

PRODUCT NUMBER
77311-YYX-XXLF

ROHS COMPATIBLE
SEE NOTE 6

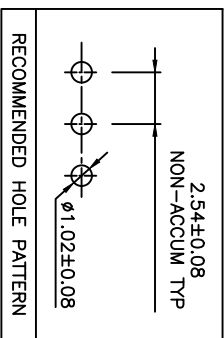
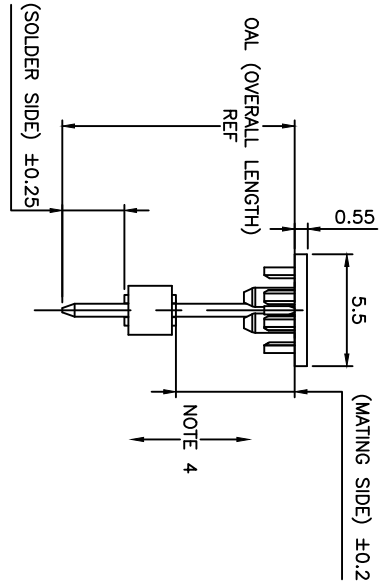
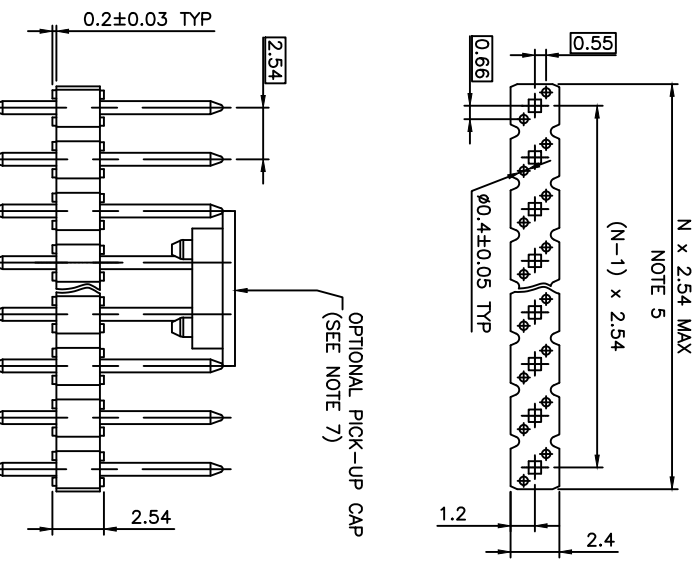
TOTAL NB OF POSITIONS 01 TO 36
OPTION LETTER SEE SHEET 2

PRODUCT NUMBER (BERGSTRIIP PACKAGING)
77311-YYX-00LF

INDICATES THE PRODUCT IS ROHS
COMPATIBLE, SEE NOTE 6
POSITIONS PER REEL : 00=36,000 (BERGSTRIIP)

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

- PLATING
- 1= 0.76um GOLD/GRT ON CONTACT AREA, 2um TIN MIN ON TAILS
 - 8= 0.38um GOLD/GRT ON CONTACT AREA, 2um TIN MIN ON TAILS
 - 4= 2.0um TIN MIN FULL PLATED
 - 1.27um NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

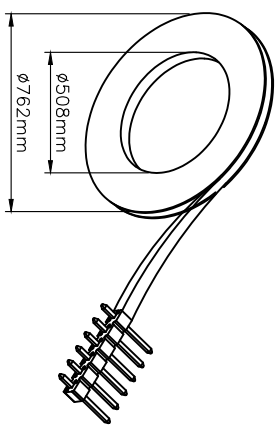


NOTES:

1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
2. PIN MATERIAL : PHOSPHOR BRONZE
3. BERGSTRIIP PRODUCT PACKAGED IN POLYBAGS. BERGSTRIIP PRODUCT PACKAGED PER REELS.
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. ROHS COMPATIBLE PRODUCT SPECIFICATIONS

d - PLATING:

- "L.F." MEANS THE PRODUCT IS LEAD-FREE, 2um MINIMUM MATTE TIN OVER 1.27um 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



BERGSTRIIP HEADER REEL PACKAGING DIMENSIONS

mat'l. code	SEE NOTES	surface	tolerance	projection	product family
1tr	ecn no dr ddt	ISO 1302	ISO 406 ISO 1101	mm	BERGSTRIIP
CW	F-38159 DDE 20.08.26	tolerances unless otherwise specified	X ±0.3	mm	UNSHR.HEADER
CX	F-39392 DDE 20.12.18	angles	.xx ±0.15	mm	STR SR TMT
CS	F-29484 DDE 18.03.08 dr	D.I.E	01.01.24	mm	
CT	F-31328 LMU 18.09.20 engr	J.M.C	01.01.24	mm	
CU	F-33636 LMU 19.05.22 chr	J.M.C	01.01.24	mm	
CV	F-35304 LMU 19.11.04 oppd	J.F.N	01.01.24	mm	
sheet	revision CX BY M				
index	sheet 1 2 3				

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)
 - A = TAPE & REEL PACKAGING, WITH PICK UP CAP. AS AVAILABLE
 - 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
 - AV = TAPE & REEL PACKAGING WITH PICK UP CAP FOR CUSTOMER DEDICATED PART
 - C = HIGH RETENTION FEATURES, SEE SHEET 2
 - V = BLIBOX PACKAGING FOR CUSTOMER DEDICATED PART. ONLY FOR 77311-4BNV01LF
 - R = RETENTION FEATURES, SEE BELOW
- IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED
OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH
EXAMPLE : 77311R424T03LF

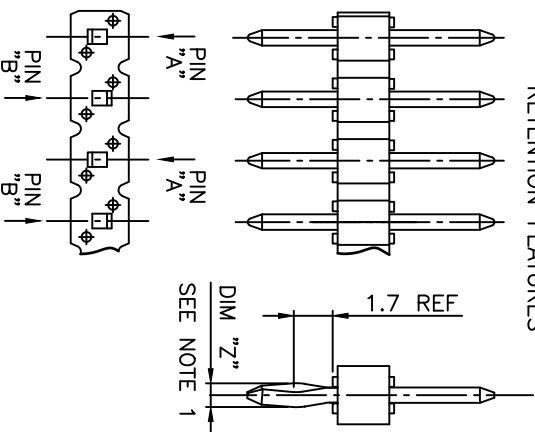
RETENTION FEATURES :

- 1 - PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99)
PART NUMBER 77311-XXXXXXLF: DIM "Z" = 1.05MIN -1.15MAX
 - 2 - PINS "A" AND "B" USED FOR RETENTION.
 - 3 - DIRECTION OF RETENTION SHOWN BY ARROWS.
 - 4 - ON 4 TO 36 POSITIONS HEADER, RETENTION IS IN MID POSITION OF HEADER (4 CENTRAL PINS)
 - 5 - FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.
 - 6 - HOUSING MATERIAL FOR P/N 77311-4AUC03LF & 77311-TAUC03LF HIGH TEMPERATURE THERMOPLASTIC UL94V-0 COLOR : NATURAL
- PLATING SPECIFICATIONS :
- 7 - ONLY FOR PLATING 1XX, 8.0MM GOLD / GXT PLATING AREA FROM PIN TYPE ON MATING SIDE

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



Form: A3

1

2

PDS: Rev: CX

STATUS: Released

Printed: Dec 18, 2020

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6

mat'l. code	ecn no	dr	date	surface	tolerance	projection	product family	title
BU	B-20596	AMA	15.03.30	ISO 1302	ISO 406 ISO 1101	mm	BERGSTIK	UNSHR.HEADER
BV	F-22085	LMU	15.10.05	tolerances unless otherwise specified	linear	mm	STR SR TMT	77311
BW	F-22100	AMA	15.10.08			scale N/A		
BX	F-26241	LMU	17.03.01		D.LE	01.01.24		Amphenol FCI
BY	F-39392	DDE	20.12.18		JM.C	01.01.24		77311
BT	B-20497	BVE	15.03.18		JM.C	01.01.24		77311
sheet revision					JF.N	01.01.24		Customer
index sheet								Drawing

PRODUCTS SPECIFICATIONS

PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
03	5.72	5.09	13.35
05	5.72	10.14	18.4
08	5.72	17.78	26.04
11	5.72	5.94	14.20
15	8.51	2.55	13.6
18	5.84	3.05	11.43
19	12.83	3.03	18.4
20	15.37	3.04	20.95
22	7.75	3.05	13.35
24	6.75	2.9	12.2
25	8.51	3.18	14.22
27	6.6	2.65	11.8
26	15.57	2.84	20.95
29	17.5	3.46	23.5
32	10.3	3.05	15.9
38	5.84	3.82	12.2
39	11.2	3.05	16.8
46	8.08	2.98	13.6
54	8.08	3.81	14.43
58	14.47	3.05	20.06
62	13.5	3.05	19.09
70	6.54	3.50	12.57
83	20.46	3.00	26.00
85	5.72	8.51	16.76
87	6.98	3.05	12.57
91	5.6	10.21	18.35
92	5.65	12.76	20.95
93	6.00	4.81	13.35
94	15.60	3.20	21.25
95	10.00	8.45	20.95
96	10.95	3.05	16.55
97	9.00	3.55	15.09
98	3.00	1.35	6.84
99	24.00	3.05	29.50
AA	5.72	15.24	23.50
AB		N/A.08	2.79

PRODUCTS SPECIFICATIONS

PIN STYLE	MATING	SOLDER	OAL
AC	7.21	3.05	12.80
AD	17.53	3.43	23.50
AE	4.99	2.80	10.33
AF	5.72	3.05	11.30
AG	5.84	4.95	13.33
AH	14.31	3.20	20.05
AJ	8.90	3.40	14.85
AK	25.06	3.00	30.80
AL	3.30	3.30	9.14
AM	9.26	3.05	14.85
AN	7.60	4.40	14.47
AP	7.80	3.30	13.60
AR	18.86	2.41	23.81
AS	11.91	1.45	15.90
AT	4.60	4.60	11.61
AU	12.10	3.10	17.70
AV	6.30	6.30	15.10
AW	9.16	1.80	13.50
AX	5.08	2.43	10.05
AY	7.49	3.47	13.50
BA	8.08	2.75	13.37
BB	10.80	2.15	15.50
BC	8.08	3.81	14.43
BD	10.10	2.16	14.80
BE	13.65	2.41	18.60
BF	2.54	5.32	10.40
BG	4.98	1.85	9.23
BH	4.69	2.41	9.50
BJ	7.21	6.15	15.90
BK	6.86	2.65	12.05
BL	17.70	3.25	23.50
BM	10.96	3.70	16.20
BN	19.46	3.00	25.00
BP	8.80	3.20	14.50
BR	19.46	4.00	26.00
BS	5.72	11.05	19.30
BT	8.50	5.36	16.40
BU	3.80	3.80	10.14
BV	5.08	2.79	10.40
BW	7.36	2.30	12.20

NOTE 6

PRODUCTS SPECIFICATIONS

PIN STYLE	MATING	SOLDER	OAL
BX	2.67	3.43	8.60
BY	11.90	3.05	17.50

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406 ISO 1101		BERGSTIK

thr	ecn no	dr	date	tolerances unless otherwise specified	angles	linear	mm	scale	N/A
H	F-29484	DDE	18.03.08						
J	F-31328	LMU	18.09.20						
K	F-33636	LMU	19.05.22						
L	F-35304	LMU	19.11.04	AMA					
M	F-38159	DDE	20.08.26	engr					
G	F-28445	DDE	17.11.10	pppd					

sheet	revision	chr	J.CO	AMA	15.10.08	15.10.08	15.10.08	Amphenol FCI	77311	sheet 3 of 3	size	A3
index	sheet			A.SO	15.10.08				CUSTOMER	Drawing		

UNSHR.HEADER
STR SR TMT

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