

PRODUCT NUMBER
5 5 1 0 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 (NOTE 14)
G=30μ"[0.76μm]GOLD
ON CONTACT AREA
100μ"[2.54μm]TIN
ON TAIL (NOTE 14)
T=100μ"[2.54μm]TIN
ON CONTACT AREA
AND ON TAIL
(SEE NOTE 9 & 13)
F=2μ"[0.05μm]GOLD
ON CONTACT AREA
AND ON TAIL

PIN	STYLE	POST	TAIL
11		0.230/5.84	0.090/2.29
17		0.230/5.84	0.120/3.05
12		0.230/5.84	0.190/4.83
34		0.318/8.08	0.100/2.54
35		0.318/8.08	0.120/3.05
36		0.318/8.08	0.200/5.08

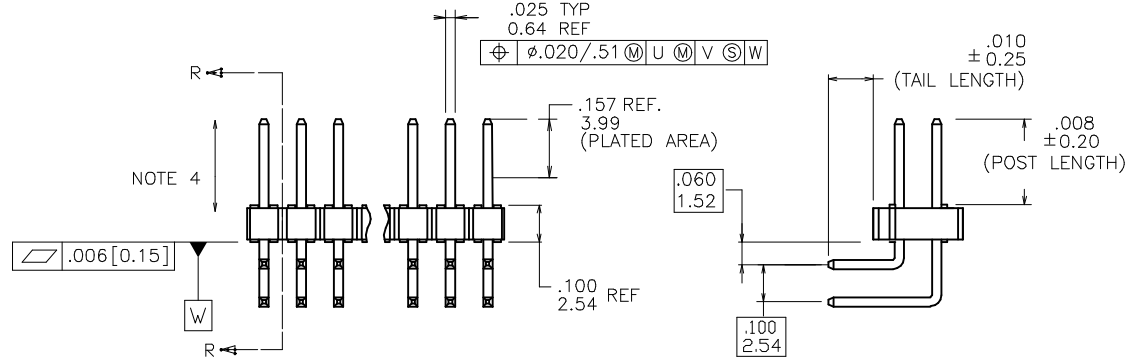
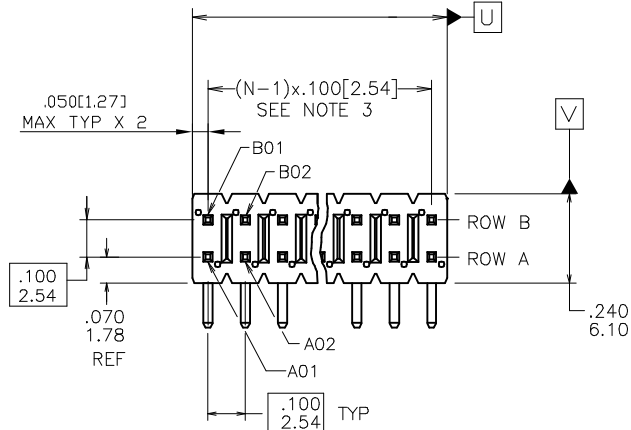
RETENTION
R= RETENTIVE LEG
NOTE 6
POLARIZATION
NOTE 7
POSITIONS PER ROW
01 TO 36

LEAD FREE PRODUCT NUMBER
5 5 1 0 2 - X X X X X X X X X X LF

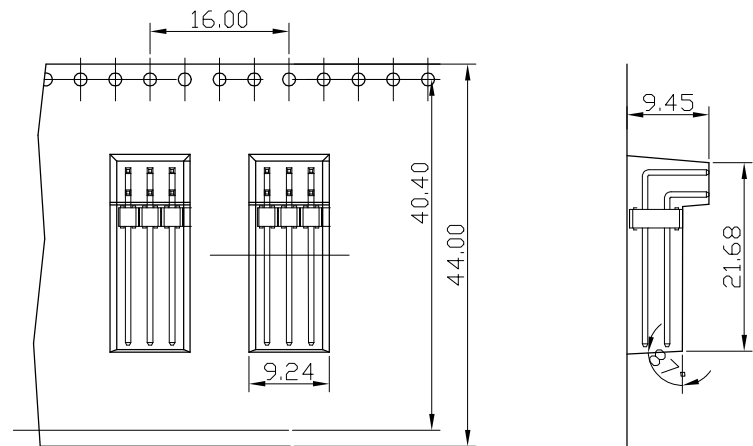
PLATING
S=15μ"[0.38μm]GOLD
ON CONTACT AREA
100μ"[2.54μm]TIN
ON TAIL (NOTE 14)
G=30μ"[0.76μm]GOLD
ON CONTACT AREA
100μ"[2.54μm]TIN
ON TAIL (NOTE 14)
T=100μ"[2.54μm]TIN
ON CONTACT AREA
AND ON TAIL
(NOTE 9 & 13)
F=2μ"[0.05μm]GOLD
ON CONTACT AREA
AND ON TAIL
9=1μ [0.03μm]GOLD
ON CONTACT AREA
AND ON TAIL (FULL PLATING)

PIN	STYLE	POST	TAIL
11		0.230/5.84	0.090/2.29
17		0.230/5.84	0.120/3.05
12		0.230/5.84	0.190/4.83
34		0.318/8.08	0.100/2.54
35		0.318/8.08	0.120/3.05
36		0.318/8.08	0.200/5.08
40		0.559/14.21	0.090/2.30

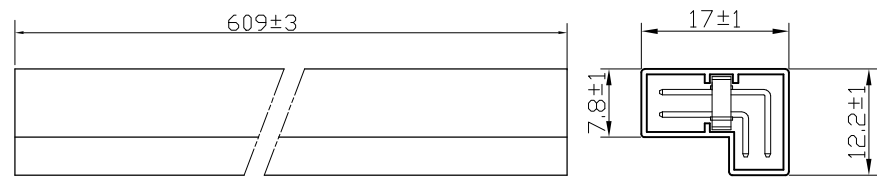
LEAD FREE
NOTE 10 & 11
PACKAGE:
SEE NOTES 5
RETENTION
R= RETENTIVE LEG
NOTE 6
POLARIZATION
NOTE 7
POSITIONS PER ROW
01 TO 36



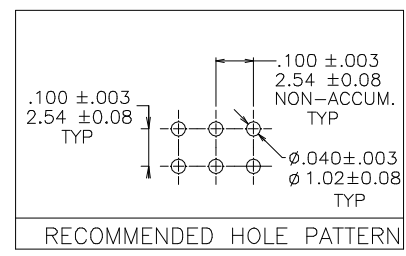
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
G	M06-0268	MHT	7/17/06	angles	linear	.XX±.01/.X±0.3			.100 SHROUNDED HDR				
H	M06-0435	MHT	10/31/06			.XXX±.005/.XX±0.13			D/R R/A THRU HOLE				
J	M08-0237	MHT	8/25/08	0'±2'		.XXXX±.0020/.XXX±0.051		scale 1:1					
K	M08-0279	MHT	9/30/08	dr	D.INGRAM	05/20/99			dwg no		sheet 1 of 2	size	
L	ELX-N-30083	MZ	05/04/18	engr	H.SUNDY	07/21/99			55102		A3		
M	ELX-N-38872	MKX	11/04/20	chr	H.SUNDY	07/21/99							
				appd	H.SUNDY	07/21/99							
sheet index		revision		M	M					type Product Customer		Drawing	
		sheet		1	2								



TAPE AND REEL FOR 2X3



TUBE PACKAGE



RECOMMENDED HOLE PATTERN

NOTES:

- HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC.
FLAME RETARDANT PER UL 94V-0
COLOR: BLACK
OR
MINERAL FILLED LCP
FLAME RETARDANT PER UL 94V-0
COLOR: BLACK
- PIN MATERIAL: PHOSPHOR-BRONZE
- TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW.
EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION
- PACKAGE:
NONE =IN POLY BAGS
T =TRAY WITHOUT PICK UP CAP
A =TAPE AND REEL WITHOUT PICK UP CAP
B =IN TUBE WITHOUT PICK UP CAP
- RETENTIVE LEG APPLICABLE TO TAIL LENGTH .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.
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.
- FOR POLARIZATION SPECIFY POSITION NUMBER(i.e.. A03=ROW A POS 3)
TO OMIT PIN.
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.
- UNDERPLATING: 50μ"/1.27μm Ni.
- PIN TIPS ON Sn PLATED PRODUCT MAY HAVE BARE METAL ON
TWO SIDES, BOTH ENDS.
- PART NUMBERS WITH "LF" SUFFIX AT THE END ARE LEAD FREE.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 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.
- "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."
- PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 1:1	title .100 SHROUNDED HDR D/R R/A THRU HOLE			
SEE SHEET 1				angles	linear		dwg no 55102			
				0°±2°	.XX±.01/.X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020 .XXX±0.051					
				dr	D.INGRAM	05/20/99				
				enrg	H.SUNDY	07/21/99	sheet 2 of 2			
				chr	H.SUNDY	07/21/99	size A3			
				appd	H.SUNDY	07/21/99	type Product Customer Drawing			
sheet index	revision sheet									