



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRODUCT NUMBER

5 4 1 0 1 - X X X - X X - X X X X LF

PLATING
 S= 15μm [0.38μm] GOLD ON CONTACT AREA (NOTE 16)
 100μm [2.54μm] TIN ON TAIL.
 G= 30μm [0.76μm] GOLD ON CONTACT AREA (NOTE 16)
 100μm [2.54μm] TIN ON TAIL.
 T= 100-160μm [2.54-4.04μm] TIN ON CONTACT AREA AND ON TAIL (SEE NOTE 11 & 15)

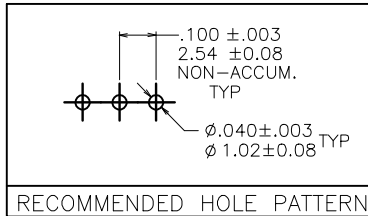
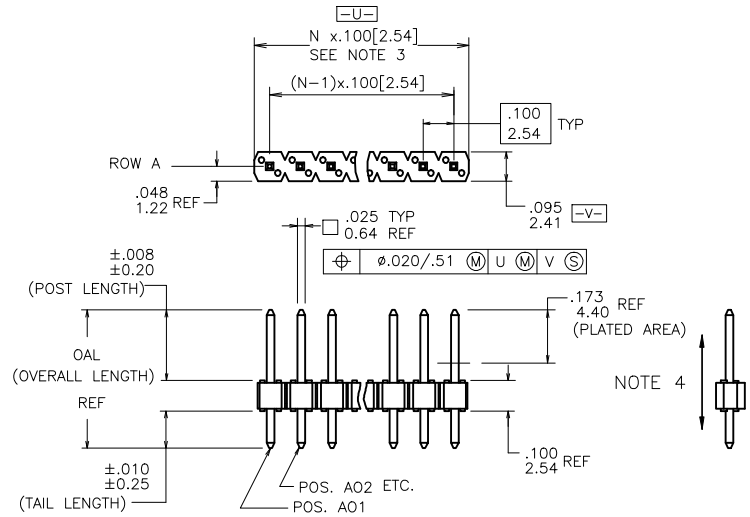
BERGSTIK POSITIONS PER ROW 01 TO 36 NOTE 10
 BERGSTRIIP POSITIONS PER REEL 00=36,000 PIN STYLES 5, 6, 8, 10, 30, 32 ONLY.

RETENTION R=RETENTIVE LEG NOTE 5 & 7

POLARIZATION NOTE 7 & 9

LEAD FREE NOTE 12 & 13

PIN STYLE	POST	TAIL	OAL
05	0.230/5.84	0.095/2.41	0.425/10.80
06	0.230/5.84	0.110/2.79	0.440/11.18
08	0.230/5.84	0.120/3.05	0.450/11.43
10	0.230/5.84	0.150/3.81	0.480/12.19
12	0.230/5.84	0.300/7.62	0.630/16.00
30	0.318/8.08	0.120/3.05	0.538/13.67
32	0.318/8.08	0.150/3.81	0.568/14.43
34	0.318/8.08	0.212/5.38	0.630/16.00



mat'l code SEE NOTES 1 & 2		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
lir	ec'n no	dr	date	angles	linear
N	M06-0346	MHT	9/04/06	0°±2'	linear
P	M07-0247	AGS	5/28/07		
R	M07-0337	MHT	7/23/07		
S	M07-0361	MHT	8/14/07	dr	D. INGRAM 05/10/99
T	M08-0237	MHT	8/25/08	engr	H.SUNDY 07/15/99
U	M08-0279	MHT	9/30/08	chr	H.SUNDY 07/15/99
V	M09-0090	MHT	6/19/09	appd	H.SUNDY 07/15/99
sheet	revision	V	V		
index	sheet	1	2		

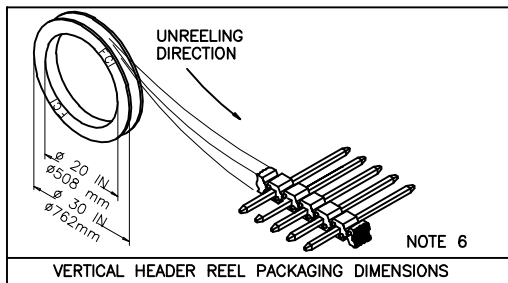
file
 .100 UNSHROUDED HDR.
 S/R VERT. THRU HOLE
 scale 1:1
 dwg no 54101 sheet 1 of 2 size A3
 type Product Customer Drawing

NOTES:

- ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0, COLOR: BLACK
OR
MINERAL FILLED LCP FLAME RETARDENT
PER UL-94V-0. COLOR: BLACK.
- ② PIN MATERIAL: PHOSPHOR-BRONZE
- ③ TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW.
EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- ④ 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION.
- ⑤ RETENTIVE LEG APPLICABLE TO TAIL LENGTH .120/3.05 ONLY. (4 PINS PER PART HAVE RETENTION)
5LB/2.3KG MAX INSERTION FORCE AND .25LB./1KG MIN RETENTION FORCE PER RETENTIVE PIN
USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE LOCATION
AT THE DISCRETION OF THE MANUFACTURER. IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT
NUMBER, 1x2 OR 1x3 PARTS NOT REFERENCED.
- ⑥ BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIIP PACKAGED PER REEL.
- ⑦ POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIIP.
- ⑧ UNDERPLATING: 50μ"/1.27μm Ni.
- ⑨ FOR POLARIZATION SPECIFY POSITION NUMBER (i.e.. A03=ROW A POS. 3)
TO OMIT PIN.
IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT
NUMBER.
- ⑩ POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD
AS CLOSE AS 36 POSITION.
- ⑪ PIN TIPS ON TIN PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
- ⑫ PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
- ⑬ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 14. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW
OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE OR
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm
MINIMUM THICK CIRCUIT BOARD.
- ⑮ "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."
- ⑯ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

Cross Reference

CORE RANGE	EXTENDED RANGE
77311-101-XXLF	54101-G05XXLF
77311-801-XXLF	54101-S05XXLF
77311-118-XXLF	54101-G08XXLF
77311-818-XXLF	54101-S08XXLF



mat'l. code SEE NOTES 1 & 2		surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn no	dr	date	title .100 UNSHROUDED HDR. S/R VERT. THRU HOLE	
v				linear	scale 1:1
				angles	
				0°±2'	
				dr	D.INGRAM 05/10/99
				engr	H.SUNDY 07/15/99
				chr	H.SUNDY 07/15/99
				appd	H.SUNDY 07/15/99
sheet	revision				dwg no 54101
index	sheet				sheet 2 of 2 size A3
					type Product Customer Drawing



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