

PRODUCT NUMBER
5 5 1 0 2 - X X X - X X - X X X X

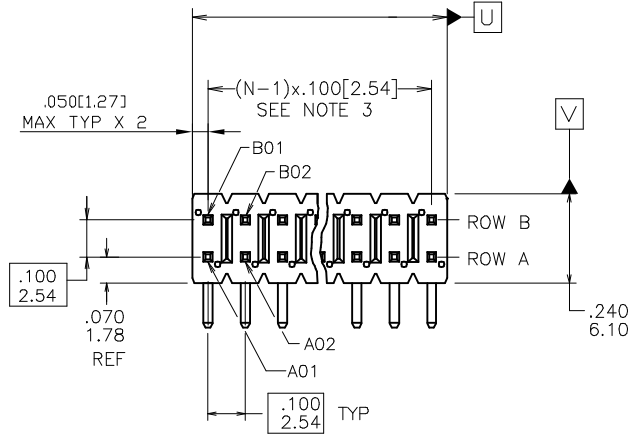
PLATING
S=15μ"[0.38μm]GOLD ON CONTACT AREA
100μ"[2.54μm]TIN ON TAIL (NOTE 14)
G=30μ"[0.76μm]GOLD ON CONTACT AREA
100μ"[2.54μm]TIN ON TAIL (NOTE 14)
T=100μ"[2.54μm]TIN ON CONTACT AREA AND ON TAIL (SEE NOTE 9 & 13)
F=2μ"[0.05μm]GOLD ON CONTACT AREA AND ON TAIL

RETENTION
R= RETENTIVE LEG
NOTE 6

POLARIZATION
NOTE 7

POSITIONS PER ROW
01 TO 36

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



LEAD FREE PRODUCT NUMBER
5 5 1 0 2 - 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)

LEAD FREE
NOTE 10 & 11

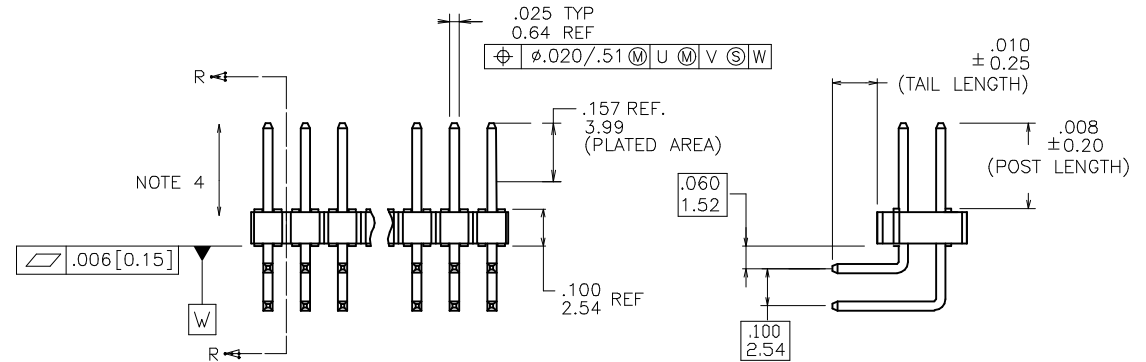
PACKAGE:
SEE NOTES 5

RETENTION
R= RETENTIVE LEG
NOTE 6

POLARIZATION
NOTE 7

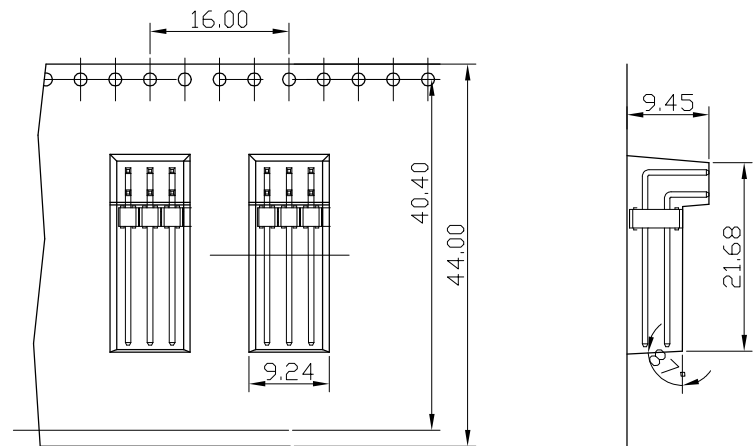
POSITIONS PER ROW
01 TO 36

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

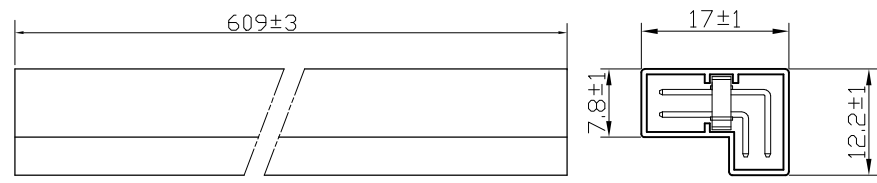


mat'l. code		surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
G	M06-0268	MHT	7/17/06	angles linear	.100 SHROUNDED HDR
H	M06-0435	MHT	10/31/06	linear	D/R R/A THRU HOLE
J	M08-0237	MHT	8/25/08	0±2'	scale 1:1
K	M08-0279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

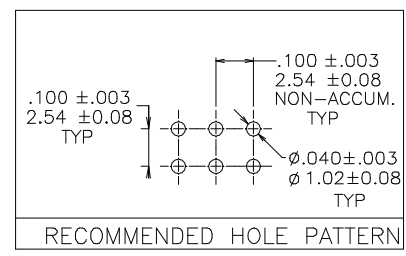
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TAPE AND REEL FOR 2X3



TUBE PACKAGE



RECOMMENDED HOLE PATTERN

NOTES:

- ① 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
- 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. 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
- ⑥ 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.
- ⑦ 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.
8. UNDERPLATING: 50µ"/1.27µm Ni.
9. PIN TIPS ON Sn PLATED PRODUCT MAY HAVE BARE METAL ON
TWO SIDES, BOTH ENDS.
- ⑩ PART NUMBERS WITH "LF" SUFFIX 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."
- ⑭ 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	title .100 SHROUNDED HDR D/R R/A THRU HOLE
	SEE SHEET 1			angles linear .XX±.01/XX±0.3 .XXX±.005/XXX±0.13 0°±2' .XXXX±.0020 .XXX±0.051	scale 1:1
		dr	D.INGRAM	05/20/99	dwg no
		enr	H.SUNDY	07/21/99	sheet 2 of 2
		chr	H.SUNDY	07/21/99	size A3
		appd	H.SUNDY	07/21/99	55102
sheet index		revision sheet			type Product Customer Drawing