

PRODUCT NUMBER

5 4 1 5 2 - X X X - X X - X X X X

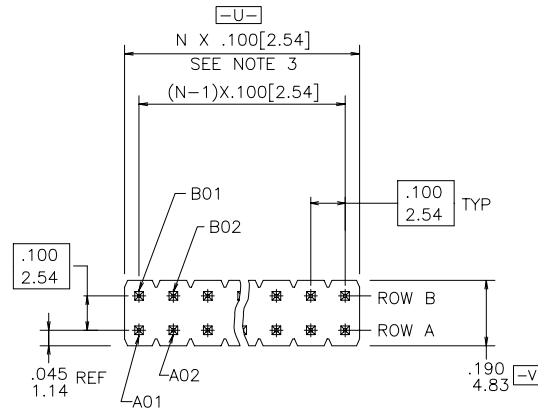
PLATING
 S= 15µ" [0.38µm] GOLD ON CONTACT AREA
 100µ" [2.54µm] TIN ON TAIL
 T= 100µ" [2.54µm] TIN ON CONTACT AREA AND ON TAIL
 (SEE NOTE 10,13)

POSITIONS PER ROW
 01 TO 36

RETENTION
 R= RETENTIVE LEG
 NOTE 6

POLARIZATION
 NOTE 8

PIN STYLE	POST	TAIL	OAL
52	0.230/5.84	0.115/2.92	0.400/10.16
06	0.230/5.84	0.155/3.94	0.440/11.18



LEAD FREE PRODUCT NUMBER

5 4 1 5 2 - X X X X X X X X LF

PLATING
 S= 15µ" [0.38µm] GOLD ON CONTACT AREA
 100µ" [2.54µm] TIN ON TAIL
 T= 100µ" [2.54µm] TIN ON CONTACT AREA AND ON TAIL
 (SEE NOTE 10,13)

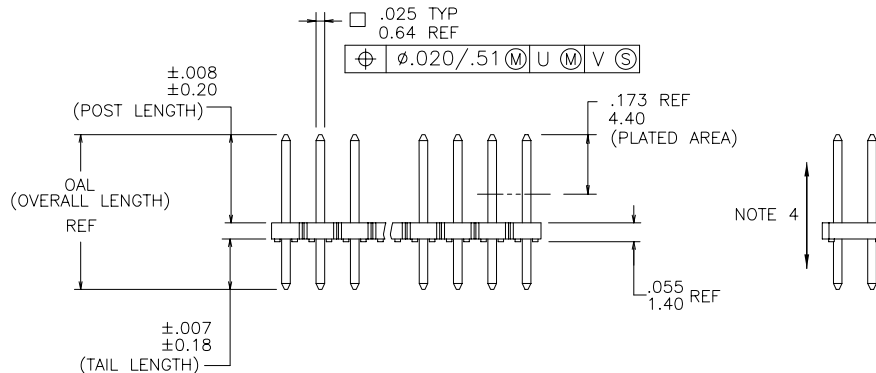
POSITIONS PER ROW
 01 TO 36

RETENTION
 R= RETENTIVE LEG
 NOTE 6

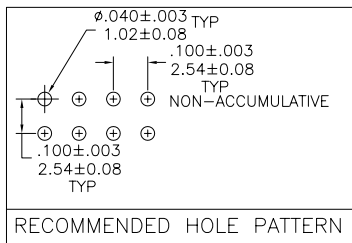
POLARIZATION
 NOTE 8

LEAD FREE
 NOTE 10 & 11

PIN STYLE	POST	TAIL	OAL
52	0.230/5.84	0.115/2.92	0.400/10.16
06	0.230/5.84	0.155/3.94	0.440/11.18



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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	title
A	V92811	DAI	08/24/99	angles .XX±.01/0.3	UNSHROUDED HDR. D/R LOW PRO, THRU HOLE
B	V21475	GIP	09/17/02	linear .xxx±.005/0.13	
C	M05-0118	MHT	6/03/05	0'±2'	scale 1:1
D	M06-0268	MHT	7/17/06	dr	D.INGRAM 07/01/99
E	M06-0435	MHT	10/31/06	enr	H.SUNDY 07/21/99
				chr	H.SUNDY 07/21/99
				appd	H.SUNDY 07/21/99
sheet index	revision sheet	E 1	E 2		dwg no 54152
					sheet 1 of 2 size A3
					type Product Customer Drawing

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2 3

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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[25.4]
- ④ 1LBS/0.5KG MIN. PIN RETENTION IN EITHER DIRECTION.
- 5. PACKAGED IN POLY BAGS.
- ⑥ RETENTIVE LEG:
RETENTIVE LEG APPLICABLE TO TAIL LENGTH OF .120/3.05 ONLY.
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.
RETENTION IS TWO PINS PER PART, ADJACENT TO ONE ANOTHER.
IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT NUMBER.
- 7. UNDERPLATING: 50μ"/1.27μm Ni.
- ⑧ FOR POLARIZATION SPECIFY POSITION NUMBER(i.e.. A03=ROW A POS. 3
TO OMIT PIN). IF FEATURE IS NOT APPLICABLE, REMOVE FROM PROD. NO..
- 9. PIN TIPS ON TIN/LEAD 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."



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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	
E				angles	linear	.XX±.01/0.3 .xxx±.005/0.13 .xxxx±.0020/0.051		UNSHROUDED HDR. D/R LOW PRO, THRU HOLE	
				0'±2'		scale 1:1		dwg no	
		dr	D.INGRAM	07/01/99			sheet 2 of 2		size
		enr	H.SUNDY	07/21/99			54152		A3
		chr	H.SUNDY	07/21/99			type		Product Customer Drawing
		appd	H.SUNDY	07/21/99					
sheet index	revision sheet								

form: A3

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