

PRODUCT NUMBER

77312-YXX-LF

RoHS COMPATIBLE
SEE NOTE 7

PACKAGING SEE NOTE 8

PIN STYLE

PLATING SEE SHEET 2

NOTES:

1. HOUSING MAT'L : 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

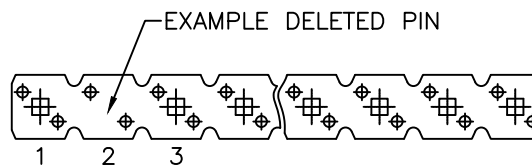
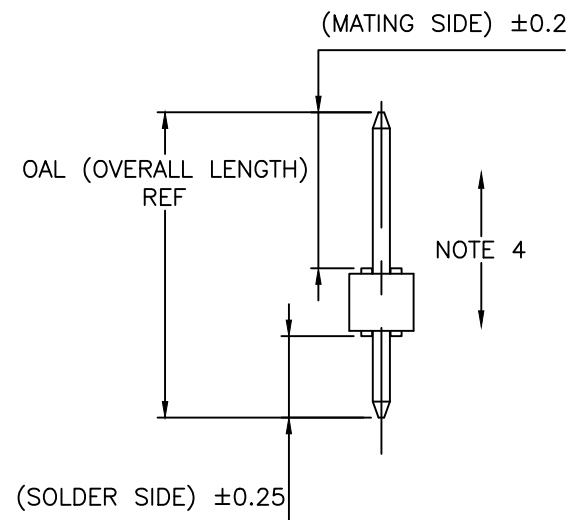
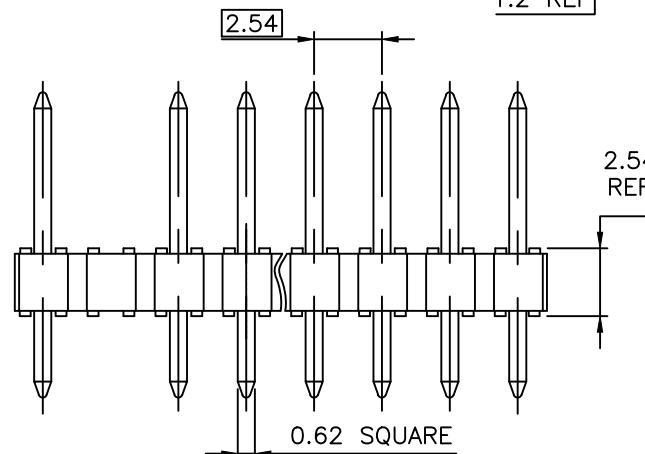
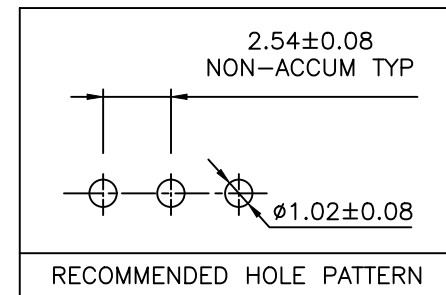
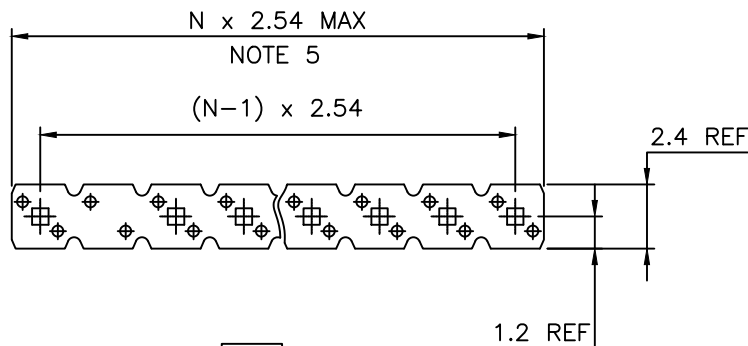
d - LEGAL STATEMENT: SEE GS-47-0004

8. PACKAGING

BLANK = POLYBAGS

KV = TAPE&REEL PACKAGING WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART. ONLY P/N 77312-496KVLF

A = TAPE&REEL PACKAGING WITH PICK UP CAP AS AVAILABLE



BOTTOM VIEW

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



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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	

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
S	B-18917	LMU	14.09.26	angles	linear		HEADER,SR,STR,
T	B-21118	LMU	15.06.10			scale 1:1	POL,DUPLEX,2.54mm
U	F-47087	DDE	23.01.20				dwg no
		dr	COMPAGNON J	95.01.11			sheet 2 of -
N	F06-0196	LMU	06.06.20	engr	JMC	95.10.27	77312
P	F08-0148	RTR	08.03.31	chr			A3
R	B-17773	LMU	14.05.26	appd	JMC	95.10.27	type
sheet	revision						CUSTOMER
index	sheet						Drawing

A

B

C

D

A

B

C

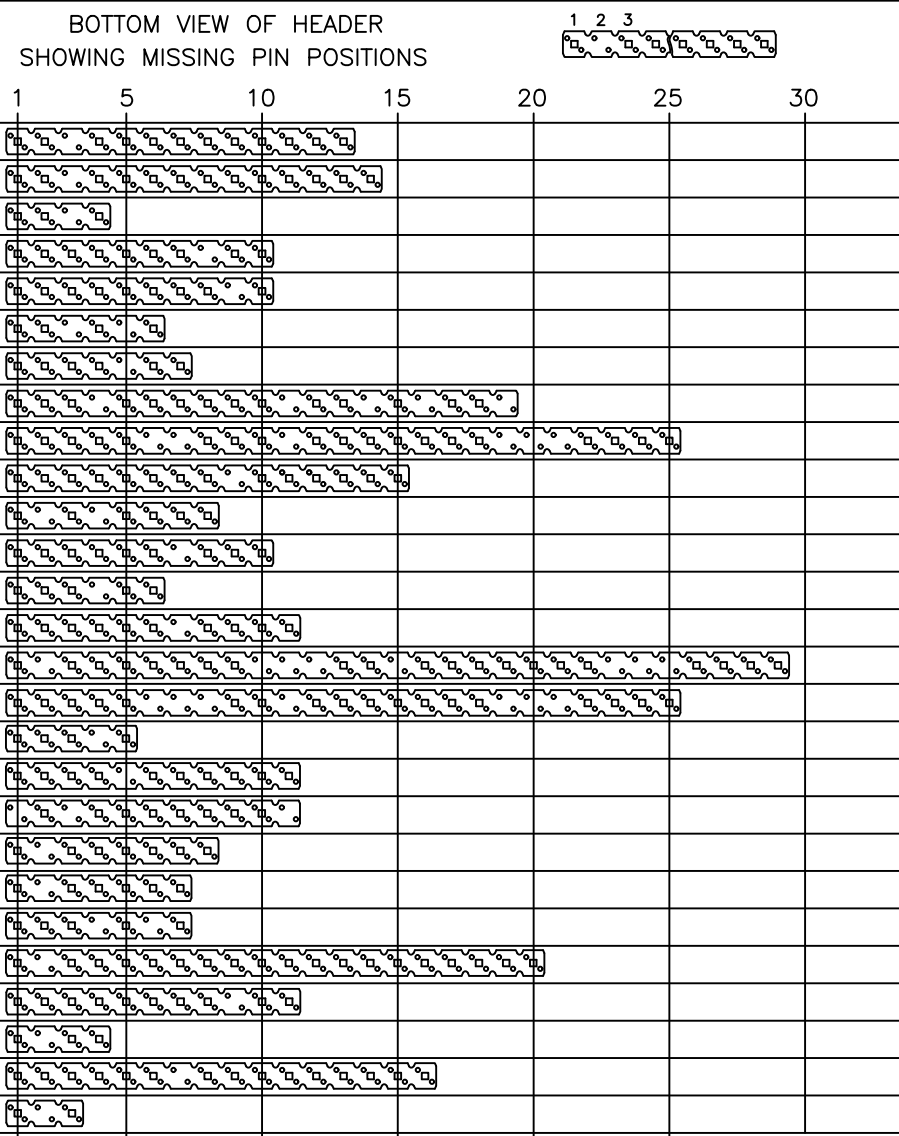
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PIN STYLE	PRODUCT DEFINITION			
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL") REF
23	1x 13	5.84	3.42	11.8
24	1x 14	5.84	3.42	11.8
25	1x 4	5.84	3.42	11.8
26	1x 10	5.84	3.42	11.8
27	1x 10	5.84	3.42	11.8
28	1x 6	5.72	2.54	10.8
29	1x 7	5.84	3.42	11.8
30	1x 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



mat'l. code				surface ☒ ISO 1302 ☐ ISO 406 ☐ ISO 1101		tolerance ☐ ISO 406 ☐ ISO 1101		projection		product family BERGSTIK	
ltr ecn no dr date				tolerances unless otherwise specified		angles linear		mm		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 dr COMPAGNON J 95.10.11										sheet 3 of - size	
N F11-0034 LMU 11.03.03 engr JMC 95.10.27										77312 A3	
				chr						type CUSTOMER Drawing	
				appd JMC 95.10.27							
sheet index		revision sheet									



A

B

C

D

A

B

C

D

PIN STYLE	PRODUCT DEFINITION				BOTTOM VIEW OF HEADER SHOWING MISSING PIN POSITIONS										1 2 3									
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL") REF	1	5	10	15	20	25	30	35	1	5	10	15	20	25	30	35				
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																				

mat'l. code				surface		tolerance		projection		product family	
				ISO 1302		ISO 406 ISO 1101				BERGSTIK	
ltr ecn no dr date				tolerances unless otherwise specified				mm		title	
S F10355 LMU 01.06.25				angles linear						HEADER,SR,STR,	
T F10707 LMU 01.11.28										POL,DUPLEX,2.54mm	
U F06-0196 LMU 06.06.20								scale N/A		dwg no	
V F11-0034 LMU 11.03.03				dr		COMPAGNON J		95.10.11		sheet 4 of	
W F11-0045 LMU 11.04.06				engr		JMC		95.10.27		size	
X F11-0329 LMU 11.11.17				chr						A3	
Y B-16703 LMU 14.01.09				appd		JMC		95.10.27		type	
sheet index		revision sheet								CUSTOMER Drawing	

PIN STYLE	PRODUCT DEFINITION				BOTTOM VIEW OF HEADER SHOWING MISSING PIN POSITIONS							
	NB OF POS	MATING SIDE	SOLDER SIDE	("OAL") REF	1	5	10	15	20	25	30	35
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								

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title HEADER,SR,STR, POL,DUPLEX,2.54mm			
H	F-28244	DDE	17.09.20	angles	linear					
J	F-47087	DDE	23.01.20			scale N/A	dwg no 77312			
				dr	L.MULIN	14.05.26				
				enr	JMC	14.05.26	sheet 5 of A3			
F	F-25332	DDE	16.11.15	chr						
G	F-25396	LMU	16.11.21	app	05.26	95.10.27	type CUSTOMER			
sheet	revision									
index	sheet									