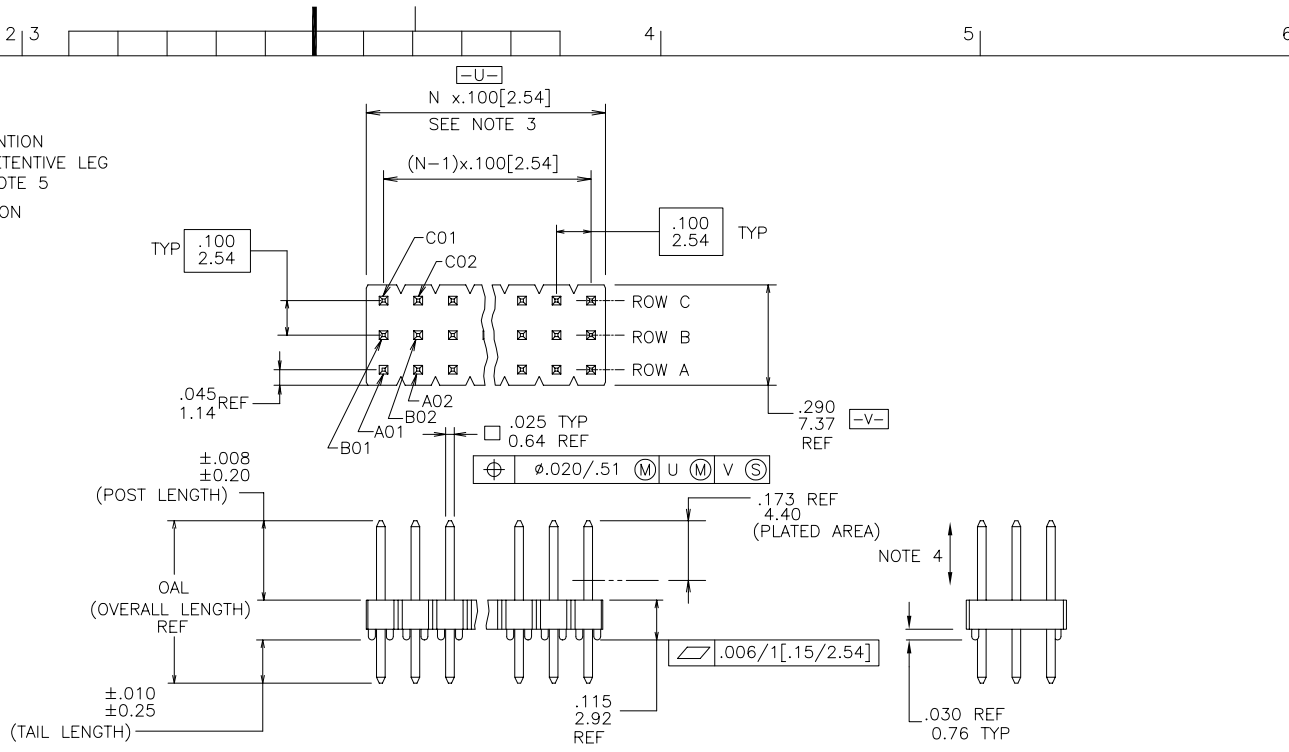


PRODUCT NUMBER
5 4 1 0 3 - X X X - X X - X X X X

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=100μ"[2.54μm]TIN
ON CONTACT AREA
AND ON TAIL
(SEE NOTE 9 & 13).

RETENTION
R=RETENTIVE LEG
NOTE 5
POLARIZATION
NOTE 8
POSITIONS PER ROW
01 TO 36

PIN STYLE	POST	TAIL	OAL
06	0.230/5.84	0.095/2.41	0.440/11.18
08	0.230/5.84	0.105/2.67	0.450/11.43
10	0.230/5.84	0.135/3.42	0.480/12.19
12	0.230/5.84	0.285/7.23	0.630/16.00
30	0.318/8.08	0.105/2.67	0.538/13.67
32	0.318/8.08	0.135/3.42	0.568/14.43
34	0.318/8.08	0.197/5.00	0.630/16.00



LEAD FREE PRODUCT NUMBER
5 4 1 0 3 - X X X X X X X X LF

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=100μ"[2.54μm]TIN
ON CONTACT AREA
AND ON TAIL
(SEE NOTE 9 & 13)

LEAD FREE
NOTE 10 & 11
RETENTION
R=RETENTIVE LEG
NOTE 5
POLARIZATION
NOTE 8
POSITIONS PER ROW
01 TO 36

PIN STYLE	POST	TAIL	OAL
06	0.230/5.84	0.095/2.41	0.440/11.18
08	0.230/5.84	0.105/2.67	0.450/11.43
10	0.230/5.84	0.135/3.42	0.480/12.19
12	0.230/5.84	0.285/7.23	0.630/16.00
30	0.318/8.08	0.105/2.67	0.538/13.67
32	0.318/8.08	0.135/3.42	0.568/14.43
34	0.318/8.08	0.197/5.00	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
A	V92811	DAI		08/24/99	angles .XX±.01/0.3
B	V21475	GIP		09/17/02	linear .xxx±.005/0.13
C	M05-0118	MHT		6/03/05	0°±2' .xxxx±.0020/0.051
D	M06-0435	MHT		10/31/06	dr D.INGRAM 05/26/99
					enr T.HANNA 07/21/99
					chr T.HANNA 07/21/99
					appd T.HANNA 07/21/99
sheet index	revision sheet	D	D		
	1 2				
title UNSHROUDED HDR. T/R VERT. THRU HOLE, .100		scale 1:1		sheet 1 of 2 size 54103 A3	
type		Product		Customer Drawing	

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2 3

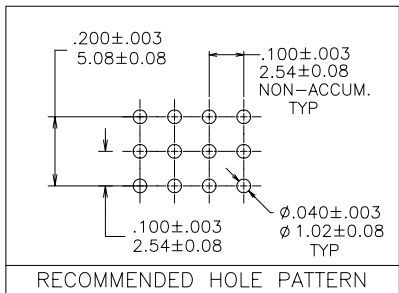
4

5

6

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.
RETENTION IS APPLIED TO TWO PINS PER PART, ADJACENT TO ONE ANOTHER.
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.
OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
- 6. PACKAGED IN POLY BAGS.
- ⑦ UNDERPLATING: 50μ"/1.27μm Ni.
- ⑧ FOR POLARIZATION SPECIFY POSITION NUMBER (i.e.. A03=ROW A POS. 3)
TO OMIT PIN. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
- 9. PIN TIPS ON Sn PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
- ⑩ PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
- ⑪ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 12. 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.
- ⑬ "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		title	
D						angles	linear	INCH/MM	
						0'±2'	.XX±.01/0.3 .XXX±.005/0.13 .XXXX±.0020/0.051	scale 1:1	
				dr		D.INGRAM 05/26/99		dwg no	
				enr		T.HANNA 07/21/99		sheet 2 of 2 size	
				chr		T.HANNA 07/21/99		54103 A3	
				appd		T.HANNA 07/21/99		type Product Customer Drawing	
sheet index	revision sheet								



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