

PRODUCT NUMBER

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

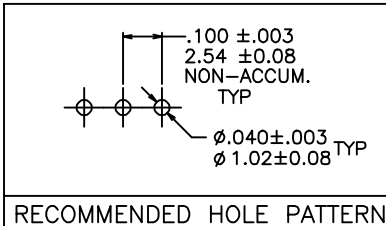
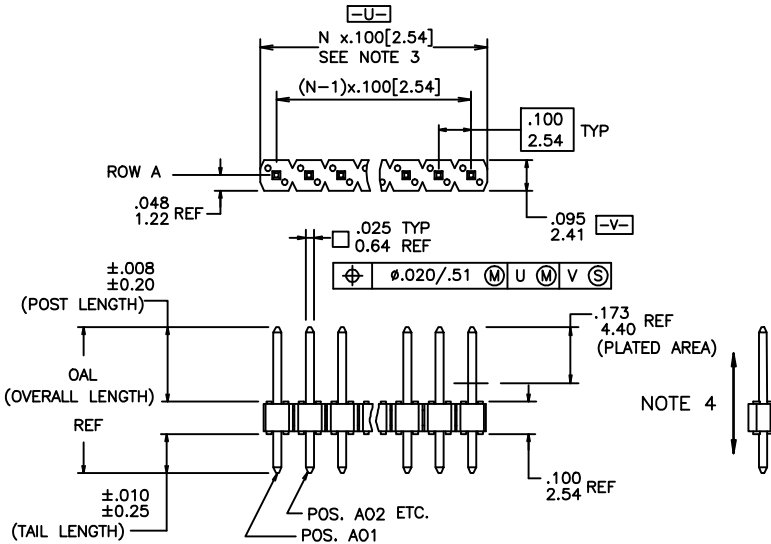
PLATING

- S= 15μ[0.38μm]GOLD ON CONTACT AREA (NOTE 16)  
100μ[2.54μm]TIN ON TAIL
- G= 30μ[0.76μm]GOLD ON CONTACT AREA (NOTE 16)  
100μ[2.54μm]TIN ON TAIL
- T= 100-160μ[2.54-4.04μm]TIN ON CONTACT AREA AND ON TAIL (SEE NOTE 11 & 15)
- F= 2μ[0.05μm] GOLD ON CONTACT AREA & ON TAIL

- RETENTION R=RETENTIVE LEG NOTE 5 & 7
- POLARIZATION NOTE 7 & 9
- 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.

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 902	tolerance ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn no	dr	date	title .100 UNSHROUDED HDR. S/R VERT. THRU HOLE	
M	M06-0268	MHT	7/14/06	linear	scale 1:1
N	M06-0346	MHT	9/04/06	linear	scale 1:1
P	M07-0247	AGS	5/28/07	linear	scale 1:1
R	M07-0337	MHT	7/23/07	linear	scale 1:1
S	M07-0361	MHT	8/14/07	linear	scale 1:1
T	M08-0237	MHT	8/25/08	linear	scale 1:1
U	M08-0279	MHT	9/30/08	linear	scale 1:1
sheet	revision	U	U	type Product Customer Drawing	
index	sheet	1	2	type Product Customer Drawing	



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NOTES:

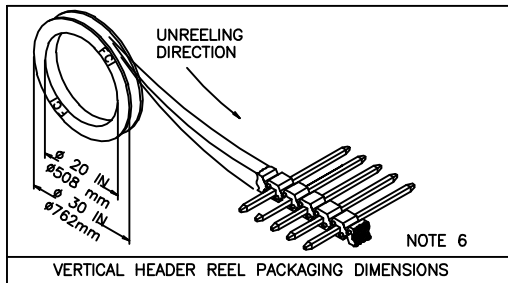
- ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0, COLOR: BLACK  
OR  
MINERAL FILLED LCP FLAME RETARDENT  
PER UL-94V-0. COLOR: BLACK.
- ② PIN MATERIAL: PHOSPHOR-BRONZE
- ③ TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW.  
EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- ④ 2LBS/0.9KG 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



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mat'l. code SEE NOTES 1 & 2		surface ISO 902	tolerance ISO 406 ISO 7001	projection 	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified	title .100 UNSHROUDED HDR. S/R VERT. THRU HOLE
u				angles linear XX±.01/XX±.03 XXX±.006/XXX±.013 O'±2' XXXX±.0020/XXXX±.0051	INCH/MM scale 1:1
				dr D.INGRAM 05/10/99	dwg no 54101
				engr H.SUNDY 07/15/99	sheet 2 of 2 size A3
				chr H.SUNDY 07/15/99	
				appd H.SUNDY 07/15/99	type Product Customer Drawing
sheet	revision				
index	sheet				

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