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)

BERGSTRIP POSITIONS PER REEL 00=36,000 PIN STYLES 5, 6, 8, 10, 30, 32 ONLY.

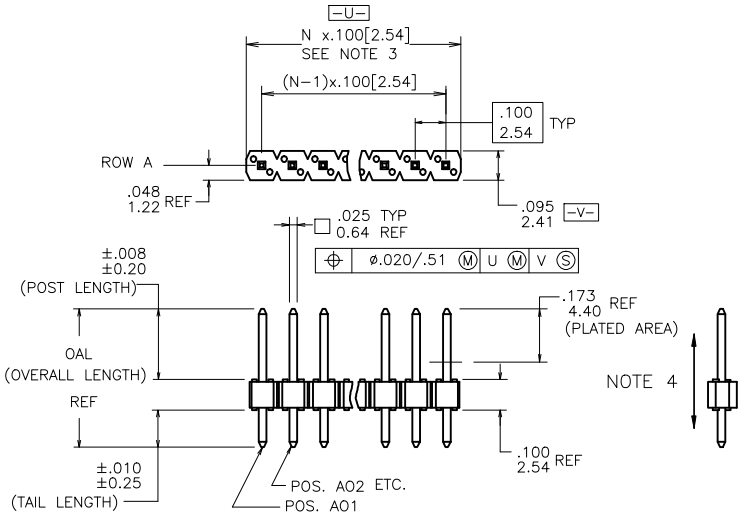
BERGSTIK POSITIONS PER ROW 01 TO 36 NOTE 10

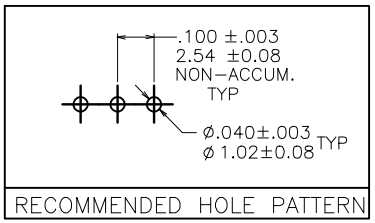
POLARIZATION NOTE 7 & 9

RETENTION R=RETENTIVE LEG NOTE 5 & 7

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





RECOMMENDED HOLE PATTERN

ltr	ecn no	dr	date
N	M06–0346	MHT	9/04/06
P	M07–0247	AGS	5/28/07
R	M07–0337	MHT	7/23/07
S	M07–0361	MHT	8/14/07
T	M08–0237	MHT	8/25/08
U	M08–0279	MHT	9/30/08
V	M09–0090	MHT	6/19/09

sheet index	revision	V	V
	sheet	1	2

mat'l code: SEE NOTES 1 & 2
surface: ISO 1302
tolerance: ISO 406 ISO 1101
tolerances unless otherwise specified
angles: 0°±2°
linear: .XX±.01/.X±0.3; .XXX±.005/.XX±0.13; .XXXX±.0020/.XXX±0.051
dr: D.INGRAM 05/10/99
engr: H.SUNDY 07/15/99
chr: H.SUNDY 07/15/99
appd: H.SUNDY 07/15/99
projection
INCH/MM
scale 1:1
product family: BERGSTIK
title: .100 UNSHROUDED HDR. S/R VERT. THRU HOLE
dwg no 54101
sheet 1 of 2
size A3
type Product Customer Drawing

form: A3

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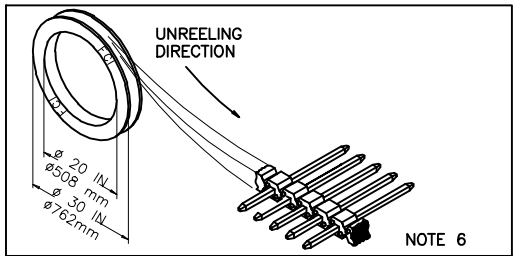
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NOTES:

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. BERGSTRIP PACKAGED PER REEL.
7. POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIP.
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 SIDS, 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



VERTICAL HEADER REEL PACKAGING DIMENSIONS

mat'l code: SEE NOTES 1 & 2			surface: ISO 1302		tolerance: ISO 406, ISO 1101		projection	product family: BERGSTIK	
ltr	ecn no	dr	date		tolerances unless otherwise specified			title: .100 UNSHROUDED HDR. S/R VERT. THRU HOLE	
V				angles: 0°±2°	linear: .XX±.01/.X±0.3	.XXX±.005/.XX±0.13	INCH/MM		
						.XXXX±.0020/.XXX±0.051	scale 1:1		
				dr	D.INGRAM	05/10/99		dwg no: 54101	sheet 2 of 2 size A3
				engr	H.SUNDY	07/15/99			
				chr	H.SUNDY	07/15/99			
				appd	H.SUNDY	07/15/99		type: Product Customer Drawing	
sheet index	revision sheet								

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