

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[77311-101-06LF](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

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PRODUCT NUMBER
77311-YXX-XXLF

PLATING SEE SHEET 2
RoHS COMPATIBLE SEE NOTE 6

PIN STYLE SEE SHEET 2
TOTAL NB OF POSITIONS 01 TO 36 OPTION LETTER SEE NOTE 7

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

PLATING
INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6

1= 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS
POSITIONS PER REEL : 00=36,000 (BERGSTRIK)

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 POLYBAGS. 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.
 - REFLOW COMPATIBLE
 - c - LABELING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
 - d - 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 CUSTOMER DEDICATED PART 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 1902	ISO 406	ISO 1101	BERGSTIK
Ltr	ecn no	dr	date	title
CF	F-22085	LMU	15.10.05	UNSHR.HEADER STR SR TMT
CG	F-22100	AMA	15.10.08	
CH	F-22133	AMA	15.10.12	dwg no
CJ	F-23581	AMA	16.03.22	sheet 1 of 3
CK	F-24496	AMA	16.07.13	size
CE	B-20596	AMA	15.03.30	A3
sheet index	revision	CK	BW	c
1	2	3		

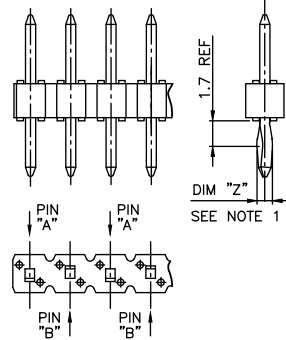
PLATING

- 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 :

- 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 77311-4AJC03LF & 77311-TAJC03LF 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

RETENTION FEATURES



mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO 1101		mm		BERGSTIK	
ltr ecn no dr date		tolerances unless otherwise specified		angles linear		scale N/A		title	
BU B-20596 AMA 15.03.30								UNSHR.HEADER	
BV F-22085 LMU 15.10.05								STR SR TMT	
BW F-22100 AMA 15.10.08								dwg no sheet 2 of 3 size	
BR B-19692 JCO 14.12.09 engr		D.I.E		01.01.24		FCI		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		revision		revision		revision			
index sheet		sheet		sheet		sheet			

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
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

NOTE 7

PRODUCTS SPECIFICATIONS

PIN STYLE	MATING	SOLDER	OAL
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
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

NOTE 6

mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO 1101				BERGSTIK	
ltr		ecn no		dr		date		title	
A		F-22100		AMA		15.10.08		UNSHR.HEADER	
B		F-22133		AMA		15.10.12		STR SR TMT	
C		F-24496		AMA		16.07.13		77311	
		dr		A.MA		15.10.08		dwg no	
		enrg		L.MU		15.10.08		sheet 3 of 3	
		chr		J.CO		15.10.08		size	
		appd		A.SO		15.10.08		A3	
sheet index		revision sheet						type	
								CUSTOMER Drawing	



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