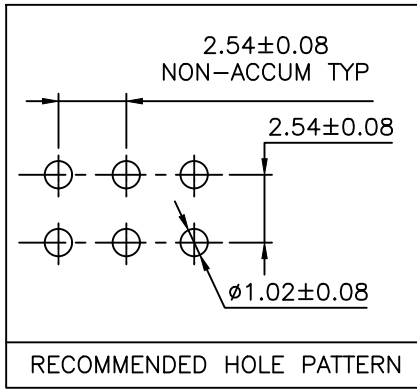


PRODUCT NUMBER
77314-YXXXLF

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

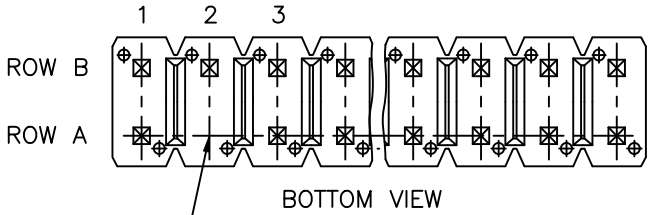
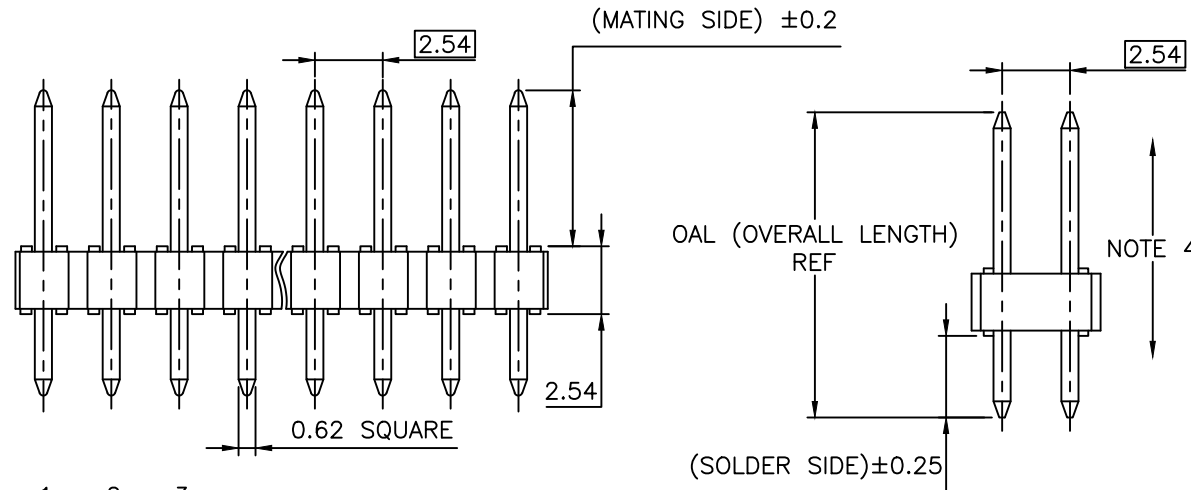
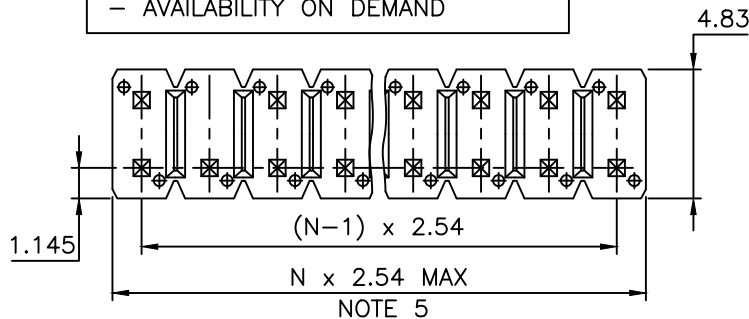
EXTENDED RANGE

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



NOTES:

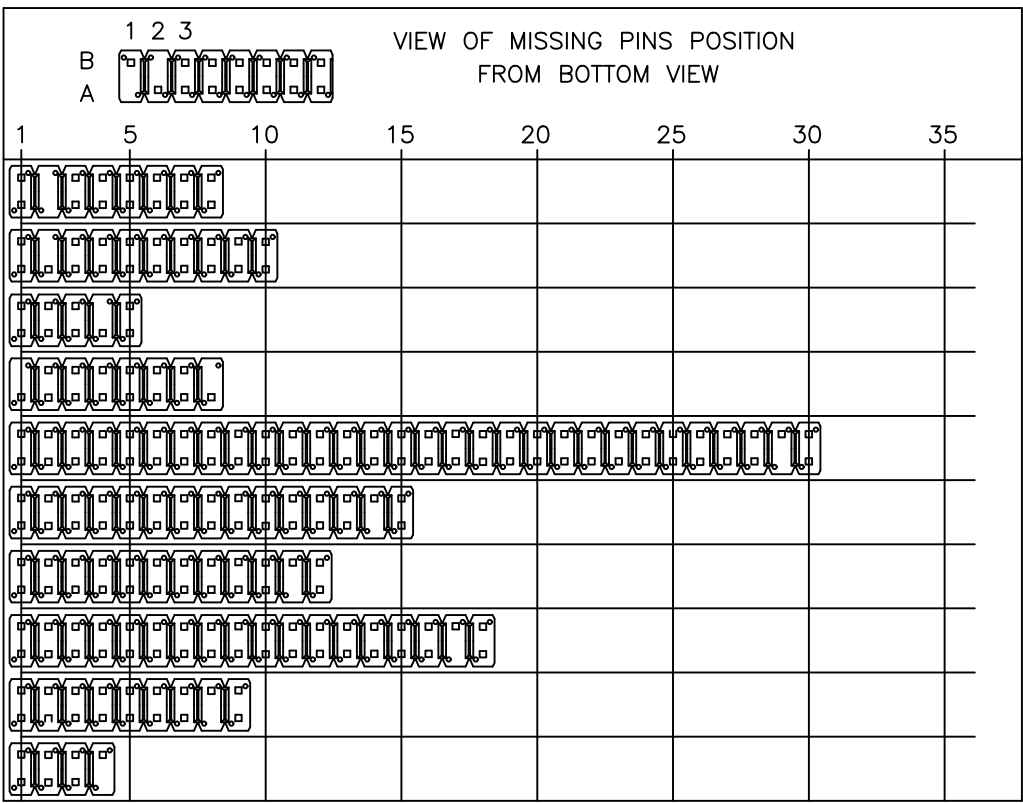
- 1 - HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- 2 - PIN MATERIAL: PHOSPHOR BRONZE
- 3 - PRODUCT PACKAGED IN POLY BAGS
- 4 - 9N MIN RETENTION IN EITHER DIRECTION
- 5 - TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW
EXAMPLE: 8 POS N x 2.54 = 20.32mm
- 6 - UNDERPLATING: 1.27µm Ni MIN
- 7 - OPTIONS:
R : RETENTION OPTION, OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE
A : PACKAGING IN TAPE&REEL WITH PICK-UP CAP AS AVAILABLE
AV : PACKAGING IN TAPE&REEL WITH PICK-UP CAP AS AVAILABLE FOR CUSTOMER DEDICATED PART
T : PACKAGING IN TUBE, AS AVAILABLE
- 8 - 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
- 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		surface		tolerance		projection		product family												
SEE P/N		ISO 1302 ✓		ISO 406 ISO 1101		mm		BERGSTIK												
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title												
BW	F-40013	DDE	23.01.23	angles	linear	.X ±0.3		HEADER STR DR												
BX	F-47772	DDE	23.03.15			.XX ±0.15		POL DUPLEX 2.54mm												
BY	F-50714	DDE	24.02.09			.XXX ±0.05		scale 5:1												
CA	F-51166	LMU	24.04.05	dr	G.LEOTY	91.11.13		dwg no												
CB	F-55227	DDE	25.04.02	engr	J.COMPAGNON	95.12.05		sheet 1 of 10												
				chr	J.COMPAGNON			size												
				appd	J.COMPAGNON	95.12.05		A3												
sheet	revision	CB	AL	AG	AG	AG	AJ	AK	X	N	E									
index	sheet	1	2	3	4	5	6	7	8	9	10									

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PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
01	2x08	5.72	2.54	10.8
02	2x10	5.84	3.05	11.5
04	2x05	5.72	3.05	11.3
05	2x08	5.84	3.42	11.8
06	2x30	5.72	2.54	10.8
07	2x16	5.72	2.54	10.8
08	2x12	5.72	2.54	10.8
09	2x18	5.72	2.54	10.8
10	2x09	5.72	2.54	10.8
11	2x04	5.72	2.54	10.8



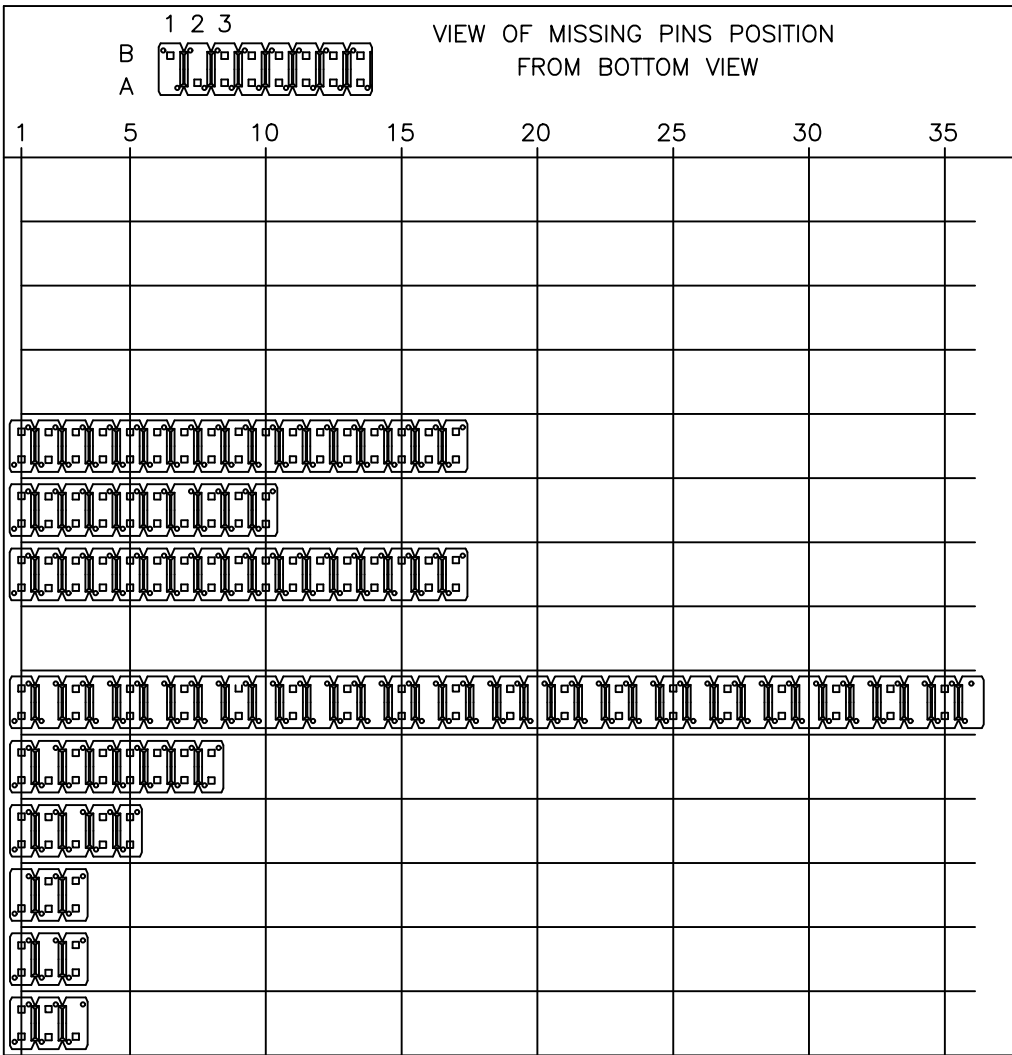
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77314-8XXLF	0.38µm Au/GXT	2.0-7.5 Sn MATTE
77314-4XXLF	2.0-7.5 Sn MATTE	
77314-2XXLF	1.27µm Au	2.0-7.5 Sn MATTE
77314-1XXLF	0.76µm Au/GXT	2.0-7.5 Sn MATTE
77314-1XXSLF	0.76µm Au/GXT	GOLD FLASH
PLATING CODE	CONTACT AREA	REMAINDER
	PLATING THICKNESS OVER 1.27µm Ni	

mat'l. code		surface	tolerance	projection	product family
		ISO 1302	ISO 406 ISO 1101		BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
AH	F06-0196	LMU	06.06.20	angles linear	HEADER STR DR
AJ	F08-0148	RTR	08.03.31		POL DUPLEX 2.54mm
AK	F-40013	DDE	23.01.23	scale 1:1	dwg no
AL	F-55227	DDE	25.04.02	dr	sheet 2 of - size
				engr	JM.PHAMVAN 95.02.27
AG	F04-0362	JCO	04.12.10	chr	J.COMPAGNON 95.02.27
				appd	JM.PHAMVAN 95.02.27
sheet index	revision sheet				Amphenol FCI
					77314
					type CUSTOMER Drawing

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
13				
14				
15				
16				
17	2x17	5.72	3.42	10.8
18	2x10	5.72	2.54	10.8
19	2x17	5.72	2.54	10.8
20				
21	2x36	5.72	2.54	10.8
22	2x08	5.72	2.54	10.8
23	2x05	5.72	2.54	10.8
24	2x03	5.72	2.54	10.8
25	2x03	5.72	2.54	10.8
26	2x03	5.72	2.54	10.8

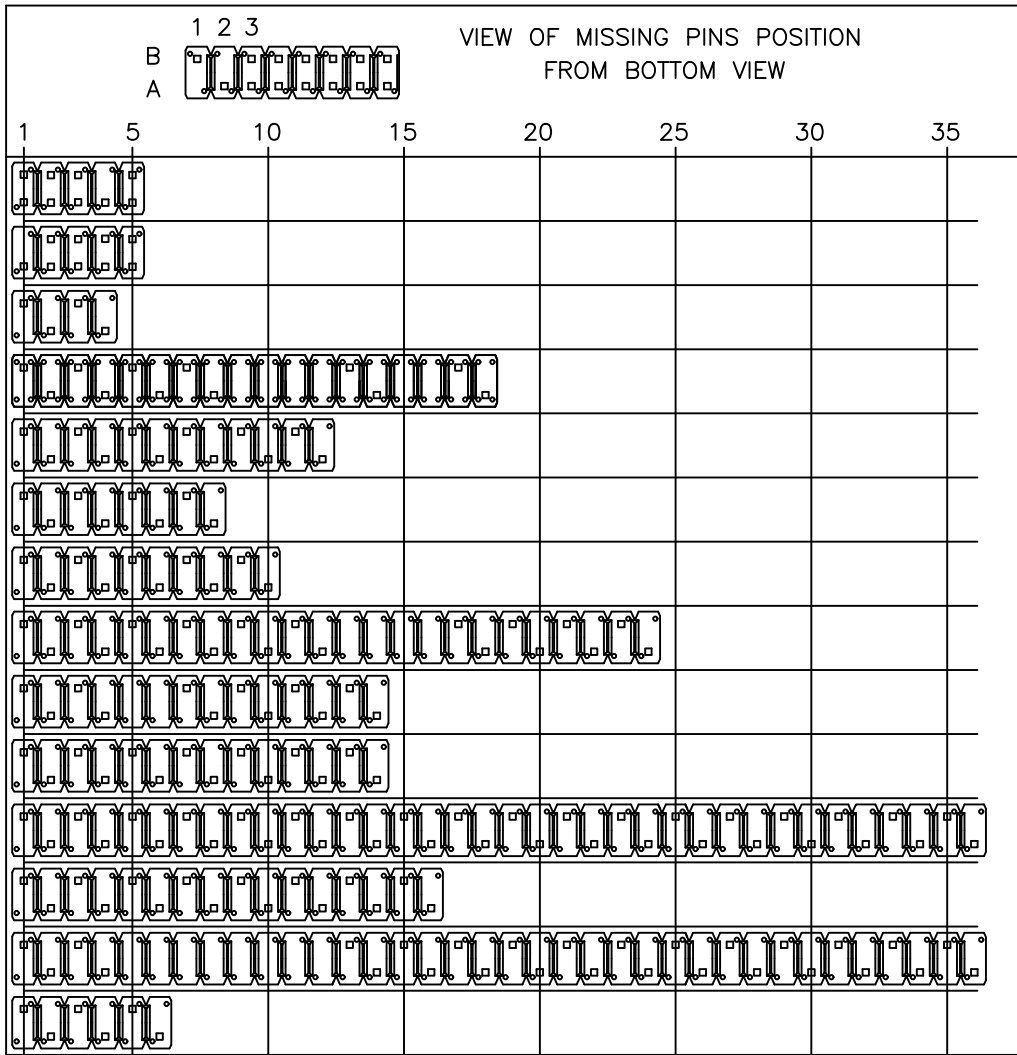


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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 <input checked="" type="checkbox"/> ISO 1101		projection 		product family BERGSTIK		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm 		title HEADER STR DR POL DUPLEX 2.54mm		
AB	F40235	JMC	94.02.25	angles	linear	scale 1:1		dwg no		
AC	F30323	JMC	95.02.27					sheet 3 of - size		
AD	F10707	LMU	01.12.03					77314 A3		
AE	F20197	LMU	02.04.16	dr	G.LEOTY	91.11.13	Amphenol FCI		type	
AF	F06-0196	LMU	06.06.20	enr	JM.PHAMVAN	95.02.27			CUSTOMER Drawing	
AG	F-55227	DDE	25.04.02	chr	J.COMPAGNON	95.02.27				
				appd	JM.PHAMVAN	95.02.27				
sheet index	revision sheet									

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
27	2x05	5.72	2.54	10.8
28	2x05	5.72	2.54	10.8
29	2x04	12.7	5.72	20.96
30	2x18	12.7	5.72	20.96
31	2x12	12.7	5.72	20.96
32	2x08	12.7	5.72	20.96
33	2x10	12.7	5.72	20.96
34	2x24	12.7	5.72	20.96
35	2x14	12.7	5.72	20.96
36	2x14	12.7	5.72	20.96
37	2x36	12.7	5.72	20.96
38	2x16	12.7	5.72	20.96
39	2x36	12.7	5.72	20.96
40	2x06	12.7	5.72	20.96



A
 B
 C
 D

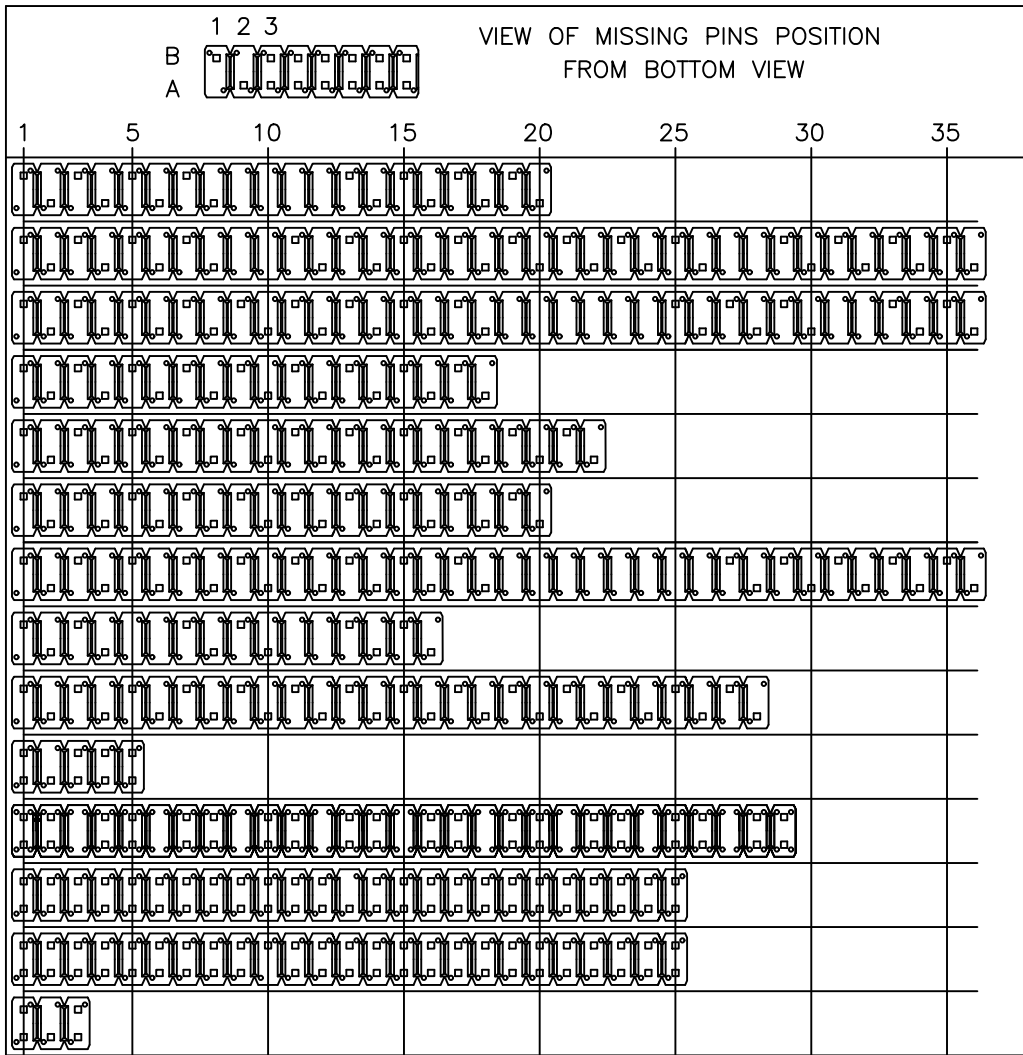
A
 B
 C
 D

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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 <input checked="" type="checkbox"/> ISO 1101		projection 		product family BERGSTIK		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm 		title HEADER STR DR POL DUPLEX 2.54mm		
AB	F40235	JMC	94.02.25	angles	linear	scale 1:1		dwg no		
AC	F30323	JMC	95.02.27					sheet 4 of - size		
AD	F10707	LMU	01.12.03					77314 A3		
AE	F20197	LMU	02.04.16	dr	G.LEOTY	91.11.13	Amphenol FCI		type CUSTOMER Drawing	
AF	F06-0196	LMU	06.06.20	enr	JM.PHAMVAN	95.02.27				
AG	F-55227	DDE	25.04.02	chr	J.COMPAGNON	95.02.27				
				appd	JM.PHAMVAN	95.02.27				
sheet index	revision sheet									

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
41	2x20	12.7	5.72	20.96
42	2x36	12.7	5.72	20.96
43	2x36	12.7	5.72	20.96
44	2x18	12.7	5.72	20.96
45	2x22	12.7	5.72	20.96
46	2x20	12.7	5.72	20.96
47	2x36	12.7	5.72	20.96
48	2x16	12.7	5.72	20.96
49	2x28	12.7	5.72	20.96
50	2x05	5.72	2.54	10.8
51	2x29	5.84	3.42	11.8
52	2x25	5.72	2.54	10.8
53	2x25	12.83	3.03	18.4
54	2x03	5.84	3.42	11.8

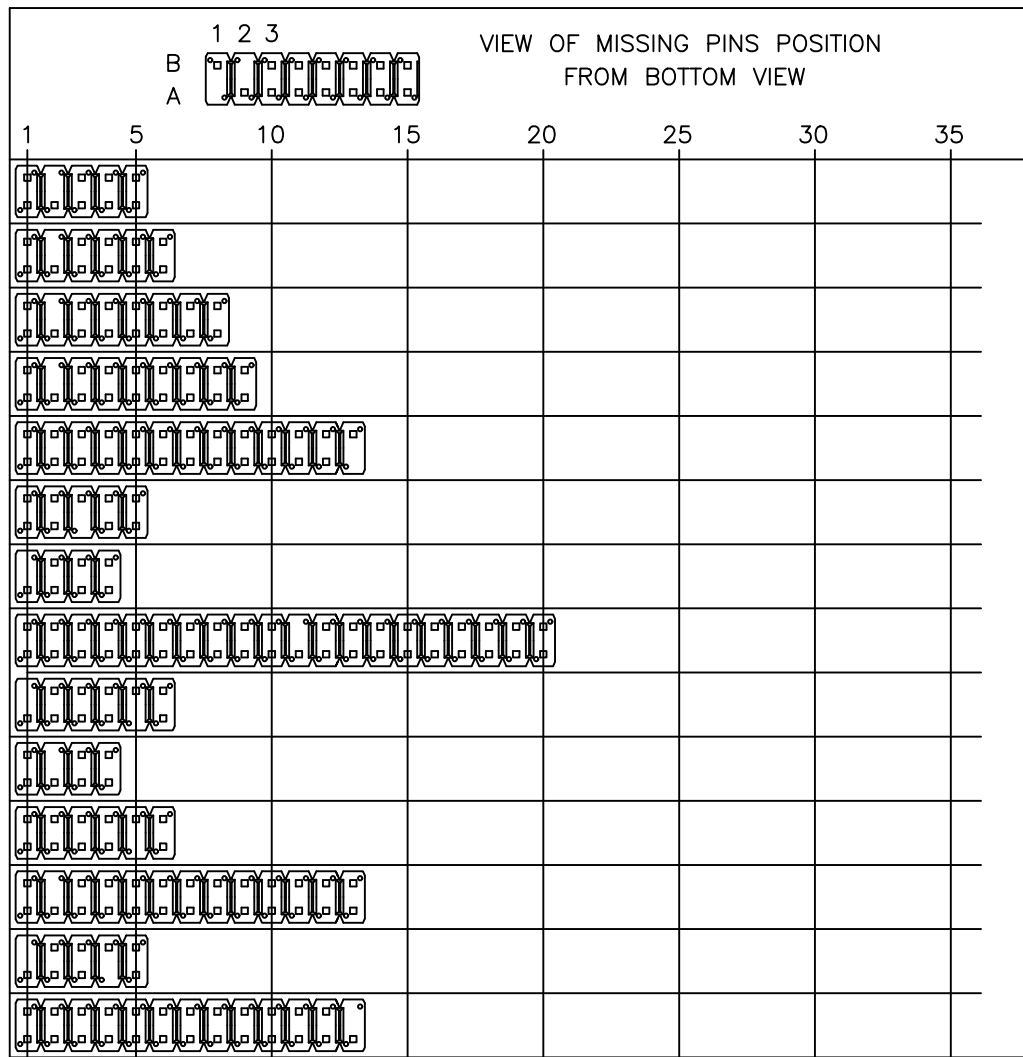


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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/> ISO 406 <input type="checkbox"/> ISO 1101 <input type="checkbox"/>		tolerance tolerances unless otherwise specified		projection 		product family BERGSTIK	
ltr	ecn no	dr	date	angles		mm 		title HEADER STR DR POL DUPLEX 2.54mm	
AB	F40235	JMC	94.02.25	linear		scale 1:1		dwg no	
AC	F30323	JMC	95.02.27					sheet 5 of - size	
AD	F10707	LMU	01.12.03					77314 A3	
AE	F20197	LMU	02.04.16	dr	G.LEOTY	91.11.13		type	
AF	F06-0196	LMU	06.06.20	engr	JM.PHAMVAN	95.02.27		CUSTOMER Drawing	
AG	F-55227	DDE	25.04.02	chr	J.COMPAGNON	95.02.27			
				appd	JM.PHAMVAN	95.02.27			
sheet index	revision sheet								

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
55	2x05	5.84	3.42	11.8
56	2x06	5.84	3.42	11.8
57	2x08	5.84	3.42	11.8
58	2x09	5.84	3.42	11.8
59	2x13	5.84	3.42	11.8
60	2x05	5.84	3.42	11.8
61	2x04	5.72	2.54	10.8
62	2x20	5.72	2.54	10.8
63	2x06	5.72	2.54	10.8
64	2x04	5.84	3.42	11.8
65	2x06	5.72	2.72	10.8
66	2x13	5.84	3.12	11.5
67	2x05	5.72	2.54	10.8
68	2x13	5.84	3.42	11.8

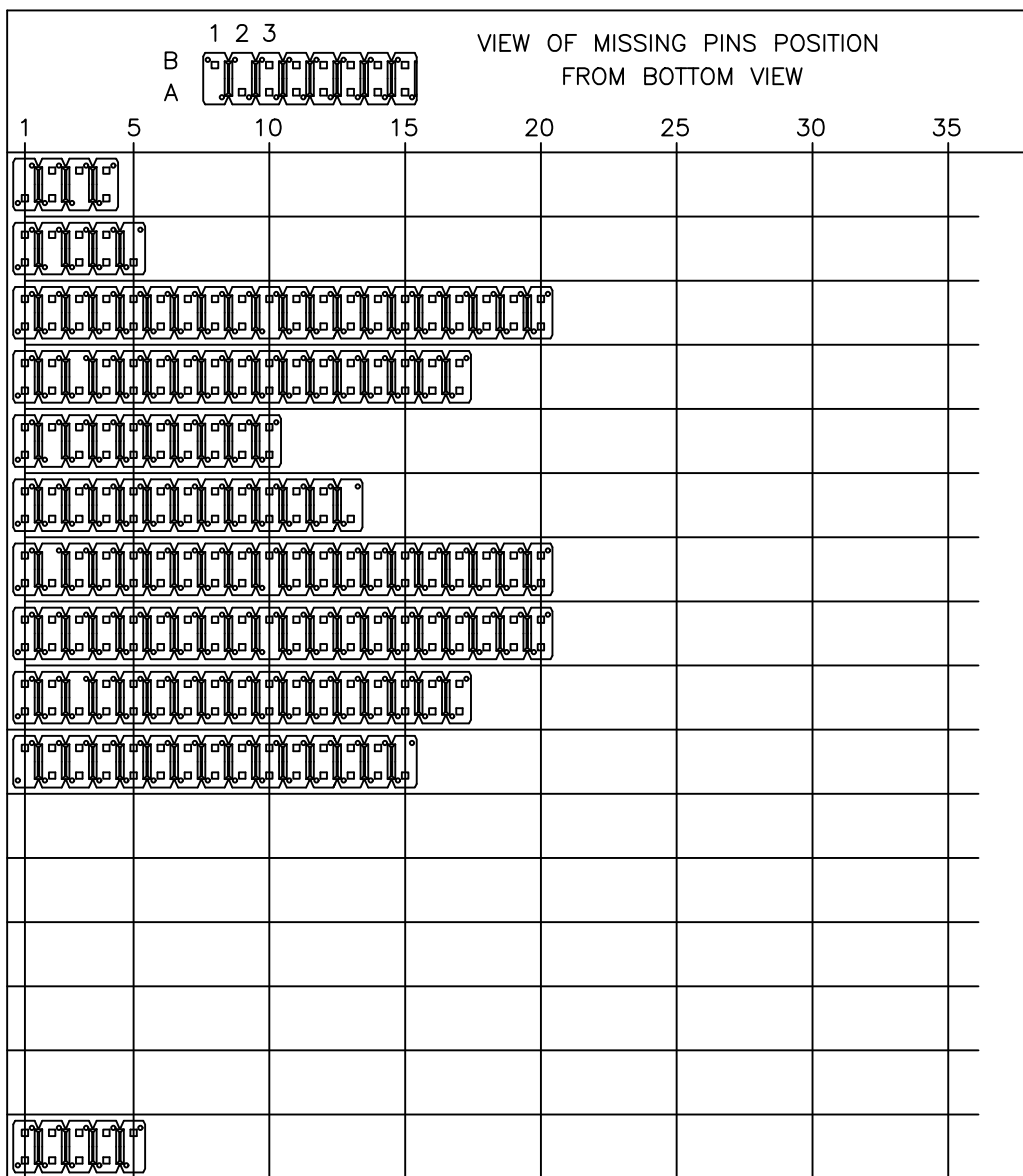


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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/> ISO 406 <input type="checkbox"/> ISO 1101 <input type="checkbox"/>		tolerance tolerances unless otherwise specified		projection 		product family BERGSTIK	
ltr	ecn no	dr	date	angles		mm		title	
AJ	F-55227	DDE	25.04.02	linear		← mm		HEADER STR DR POL DUPLEX 2.54mm	
AD	F70430	JMC	97.06.02			scale 1:1		dwg no	
AE	F00100	LMU	00.01.11	dr	G.LEOTY	91.11.13	sheet 6 of - size		
AF	F10707	LMU	01.12.03	enr	JM.PHAMVAN	95.02.27	77314 A3		
AG	F20197	LMU	02.04.16	chr	J.COMPAGNON	95.02.27	type		
AH	F06-0196	LMU	06.06.20	appd	JM.PHAMVAN	95.02.27	CUSTOMER Drawing		
sheet	revision								
index	sheet								

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
69	2x04	5.72	2.54	10.8
70	2x05	5.72	2.54	10.8
71	2x20	5.72	3.05	11.3
72	2x17	5.72	3.05	11.3
73	2x10	5.72	3.05	11.3
74	2x13	5.72	3.05	11.3
75	2x20	5.72	3.05	11.3
76	2x20	5.72	3.05	11.3
77	2x17	5.72	3.05	11.3
78	2x15	5.84	3.42	11.8
79				
80				
81				
82				
83				
84	2x05	5.72	3.05	11.3



A

B

C

D

A

B

C

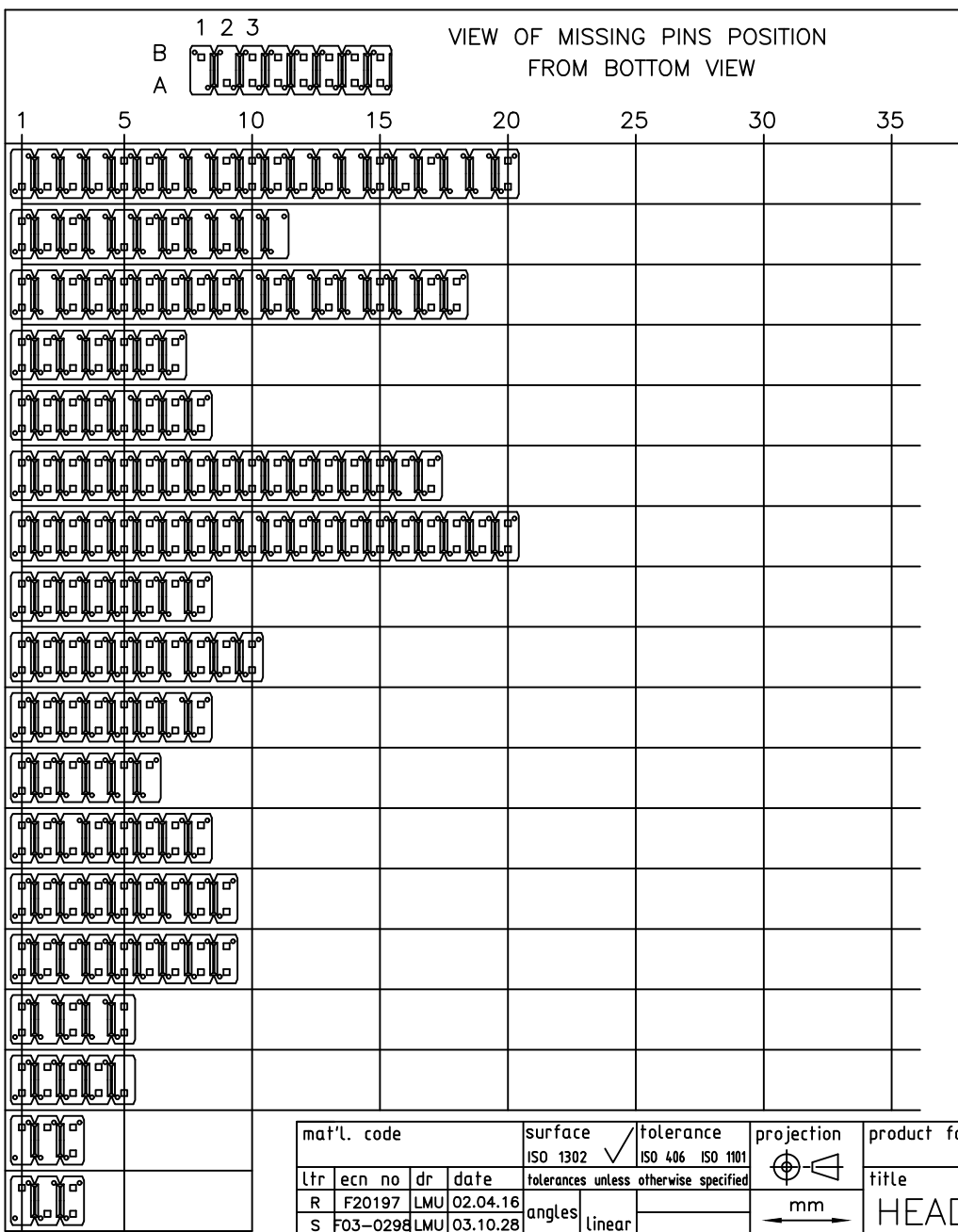
D

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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	tolerances unless otherwise specified		mm		title	
AJ	F06-0196	LMU	06.06.20	angles	linear	scale 1:1		HEADER STR DR POL DUPLEX 2.54mm	
AK	F-55227	DDE	25.04.02					dwg no	
AE	F50625	JMC	95.08.26	dr	G.LEOTY	91.11.13	sheet 7 of - size		
AF	F50916	JMC	95.12.05	enr	J.COMPAGNON	95.12.05	77314 A3		
AG	F10707	LMU	01.12.03	chr			Amphenol FCI		
AH	F20197	LMU	02.04.16	appd	J.COMPAGNON	95.12.05	type CUSTOMER Drawing		
sheet	revision								
index	sheet								

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
85	2x20	5.72	2.54	10.8
86	2x11	5.72	2.54	10.8
87	2x18	5.72	3.05	11.3
88	2x07	5.72	3.05	11.3
89	2x08	5.72	3.05	11.3
90	2x17	6.6	2.66	11.82
91	2x20	6.75	2.90	12.2
92	2x08	5.72	3.05	11.3
93	2x10	5.72	2.54	10.8
94	2x08	5.84	3.05	11.5
95	2x06	5.70	2.93	11.17
96	2x08	8.06	3.00	13.60
97	2x09	5.84	3.05	11.50
98	2x09	5.84	3.05	11.50
99	2x05	15.36	3.05	20.95
AA	2x05	5.90	2.36	10.80
AB	2x03	9.20	3.05	14.80
AC	2x03	9.20	3.05	14.80

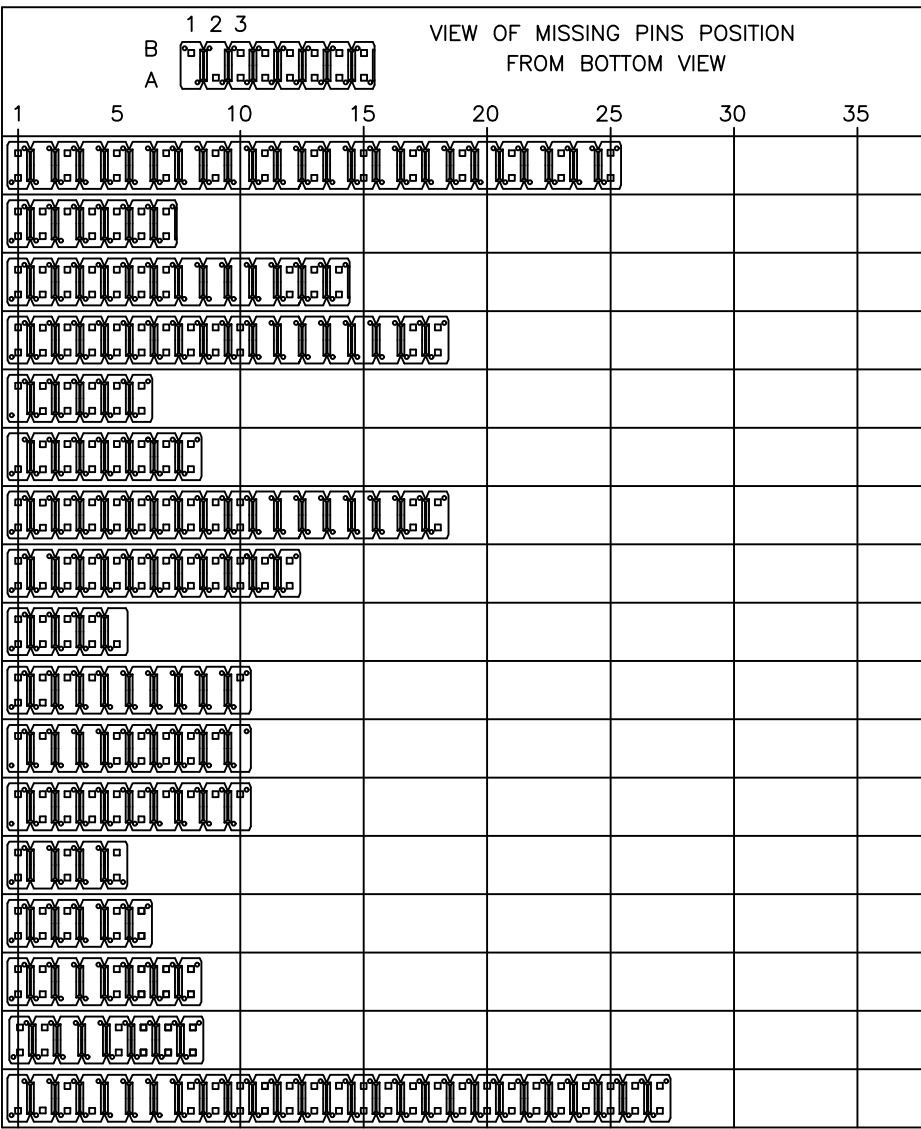


mat'l. code		surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
R	F20197	LMU	02.04.16	angles linear	HEADER STR DR
S	F03-0298	LMU	03.10.28		POL DUPLEX 2.54mm
T	F04-0137	LMU	04.02.12		dwg no
U	F06-0117	LMU	06.01.30	dr	O.MATHEVON 96.08.28
V	F06-0196	LMU	06.06.20	engr	J.COMPAGNON 96.08.28
W	F09-0218	LMU	09.11.16	chr	J.COMPAGNON 96.08.28
X	F-55227	DDE	25.04.02	appd	J.COMPAGNON 96.08.28
sheet	revision				
index	sheet				



77314
CUSTOMER Drawing

PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
AD	2x25	7.75	3.05	13.35
AE	2x07	5.72	3.05	11.30
AF	2x14	5.84	2.41	10.80
AG	2x18	5.72	3.05	11.30
AH	2x06	6.75	2.90	12.20
AJ	2x08	5.84	3.42	11.80
AK	2x18	7.00	3.05	12.59
AL	2x12	5.84	3.05	11.43
AM	2x05	5.84	3.05	11.43
AN	2x10	10.95	3.05	16.55
AP	2x10	10.95	3.05	16.55
AR	2x10	10.95	3.05	16.55
AS	2x05	5.84	3.05	11.43
AT	2x06	15.76	3.50	21.80
AU	2x08	15.76	3.50	21.80
AV	2x08	11.76	3.50	17.80
AW	2x27	3.35	2.71	8.60



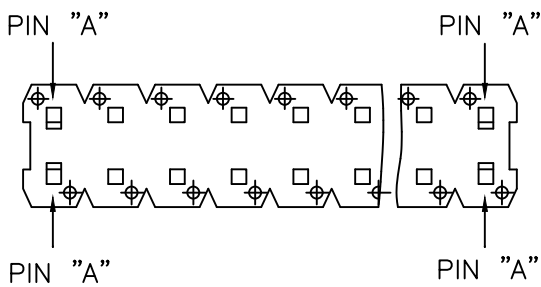
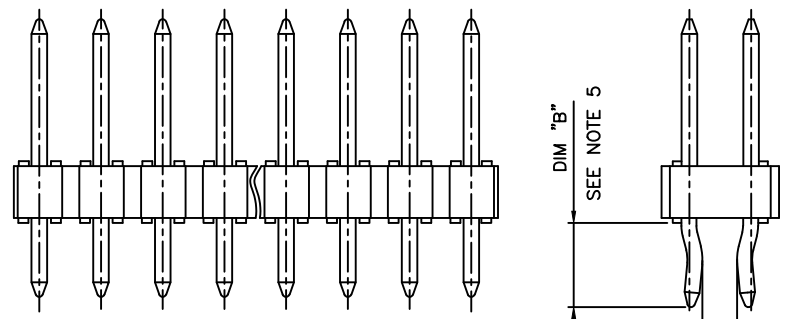
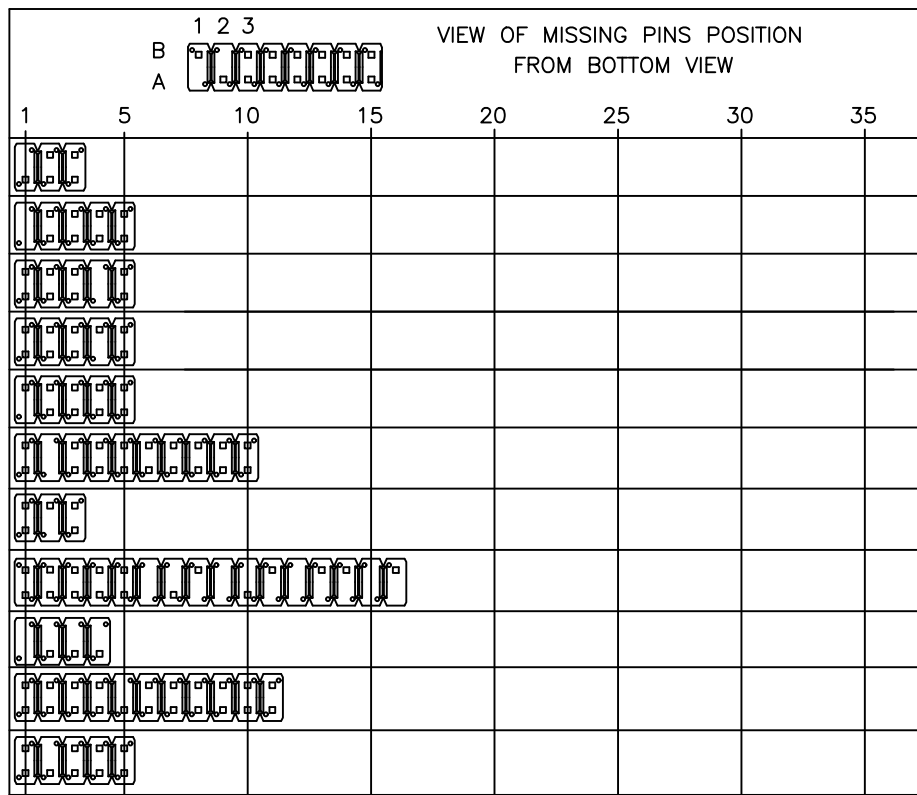
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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/> ISO 406 ISO 1101		tolerance tolerances unless otherwise specified		projection		product family BERGSTIK	
L	F-40013	dr	23.01.23	angles linear		mm		title HEADER,STR,DR POL DUPLEX 2.54mm	
M	F-47772	DDE	23.03.15			scale N/A		dwg no 77314 sheet 9 of size A3	
N	F-55227	DDE	25.04.02					type CUSTOMER Drawing	
sheet index		revision sheet		dr J.COMPAGNON 95.08.26		engr J.COMPAGNON 95.08.26		appd J.COMPAGNON 95.08.26	



PIN STYLE	PRODUCT DEFINITION			
	POS	MATING SIDE ±0.2	SOLDER SIDE ±0.25	("OAL") REF
AX	2x03	5.84	3.05	11.43
AY	2x05	5.86	2.00	10.40
BA	2x06	6.00	2.95	11.50
BB	2x05	7.70	3.00	13.24
BC	2x05	7.70	3.00	13.24
BD	2x10	7.70	3.00	13.24
BE	2x03	7.70	3.00	13.24
BF	2x16	3.91	3.05	9.50
BG	2x04	8.40	2.30	13.24
BH	2x11	5.96	3.00	11.50
BJ	2x05	5.72	3.05	11.30



NOTES:

- 1 - PART NUMBER 77314--YXXRLF
- 2 - PINS "A" AND "B" USED FOR RETENTION.
- 3 - DIRECTION OF RETENTION SHOWN BY ARROWS.
- 4 - KINKED LEGS LOCATION CAN BE MOVED IF A PIN IS MISSING.
- 5 - RETENTION VERSION ONLY AVAILABLE WHEN DIM "B" IS BETWEEN 3 AND 3.5mm.
- 6 - 2 AND 3 POSN KINKED HEADER ARE NOT AVAILABLE.

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection mm		product family BERGSTIK		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title HEADER,STR,DR POL DUPLEX 2.54mm		
A	F-40013	DDE	23.01.23	angles	linear	scale N/A		dwg no		
B	F-47772	DDE	23.03.15					sheet 10 of		
C	F-50714	DDE	24.02.09					size A3		
D	F-51166	LMU	24.04.05	dr	L.MULIN	10.04.30	Amphenol FCI		77314	
E	F-55227	DDE	25.04.02	engr	J.COMPAGNON	10.04.30	type CUSTOMER		Drawing	
				chr						
				appd	J.COMPAGNON	10.04.30				
sheet index	revision sheet									