
41	1x 11	5.72	3.05	11.3
42	1x 8	7.75	3.06	13.35
43	1x 7	5.84	3.42	11.8
44	1x 7	5.72	2.54	10.8
45	1x 20	5.72	7.64	15.9
46	1x 11	5.72	3.05	11.3
48	1x 4	5.72	3.05	11.3
49	1x 16	5.72	7.64	15.9
50	1x 3	5.72	3.05	11.3



A
B
C
D

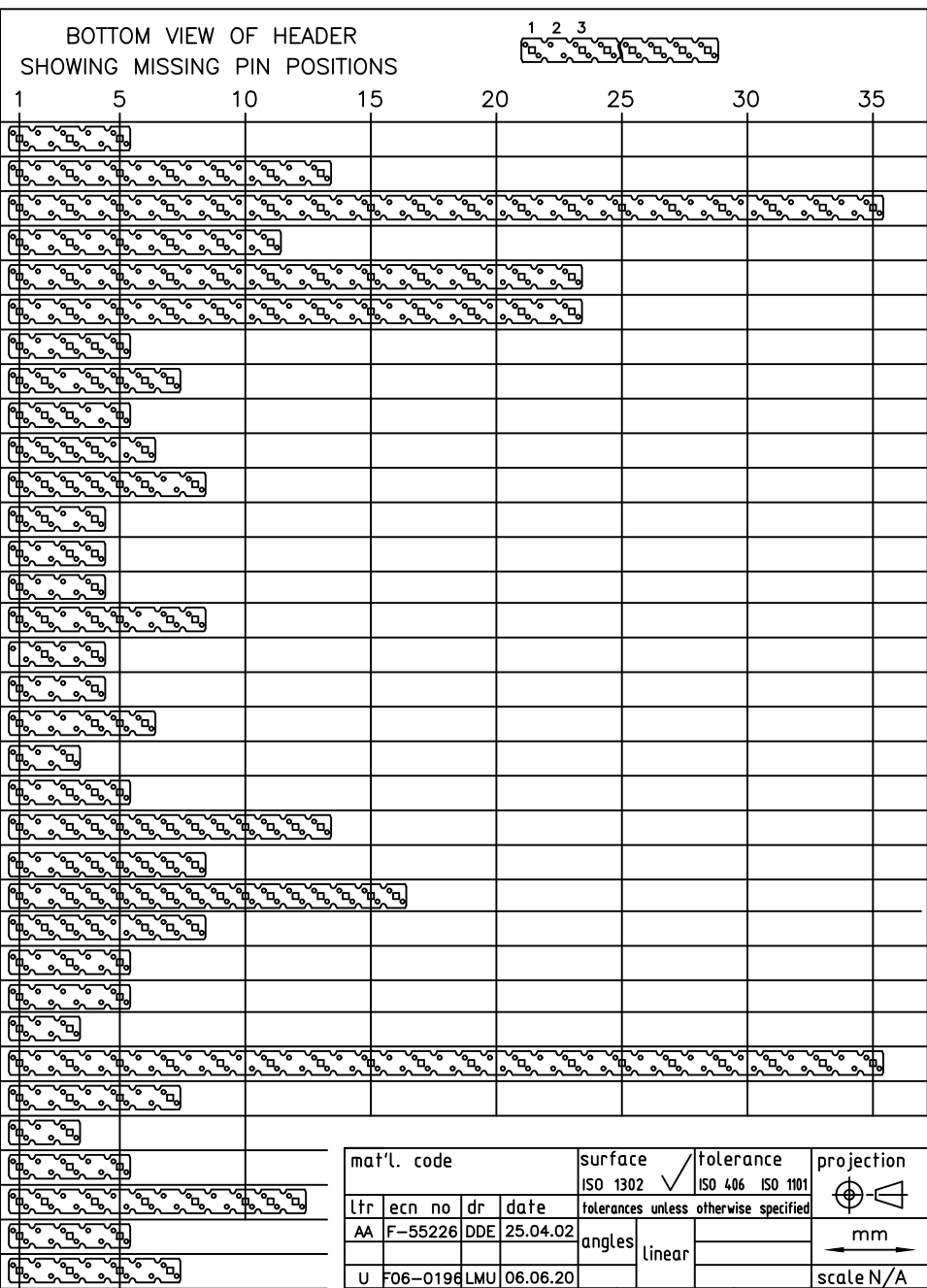
A
B
C
D

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mat'l. code		surface <input checked="" type="checkbox"/> ISO 1302 <input type="checkbox"/> ISO 406 <input type="checkbox"/> ISO 1101		tolerance		projection		product family BERGSTIK	
ltr		ecn no		dr		date		title	
J		F40810		JMC		94.10.20		HEADER SR STR	
K		F50801		JMC		95.10.27		POL DUPLEX 2.54mm	
L		F10707		LMU		01.11.28		dwg no	
M		F06-0196		LMU		06.06.20		sheet 3 of - size	
N		F11-0034		LMU		11.03.03		77312 A3	
P		F-55226		DDE		25.04.02		type CUSTOMER Drawing	
sheet index		revision sheet							

PIN STYLE	PRODUCT DEFINITION			
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL") REF
51	1x5	5.72	3.05	11.3
52	1x13	5.72	3.05	11.3
53	1x35	5.72	3.05	11.3
54	1x11	5.72	3.05	11.3
55	1x23	12.83	3.03	18.4
56	1x23	17.5	3.46	23.5
57	1x5	5.84	3.42	11.8
58	1x7	5.72	3.05	11.3
59	1x5	5.72	3.05	11.3
60	1x6	5.72	3.05	11.3
61	1x8	5.72	3.05	11.3
62	1x4	5.72	3.05	11.3
63	1x4	15.57	2.84	20.95
65	1x4	5.72	2.54	10.8
66	1x8	5.72	2.54	10.8
67	1x4	5.72	3.05	11.3
68	1x4	5.72	3.05	11.3
69	1x6	5.72	3.05	11.3
70	1x3	5.72	2.54	10.8
71	1x5	5.84	2.42	10.8
72	1x13	5.72	2.54	10.8
73	1x8	5.84	2.41	10.8
74	1x16	5.84	2.41	10.8
75	1x08	5.84	2.41	10.8
76	1x05	2.50	1.80	6.84
77	1x05	2.50	1.80	6.84
78	1x03	8.13	2.33	13.00
79	1x35	5.84	3.42	11.80
80	1x07	2.50	1.80	6.84
81	1x03	24.90	3.00	30.40
82	1x05	20.65	11.00	34.15
83	1x12	5.84	3.42	11.80
84	1x05	8.00	2.90	13.40
85	1x07	8.00	2.90	13.40

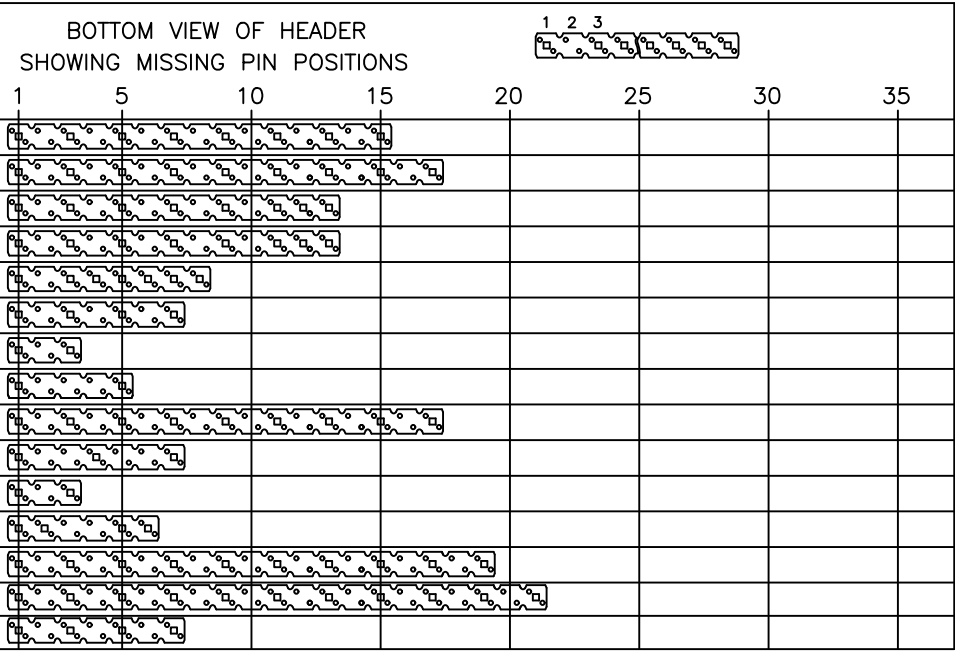


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ltr ecn no dr date		tolerances unless otherwise specified		mm		title		sheet 4 of size	
AA F-55226 DDE 25.04.02		angles linear		mm		HEADER SR STR		A3	
U F06-0196 LMU 06.06.20		scale N/A		dwg no		POL DUPLEX 2.54mm		77312	
V F11-0034 LMU 11.03.03 dr J.COMPAGNON 95.10.11		Amphenol FCI		sheet 4 of		type CUSTOMER		Drawing	
W F11-0045 LMU 11.04.06 engr J.COMPAGNON 95.10.27				size					
X F11-0329 LMU 11.11.17 chr				A3					
Y B-16703 LMU 14.01.09 appd J.COMPAGNON 95.10.27									
sheet revision									
index sheet									

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PIN STYLE	PRODUCT DEFINITION			
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL") REF
86	1x 15	12.56	0.8	15.90
87	1x 17	12.56	0.8	15.90
88	1x 13	5.72	3.05	11.30
89	1x 13	5.84	3.42	11.80
90	1x 08	7.50	3.42	13.46
91	1x 07	12.83	3.03	18.40
92	1x 03	3.55	3.05	9.14
93	1x 05	3.55	3.05	9.14
94	1x 17	11.60	5.05	19.15
95	1x 07	5.84	3.05	11.43
96	1x 03	11.76	3.60	17.90
97	1x 06	8.51	2.30	13.35
98	1x 19	20.76	2.70	26.00
99	1x 21	20.00	3.00	25.54
AA	1x 07	20.00	3.00	25.54



A

A

B

B

C

C

D

D

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mat'l. code		surface <input checked="" type="checkbox"/> ISO 1302 <input type="checkbox"/> ISO 406 <input type="checkbox"/> ISO 1101		tolerance		projection		product family BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
H	F-28244	DDE	17.09.20	angles	linear	scale N/A		HEADER SR STR	
J	F-47087	DDE	23.01.20					POL DUPLEX 2.54mm	
K	F-55226	DDE	25.04.02					dwg no	
				dr	L.MULIN	14.05.26	Amphenol FCI		sheet 5 of
				enrg	J.COMPAGNON	14.05.26			size A3
F	F-25332	DDE	16.11.15	chr			77312		
G	F-25396	LMU	16.11.21	appd	J.COMPAGNON	95.10.27	type CUSTOMER		Drawing
sheet index	revision sheet								