

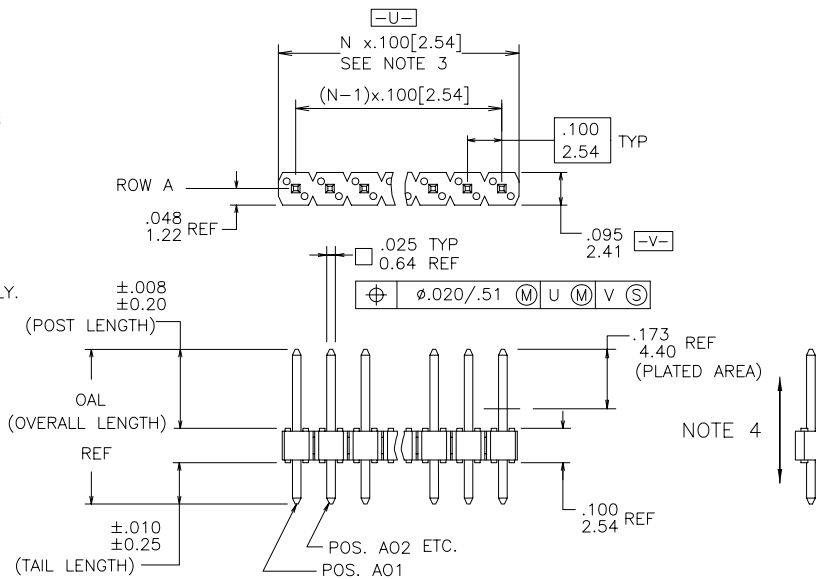
PRODUCT NUMBER

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

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

- RETENTION R=RETENTIVE LEG NOTE 5 & 7
- POLARIZATION NOTE 7 & 9
- POSITIONS PER ROW 01 TO 36 NOTE 10
- POSITIONS PER REEL 00=36,000 (BERGSTRIIP) PIN STYLES 5, 6, 8, 10, 30, 32 ONLY.

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



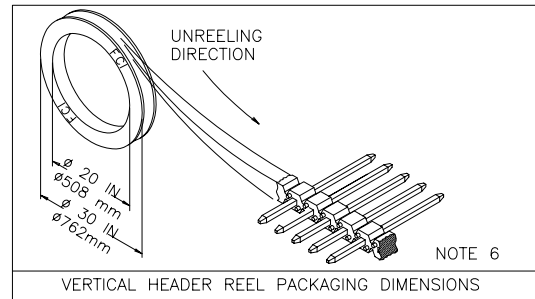
LEAD FREE PRODUCT NUMBER

5 4 1 0 1 - X X X X X X X X X L F

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

- LEAD FREE NOTE 12 & 13
- RETENTION R=RETENTIVE LEG NOTE 5 & 7
- POLARIZATION NOTE 7 & 9
- POSITIONS PER ROW 01 TO 36 NOTE 10
- POSITIONS PER REEL 00=36,000 (BERGSTRIIP) PIN STYLES 5, 6, 8, 10, 30, 32 ONLY.

PIN STYLE	POST	TAIL	OAL
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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
ltr	ecn	no	dr	date	tolerances unless otherwise specified
G	V20160	GIP	01/23/02	angles	.XX±.01/0.3
H	V20751	GIP	04/11/02	linear	.xxx±.005/0.13
J	V21475	GIP	09/17/02	0°±2'	.xxxx±.0020/0.051
K	M05-0118	MHT	6/30/05	dr	D.INGRAM 05/10/99
L	M06-0094	MHT	2/27/06	engr	H.SUNDY 07/15/99
M	M06-0268	MHT	7/14/06	chr	H.SUNDY 07/15/99
N	M06-0346	MHT	9/04/06	appd	H.SUNDY 07/15/99
sheet	revision	N	N		
index	sheet	1	2		

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

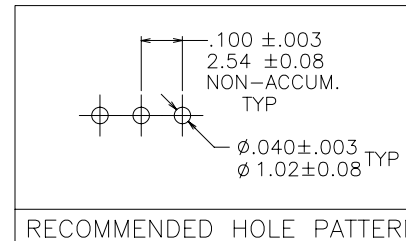


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NOTES:

- ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-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 LEAD 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."



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