

PRODUCT NUMBER
77311-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

RoHS COMPATIBLE
SEE NOTE 6

TOTAL NB OF POSITIONS 01 TO 36

OPTION LETTER SEE NOTE 7

PRODUCT NUMBER (BERGSTRIK PACKAGING)
77311-YXX-00LF

PLATING

1= 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS

8= 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS

4= 2.0µm TIN MIN FULL PLATED

1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6

POSITIONS PER REEL : 00=36,000 (BERGSTRIK)

PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
18	5.84	3.05	11.43
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.66	11.8

NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- BERGSTIK PRODUCT PACKAGED IN POLYBAGS. BERGSTRIK PRODUCT PACKAGED PER REELS.
- 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. 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.
- REFLOW COMPATIBLE

c - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

d - LEGAL STATEMENT: SEE GS-47-0004

7. OPTIONS : - = POLYBAG PACKAGING

T = TUBE PACKAGING WITHOUT PICK UP CAP

K = TAPE & REEL PACKAGING, WITHOUT PICK UP CAP
ONLY FOR P/N 77311-462K04(LF) AND 77311-462K05(LF)

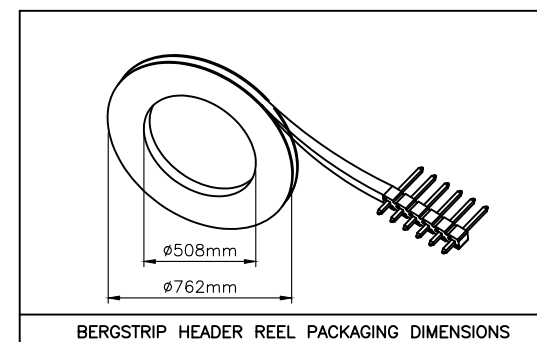
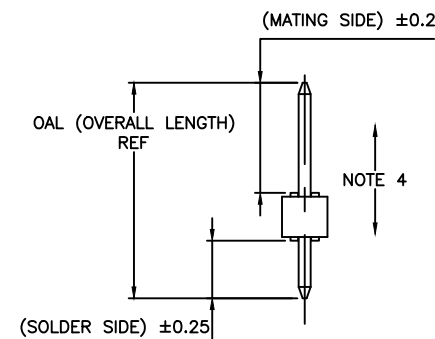
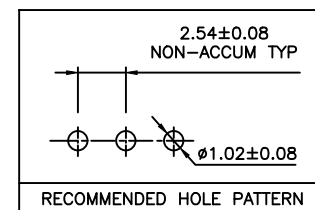
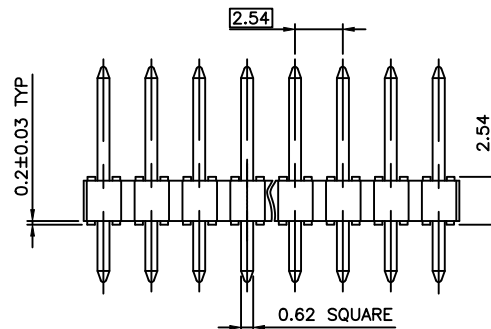
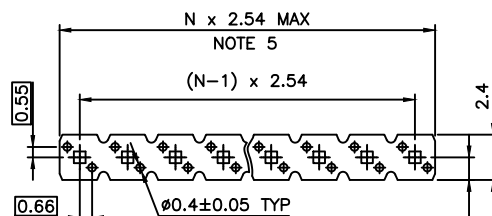
KC = TAPE & REEL PACKAGING WITHOUT PICK UP CAP AND WITH HIGH RETENTION FEATURES

KV = TAPE & REEL PACKAGING WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART
ONLY FOR P/N 77311-462KV04LF

C = HIGH RETENTION FEATURES, SEE SHEET 2

R = RETENTION FEATURES, SEE SHEET 2
IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED
OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH
EXAMPLE : 77311R424T03LF

V = BLIBOX PACKAGING FOR CUSTOMER DEDICATED PART. ONLY FOR 77311-4BNV01LF



mat'l. code SEE NOTES				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK									
lfr		ecn no		dr		date		tolerances unless otherwise specified		title									
CN		F-26241		LMU		17.03.01		angles linear .X ±0.3 .XX ±0.15 .XXX ±0.05 mm scale 5:1		UNSHR.HEADER STR SR TMT									
CP		F-28243		DDE		17.09.21													
CR		F-28445		DDE		17.11.10													
CS		F-29484		DDE		18.03.08		dr		D.LE		01.01.24		dwg no		sheet 1 of 3		size	
								enrg		JM.C		01.01.24		Amphenol FCI		77311		A3	
CL		F-24977		DDE		16.09.20		chr		JM.C		01.01.24							
CM		F-25890		LMU		17.01.11		appd		JF.N		01.01.24							
sheet		revision		CS		BX		H											
index		sheet		1		2		3											
						4								5					

PLATING

- 1 = 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- 4 = 2µm TIN MIN FULL PLATED
- 5 = 0.25µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- 8 = 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- G = 0.76µm FULL GXT
- S = 0.38µm FULL GXT
- T = 2µm TIN MIN FULL PLATED INCLUDED PIN TYP
 - 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

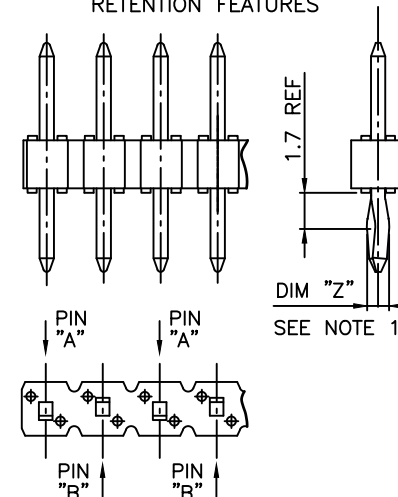
RETENTION FEATURES :

- PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99)
PART NUMBER 77311-XXXCXXLF: DIM "Z"= 1.05MIN -1.15MAX
- PINS "A" AND "B" USED FOR RETENTION.
- DIRECTION OF RETENTION SHOWN BY ARROWS.
- ON 4 TO 36 POSITIONS HEADER; RETENTION IS IN MID POSITION OF HEADER (4 CENTRAL PINS)
- FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.
- HOUSING MATERIAL FOR P/N 77311-4AJC03LF & 77311-TAJC03LF HIGH TEMPERATURE THERMOPLASTIC UL94V-0 COLOR : NATURAL

PLATING SPECIFICATIONS :

- ONLY FOR PLATING 1XX, 8.0MM GOLD / GXT PLATING AREA FROM PIN TYPE ON MATING SIDE

RETENTION FEATURES



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			
BU	B-20596	AMA	15.03.30	angles	linear				UNSHR.HEADER STR SR TMT				
BV	F-22085	LMU	15.10.05										
BW	F-22100	AMA	15.10.08										
BX	F-26241	LMU	17.03.01	dr	D.LE	01.01.24		Amphenol FCI	dwg no		sheet 2 of 3		size
				enrg	JM.C	01.01.24			77311		A3		
BS	B-20169	BVE	15.02.12	chr	JM.C	01.01.24			type CUSTOMER Drawing				
BT	B-20497	BVE	15.03.18	appd	JF.N	01.01.24							
sheet	revision												
index	sheet												

PRODUCTS SPECIFICATIONS			
PIN	STYLE	MATING	OAL
01		5.84	2.41
02		5.84	3.42
03		5.72	5.09
05		5.72	10.14
08		5.72	17.78
15		8.51	2.55
18		5.84	3.05
19		12.83	3.03
20		15.37	3.04
22		7.75	3.05
24		6.75	2.9
25		8.51	3.18
27		6.6	2.65
26		15.57	2.84
29		17.5	3.46
32		10.3	3.05
38		5.84	3.82
39		11.2	3.05
46		8.08	2.98
54		8.08	3.81
58		14.47	3.05
62		13.5	3.05
70		6.54	3.50
83		20.46	3.00
85		5.72	8.51
87		6.98	3.05
91		5.6	10.21
92		5.65	12.76
93		6.00	4.81
94		15.60	3.20
95		10.00	8.45
96		10.95	3.05
97		9.00	3.55
98		3.00	1.35
99		24.00	3.05
AA		5.72	15.24
AB		N/A	

NOTE 7

PRODUCTS SPECIFICATIONS			
PIN	STYLE	MATING	OAL
AC		7.21	3.05
AD		17.53	3.43
AE		4.99	2.80
AF		5.72	3.05
AG		5.84	4.95
AH		14.31	3.20
AJ		8.90	3.40
AK		25.06	3.00
AL		3.30	3.30
AM		9.26	3.05
AN		7.60	4.40
AP		7.80	3.30
AR		18.86	2.41
AS		11.91	1.45
AT		4.60	4.60
AU		12.10	3.10
AV		6.30	6.30
AW		9.16	1.80
AX		5.08	2.43
AY		7.49	3.47
BA		8.08	2.75
BB		10.80	2.15
BC		8.08	3.81
BD		10.10	2.16
BE		13.65	2.41
BF		2.54	5.32
BG		4.98	1.85
BH		4.69	2.41
BJ		7.21	6.15
BK		6.86	2.65
BL		17.70	3.25
BM		10.96	3.70
BN		19.46	3.00
BP		8.80	3.20
BR		19.46	4.00

NOTE 6

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			
H	F-29484	DDE	18.03.08	angles		linear		mm		UNSHR.HEADER			
								scale N/A		STR SR TMT			
C	F-24496	AMA	16.07.13							dwg no			
D	F-25890	LMU	17.01.11	dr		A.MA		15.10.08		sheet 3 of 3			
E	F-26241	LMU	17.03.01	enr		L.MU		15.10.08		size			
F	F-28243	DDE	17.09.21	chr		J.CO		15.10.08		77311			
G	F-28445	DDE	17.11.10	appd		A.SO		15.10.08		type			
sheet				revision						CUSTOMER			
index				sheet						Drawing			

Mouser Electronics

Authorized Distributor

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