

PRODUCT NUMBER

77316-YXXLF

RoHS COMPATIBLE, SEE NOTE 7

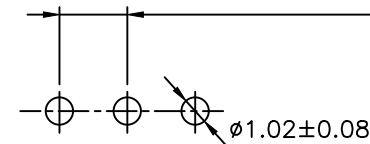
PIN STYLE, SEE SHEET 2  
(AS AVAILABLE)

PLATING, SEE SHEET 2  
(AS AVAILABLE)

**EXTENDED RANGE**

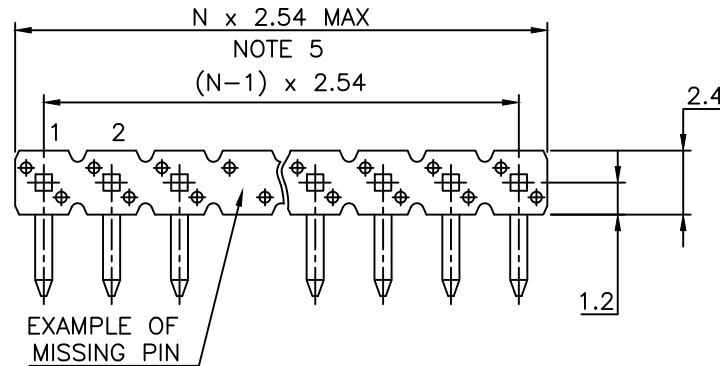
- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND

2.54±0.08  
NON-ACCUM TYP



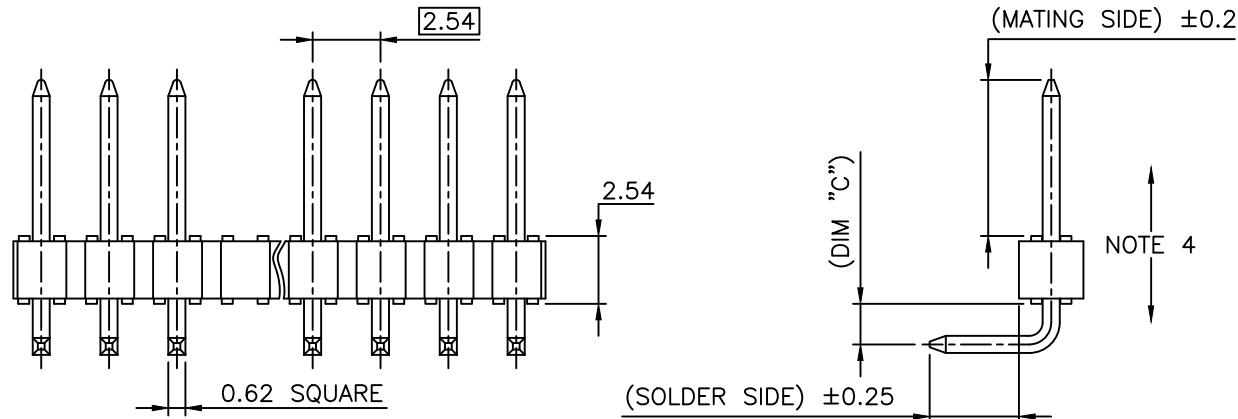
RECOMMENDED HOLE PATTERN

TOP VIEW



NOTES:

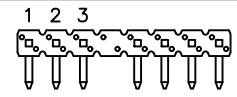
- 1 - HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- 2 - PIN MATERIAL: PHOSPHOR BRONZE
- 3 - PRODUCT PACKAGED IN POLY BAGS
- 4 - 9N MIN RETENTION IN EITHER DIRECTION
- 5 - TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE: 8 POS N x 2.54 = 20.32mm
- 6 - UNDERPLATING: 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 - 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.
- 9 - 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				BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
AP	B-26203	JCA	17.02.28	.X ±0.3				UNSHR HEADER	
AR	F-28530	LMU	17.10.24	.XX ±0.15		scale 5:1		RA SR TMT POL	
AS	F-47092	DDE	23.01.23	.XXX ±0.05				dwg no	
AT	F-55228	DDE	25.04.02	dr				sheet 1 of 4	
				enr		J.COMPAGNON		96.04.09	
				chr		J.COMPAGNON		96.04.09	
				appd		J.COMPAGNON		96.04.09	
sheet	revision	AT	X	AJ	C				
index	sheet	1	2	3	4				



PIN STYLE	NB OF POS	PRODUCT DEFINITION			TOP VIEW OF HEADER SHOWING MISSING PIN POSITIONS							
		"MATING SIDE" ±0.2	"SOLDER SIDE" ±0.35	"C" REF	1	5	10	15	20	25	30	35
01	1x5	5.72	2.57	1.4								
02	1x6	5.72	2.57	1.4								
03	1x6	5.72	5.11	3.94								
04	1x21	5.72	3.45	1.4								
06	1x5	5.72	2.57	1.4								
07	1x3	5.72	3.45	1.4								
08	1x21	5.72	3.45	1.4								
10	1x13	5.72	3.45	1.4								
17	1x7	5.72	3.45	1.4								
18	1x10	5.72	3.45	1.4								
20	1x12	5.84	2.29	1.4								
21	1x12	5.72	2.57	1.4								
22	1x8	5.72	3.45	1.4								
23	1x6	5.72	3.45	1.4								
26	1x6	5.72	3.45	1.4								
27	1x6	5.72	3.45	1.4								
28	1x9	5.72	3.45	1.4								
29	1x4	5.72	3.45	1.4								
30	1x13	5.72	3.45	1.4								
31	1x7	5.72	3.45	1.4								
32	1x10	5.72	3.45	1.4								
33	1x9	5.72	3.45	1.4								
34	1x5	5.72	3.45	1.4								
35	1x15	5.72	2.57	1.4								



A

A

B

B

C

C

D

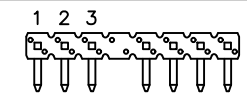
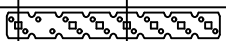
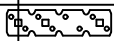
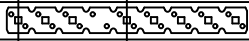
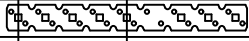

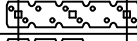


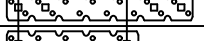
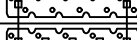
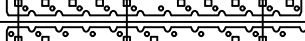


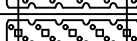
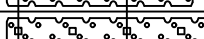

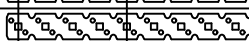
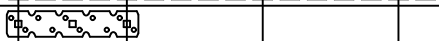


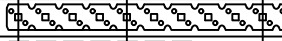

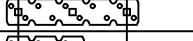




D

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77316-GXXLF	0.76µm GXT FULL PLATED	
77316-9XXLF	0.2µm Au / GXT	2.0-7.5 Sn MATTE
77316-8XXLF	0.38µm Au/GXT	2.0-7.5 Sn MATTE
77316-4XXLF	2.0-7.5 Sn MATTE	
77316-2XXLF	1.27µm Au	2.0-7.5 Sn MATTE
77316-1XXLF	0.76µm Au/GXT 2.0-7.5 Sn MATTE	
PLATING CODE	CONTACT AREA	REMAINDER
	PLATING THICKNESS OVER 1.27µm Ni	


mat'l. code		surface		tolerance		projection		product family	
SEE P/N		ISO 1302 ✓		ISO 406 ISO 1101				BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
R	F06-0207	LMU	06.07.27	.X ±0.3		←		UNSHR HEADER	
S	F08-0148	RTR	08.03.31	.XX ±0.15				RA SR TMT POL	
T	F11-0052	LMU	11.04.22	.XXX ±0.05		scale N/A		dwg no	
U	B-18916	LMU	14.09.29	dr	O.MATHEVON	96.04.09		sheet 2 of 4	
V	F-24542	AMA	16.07.20	enfr	J.COMPAGNON	96.04.09		size	
W	F-47092	DDE	23.01.23	chr	J.COMPAGNON	96.04.09		77316	
X	F-55228	DDE	25.04.02	appd	J.COMPAGNON	96.04.09		A3	
sheet		revision						type	
index		sheet						CUSTOMER Drawing	

PIN STYLE	NB OF POS	PRODUCT DEFINITION			TOP VIEW OF HEADER SHOWING MISSING PIN POSITIONS	
		"MATING SIDE" ±0.2	"SOLDER SIDE" ±0.35	"C" REF	1 5 10 15 20 25 30 35	
36	1x08	3.05	5.00	1.4		
37	1x04	6.75	2.85	1.4		
38	1x09	5.72	2.54	1.4		
39	1x09	5.72	2.54	1.4		
40	1x36	5.72	2.57	1.4		
41	1x05	5.72	3.45	1.4		
42	1x03	5.72	3.45	1.4		
43	1x12	3.10	4.00	1.4		
44	1x07	5.00	4.00	1.4		
45	1x05	14.20	3.20	1.4		
46	1x11	6.75	2.85	1.4		
47	1x18	5.72	2.57	1.4		
48	1x03	11.70	2.80	1.5		
49	1x05	10.00	3.45	1.5		
50	1x07	5.72	3.45	1.4		
51	1x13	5.84	3.05	1.4		
52	1x09	10.00	3.45	1.5		
53	1x16	2.54	4.70	1.5		
54	1x05	3.05	2.52	7.61		
55	1x16	5.84	7.37	1.52		
56	1x10	5.84	7.37	1.52		
57	1x17	2.54	4.70	1.5		
58	1x07	8.08	3.05	1.5		
59	1x05	17.00	3.00	1.52		
60	1x03	3.50	3.05	1.52		
61	1x11	3.50	3.05	1.52		
62	1x03	14.50	5.00	1.52		

SEE NOTE 1

NOTES :

1. FOR PIN STYLE 62 ONLY, PIN MATERIAL USED IS CuFe2P

mat'l. code SEE P/N		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	title
AG	F-25362	DDE	16.11.16	angles linear	UNSHR HEADER RA SR TMT POL
AH	B-26203	JCA	17.02.28	.X ±0.3	
AJ	F-55228	DDE	25.04.02	.XX ±0.15 .XXX ±0.05	
		dr	O.MATHEVON	96.04.09	dwg no
AD	B-19156	LMU	14.10.22	engr J.COMPAGNON	sheet 3 of 4
AE	F-24542	AMA	16.07.20	chr J.COMPAGNON	size
AF	F-25333	DDE	16.11.15	appd J.COMPAGNON	96.04.09
sheet	revision				Amphenol FCI
index	sheet				77316
					type CUSTOMER
					Drawing

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PIN STYLE	NB OF POS	PRODUCT DEFINITION			TOP VIEW OF HEADER SHOWING MISSING PIN POSITIONS	
		"MATING SIDE" ±0.2	"SOLDER SIDE" ±0.35	"C" REF	1 2 3	
63	1x07	5.72	5.11	3.9		
64	1x22	5.72	3.05	1.5		
65	1x20	5.72	3.05	1.5		
66	1x05	3.10	3.10	1.5		
67	1x05	20.00	3.05	1.85		
68	1x08	3.50	3.05	1.52		

A

A

B

B

C

C

D

D

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mat'l. code SEE P/N		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK	
A	F-28530	LMU	17.10.24	tolerances unless otherwise specified		mm		title UNSHR HEADER RA SR TMT POL	
B	F-47092	DDE	23.01.23	angles	linear	.X ±0.3 .XX ±0.15 .XXX ±0.05		dwg no 77316	
C	F-55228	DDE	25.04.02			scale N/A		sheet 4 of 4 size A3	
				dr	L.MULIN	17.10.24		Amphenol FCI	
				enr	L.MULIN	17.10.24		type CUSTOMER Drawing	
				chr					
				appd	A.SOUDY	17.10.24			
sheet index	revision sheet								