

PRODUCT NUMBER

77311-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

WHEN REQUIRED, ADD SUFFIX LETTER "LF"
INDICATES THE PRODUCT IS 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 POLY BAGS. BERGSTRIK PRODUCT PACKAGED PER REELS.
- 9N MIN RETENTION IN EITHER DIRECTION

- TO DETERMINE DIMENSIONS :
N = NUMBER OF POSITIONS PER ROW
EXAMPLE : 8 POS N x 2.54 = 20.32mm
- 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-22-008

7. OPTION LETTER :

T = TUBE PACKAGING WITHOUT PICK UP CAP

K = TAPE & REEL PACKAGING, WITHOUT PICK UP CAP

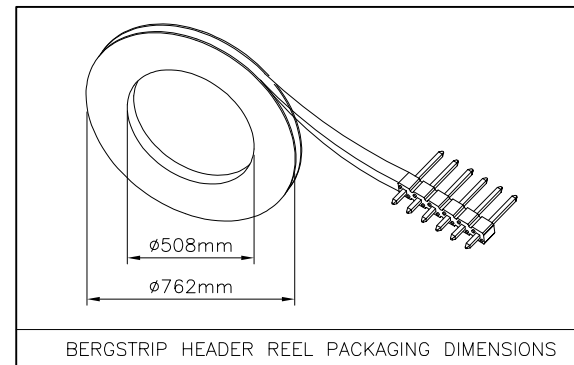
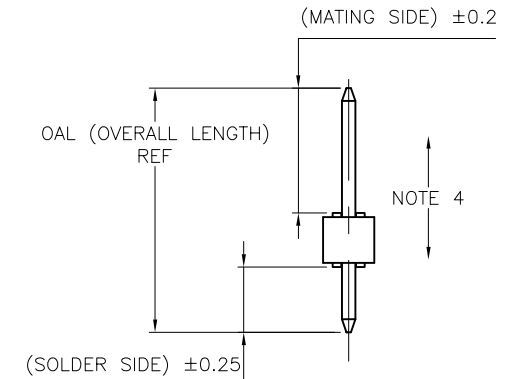
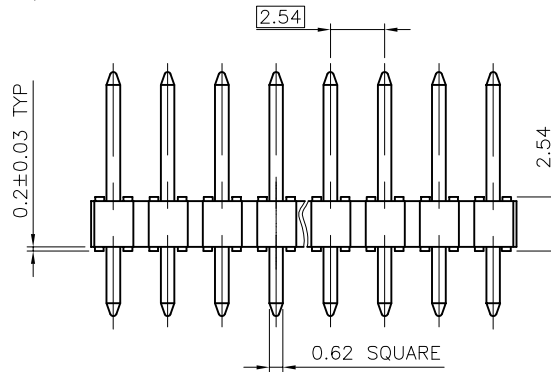
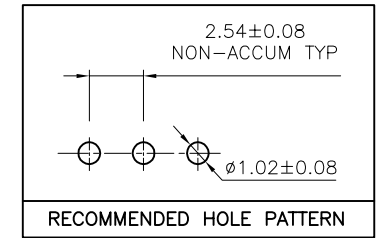
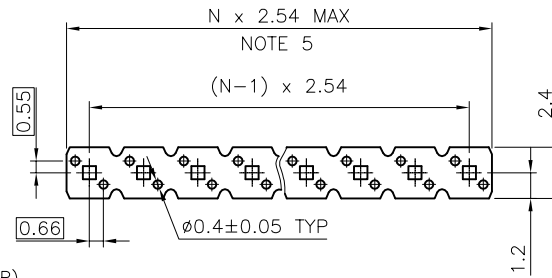
ONLY FOR P/N 77311-462K04(LF) AND 77311-462K05(LF)

C = HIGHT 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



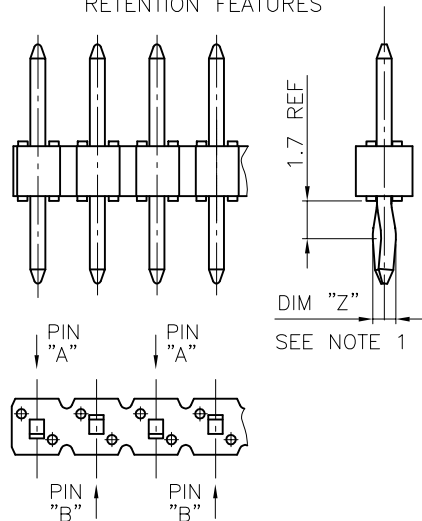
mat'l. code	surface	tolerance	projection	product family
SEE NOTES	ISO 1302 ✓	ISO 406 ISO 1101		BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified
BP	F11-032	LMU	12.01.25	angles linear .x ±0.3
BR	F12-0032	LMU	12.05.04	.xx ±0.15
BS	F12-0816	LMU	12.10.18	.xxx ±0.05
BT	F16661	JCO	14.01.06	dr D.LE 01.01.24
				enr JM.C 01.01.24
BM	F10-009	LMU	11.06.20	chr JM.C 01.01.24
BN	F11-0307	LMU	11.09.26	appd JF.N 01.01.24
sheet	revision	BT	BK	
index	sheet	1	2	

title	UNSHR.HEADER STR SR TMT
product family	BERGSTIK
dwg no	77311
sheet 1 of 2	size A3
type	CUSTOMER Drawing

PLATING

- 1 = 0.76µm GOLD/GXT ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
- 4 = 3.81µm TIN-LEAD ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
- 8 = 0.38µm GOLD/GXT ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
- G = 0.76µm FULL GXT
- S = 0.38µm FULL GXT
- 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS
- WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL PROVIDED INSTEAD OF TIN-LEAD

RETENTION FEATURES



RETENTION FEATURES :

- 1 - PART NUMBER 77311-XXXXRXXLF: DIM "Z"=(0.99)
PART NUMBER 77311-XXXXCXXLF: 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 77311-4AJC03LF ONLY:
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

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
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
58	14.47	3.05	20.06
62	13.5	3.05	19.09
70	6.54	3.50	12.57

PRODUCTS SPECIFICATIONS			
PIN STYLE	MATING	SOLDER	OAL
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		
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

NOTE 7

NOTE 6

mat'l. code		surface	tolerance	projection	product family
ltr ecn no dr date		ISO 1302	ISO 406 ISO 1101		BERGSTIK
BD F10-0091 LMU 11.05.23		tolerances unless otherwise specified			title
BE F11-0074 JCO 11.06.20		angles	linear	mm	UNSHR.HEADER
BF F11-0307 LMU 11.09.26				scale N/A	STR SR TMT
BG F11-0320 LMU 12.01.25		dr	D.LE	01.01.24	dwg no
BH F12-0032 LMU 12.05.04		enrg	JM.C	01.01.24	sheet 2 of - size
BJ F12-0816 LMU 12.10.18		chr	JM.C	01.01.24	77311 A3
BK B-16661 JVO 14.01.06		appd	JF.N	01.01.24	type CUSTOMER Drawing
sheet index	revision sheet				