

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

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
 - PLATING:
 - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
 - 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.
 - LABELING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
 - LEGAL STATEMENT: SEE GS-47-0004

7. OPTION LETTER :

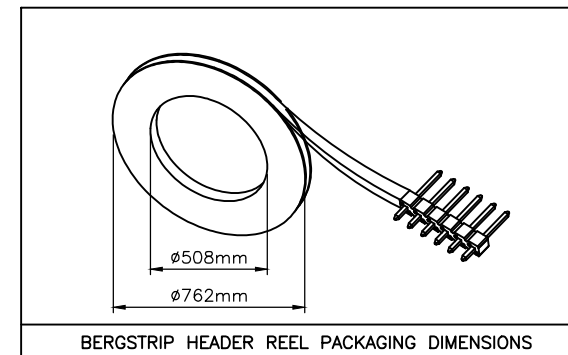
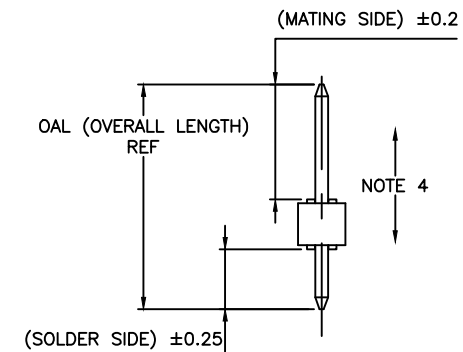
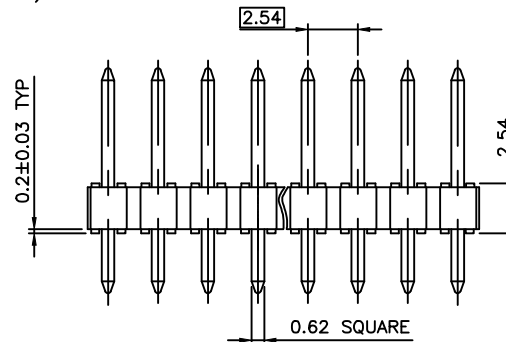
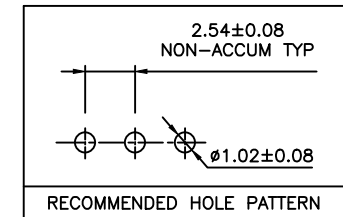
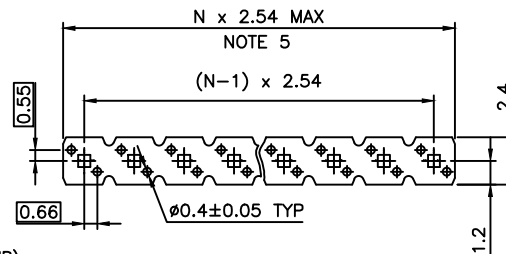
T = TUBE PACKAGING WITHOUT PICK UP CAP

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

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

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	title
BX	B-18917	LMU	14.09.26	UNSHR.HEADER
				STR SR TMT
BS	F12-0816	LMU	12.10.18	dwg no
BT	F16661	JCO	14.01.06	sheet 1 of 2
BU	B-17952	LMU	14.06.13	size
BV	B-18847	LMU	14.09.18	77311
BW	B-18876	LMU	14.09.23	A3
				type
				CUSTOMER
				Drawing
sheet	revision	BX	BP	
index	sheet	1	2	

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

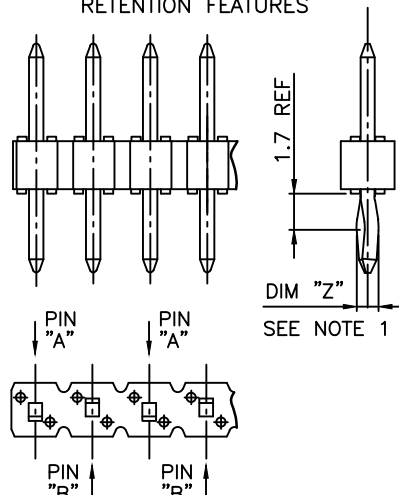
8 = 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL

G = 0.76µm FULL GXT

S = 0.38µm FULL GXT

- 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

RETENTION FEATURES



RETENTION FEATURES :

- PART NUMBER 77311-XXXRXXLF: 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 ONLY:
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

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	30.8
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

NOTE 7

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
BL B-17952 LMU 14.06.13				angles	linear	mm	UNSHR.HEADER
BM B-18847 LMU 14.09.18							STR SR TMT
BN B-18876 LMU 14.09.23						scale N/A	
BP B-18917 LMU 14.09.26				dr	D.LE		dwg no
				enr	JM.C		sheet 2 of - size
BJ F12-0816 LMU 12.10.18				chr	JM.C		77311 A3
BK B-16661 JVO 14.01.06				appd	JF.N		type CUSTOMER Drawing
sheet index	revision	sheet					

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[77311-120-22LF](#) [77311-899-03LF](#) [77311-185-04LF](#) [77311-415-14LF](#) [77311-419-10LF](#) [77311-403-36LF](#) [77311-103-16LF](#) [77311-G01-09LF](#) [77311-132-11LF](#) [77311-415-13LF](#) [77311-487-02LF](#) [77311-487-08LF](#) [77311-146-06LF](#) [77311-883-20LF](#) [77311-194-04LF](#) [77311-439-06LF](#) [77311-439-05LF](#) [77311-197-03LF](#) [77311-487-06LF](#) [77311-832-10LF](#) [77311-195-10LF](#) [77311-132-20LF](#) [77311-146-08LF](#) [77311-195-14LF](#) [77311-126-20LF](#) [77311-4AC-03LF](#) [77311-487-05LF](#) [77311-105-01LF](#) [77311-427T03LF](#) [77311-819-02LF](#) [77311-146-01LF](#) [77311-127T03LF](#) [77311-132-16LF](#) [77311-483-04LF](#) [77311-415-12LF](#) [77311-146C16LF](#) [77311-425-02LF](#) [77311-839-36LF](#) [77311-SAE-36LF](#) [77311-425-04LF](#) [77311-4AJC03LF](#) [77311-139-12LF](#) [77311-1AA-36LF](#) [77311-446-03LF](#) [77311-170-01LF](#) [77311-129-28LF](#) [77311-185-03LF](#) [77311-105-04LF](#) [77311-420-02LF](#) [77311-101T03LF](#) [77311-462K03LF](#) [77311-170-12LF](#) [77311-492-04LF](#) [77311-1AG-36LF](#) [77311-103-10LF](#) [77311-494-12LF](#) [77311-185-02LF](#) [77311-GAE-36LF](#) [77311-192-36LF](#) [77311-162-09LF](#) [77311-139-15LF](#) [77311-422R03LF](#) [77311-146R16LF](#) [77311-420-36LF](#)