



FCIconnect.com

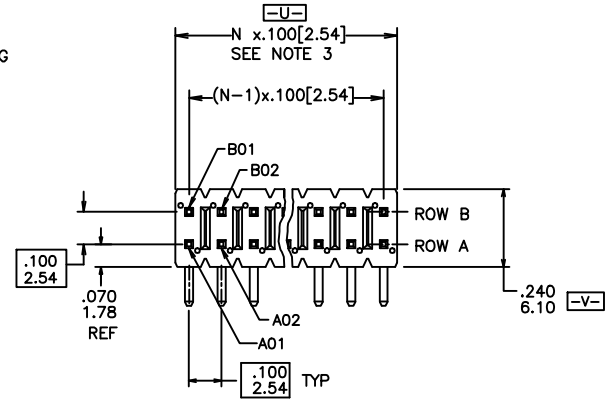
Copyright FCI

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

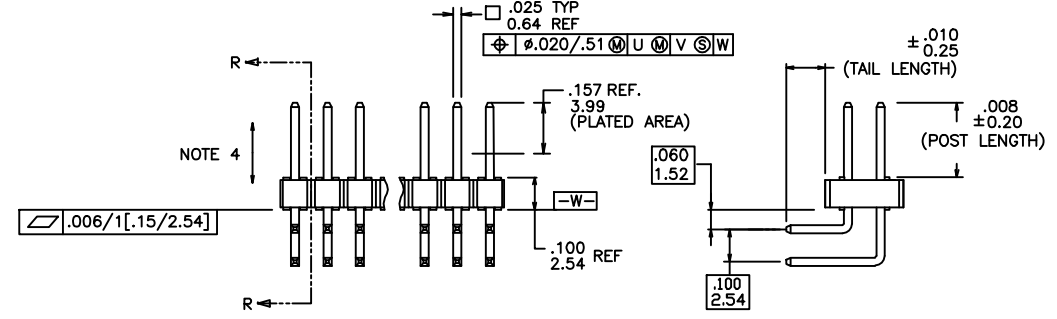


LEAD FREE PRODUCT NUMBER
5 5 1 0 2 - X X X X X X X X X LF

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

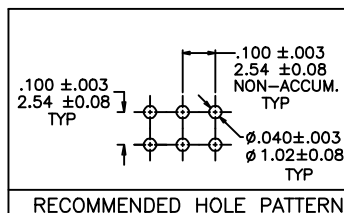
LEAD FREE
NOTE 10 & 11
RETENTION
R= RETENTIVE LEG
NOTE 6
POLARIZATION
NOTE 7
POSITIONS PER ROW
01 TO 36

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



mat'l. code SEE NOTES 1 & 2				surface ISO 1902 ✓		tolerance ISO 1101		projection INCH/MM		product family BERGSTIK	
ltr	ec'n no	dr	date	tolerances unless otherwise specified		linear		scale 1:1		title .100 UNSHROUDED HDR. D/R R/A THRU HOLE	
D	V21475	GIP	9/17/02	angles		XXX.01/XXX.03				dwg no 55102	
E	V03-0731	HTB	7/10/03	linear		XXX.006/XXX.013				sheet 1 of 2 size A3	
F	M05-0118	MHT	6/03/05	0'±2'		XXX.0020/XXX.0051				type Product Customer Drawing	
G	M06-0268	MHT	7/17/06	dr		D.INGRAM		05/20/99			
H	M06-0435	MHT	10/31/06	eng		H.SUNDY		07/21/99			
J	M08-0237	MHT	8/25/08	chr		H.SUNDY		07/21/99			
K	M08-0279	MHT	9/30/08	appd		H.SUNDY		07/21/99			
sheet	revision	K	K								
index	sheet	1	2								

form A3



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 PACKAGED IN POLY BAGS
- 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		tolerance		projection		product family	
SEE NOTES 1 & 2		ISO 1902		ISO 406		INCH/MM		BERGSTIK	
ltr	ec'n no	dr	date	tolerances unless otherwise specified		scale		title	
K				linear		1:1		.100 UNSHROUDED HDR. D/R R/A THRU HOLE	
				angles				dwg no	
				0° ± 2°				sheet 2 of 2	
				dr		D.INGRAM		size	
				engr		H.SUNDY		A3	
				chr		H.SUNDY		type	
				appd		H.SUNDY		Product Customer Drawing	
sheet	revision								
index	sheet								