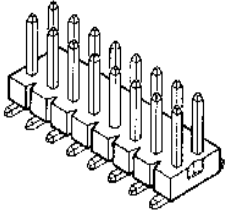


**95278-101A06LF - BergStik®**  
**: Unshrouded Header, SMT,**  
**Double Row, 6 Positions, 2.54**  
**mm Pitch, Vertical, 5.84 mm**  
**(0.23 in.) Mating**



[www.fci.com](http://www.fci.com)

## Mating Half

- ▶ 87606-303LF
- ▶ 76342-303LF
- ▶ 89898-303LF
- ▶ 71609-303LF

## Specifications

<b>General</b>	
Number of contacts (per row)	3
Number of contacts (Total)	6
Number of rows	2
Orientation	Vertical
Packaging	Tape and Reel with Pick-Up Cap
Attachment type (Board)	Surface Mount
Series Number	95278
<b>Dimensional</b>	
Length (Mating pin)	5.84 mm (0.23 in.)
Length (Overall pin)	10.8 mm (0.425 in.)
<b>Electrical</b>	
Current rating	3 amp Continuous
Resistance (Insulation)	5000 M-ohms
Voltage rating	1500V AC rms
<b>Mechanical</b>	
Retention force	8.88N (2 lbf)
<b>Mounting</b>	
Retention feature (Board)	No
Solder process	IR Reflow Soldering Processes Compatible with Vapor-phase
<b>Physical</b>	
Color (Housing)	Black
Material (Contact)	Phospor Bronze

<b>Material (Housing)</b>	High Temperature Black Thermoplastic
<b>Plating (Contact area)</b>	0.76 µm (30 µin.) Gold
<b>Plating (Tail)</b>	Tin
<b>Underplating (Contact)</b>	1.27 µm (50 µin.) Nickel
<b>Flammability rating</b>	UL 94 V-0
<b>Temperature (Range)</b>	-65°C to +125°C
<b>Approvals / Certifications</b>	
<b>UL File Number</b>	E66906
<b>CSA File Number</b>	LR46923
<b>Approvals / Certifications</b>	UL and CSA Approved
<b>Other Features</b>	
<b>Comments</b>	Sample Kit 950501-016
<b>Literature</b>	950559-001

PRODUCT NUMBER  
95278-YXX-XXLF

- WHEN REQUIRED, ADD SUFFIX LETTER "LF" INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6
- TOTAL NB OF POSITIONS 04 TO 50
- PACKAGING OPTIONS, NOTE 3.
- PIN STYLE SEE SHEET 2
- PLATING SEE SHEET 2

NOTES:

1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
2. PIN MATERIAL : PHOSPHOR BRONZE
- 3 - PACKAGING OPTIONS:
  - = POLY BAGS
  - B = TUBE + CAP
  - A = TAPE & REEL WITH CAP, SEE TA840 FOR PRODUCT AVAILABILITY.
  - TR = TAPE & REEL WITH CAP, SEE TA840 ONLY FOR P/N 95278-102TR04LF
4. 9N MIN RETENTION IN EITHER DIRECTION
5. TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS N x 2.54 = 20.32mm
6. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.

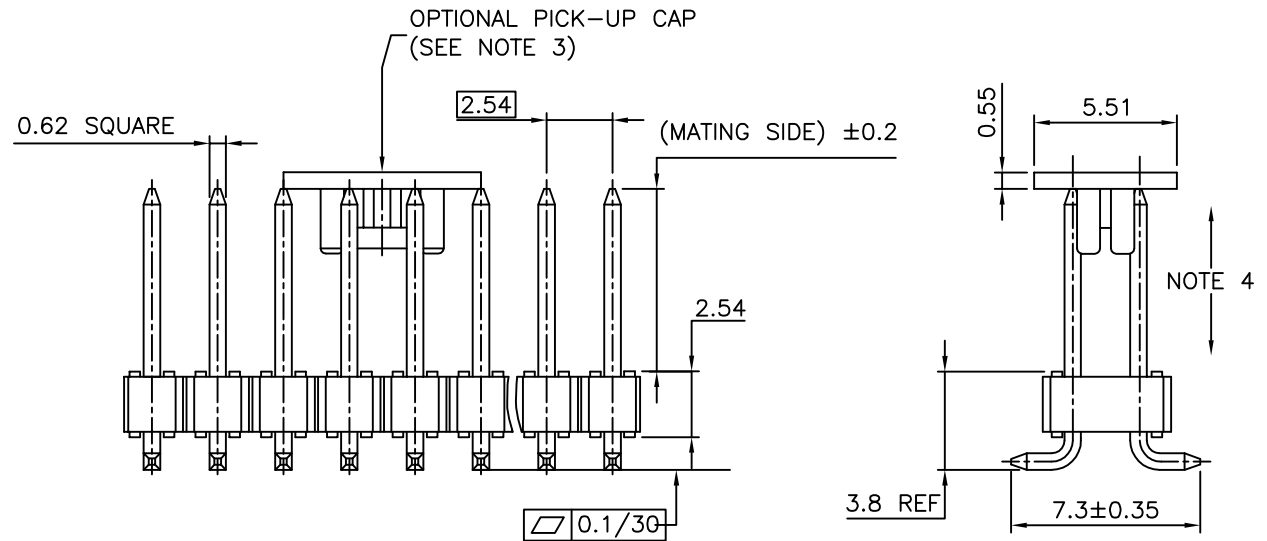
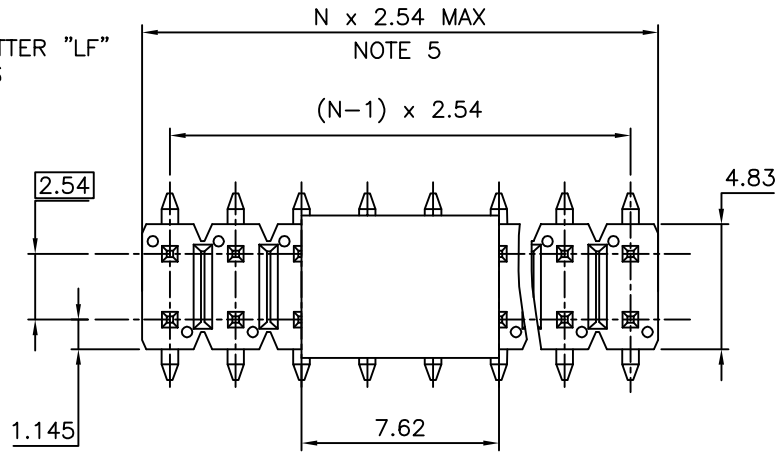
b - MANUFACTURING PROCESS COMPATIBILITY

- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDES IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

c - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

d - LEGAL STATEMENT: SEE GS-22-008



mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO 1101		mm		BERGSTIK	
ltr		ecn no		date		tolerances unless otherwise specified		title	
N		F08-0148		RTR 08.03.31		angles linear		UNSHR.HEADER	
P		F08-0253		LMU 08.12.10				DR SMT	
R		F10-0008		LMU 10.03.09		xxx ±0.05		scale 5:1	
		dr		D.LE		01.01.24		dwg no	
K		F06-0168		LMU 06.04.21		enrg		JM.C 01.01.24	
L		F06-0206		JCO 06.06.22		chr		JM.C 01.01.24	
M		F08-0124		LMU 08.02.11		appd		JF.N 01.01.24	
sheet index		revision sheet		R N				sheet 1 of 2 size	
1		1		1 2				95278 A3	
								type CUSTOMER Drawing	

CORE RANGE		
PLATING	PIN STYLE	MATING
1	01	5.9

PLATING  
1 = 0.76µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN/LEAD ON TAIL

WHEN "LF" IS REQUIRED, 2µm MIN  
MATTE TIN OVER 1.27µm MIN NICKEL  
INSTEAD OF TIN-LEAD

CATALOGUE RANGE		
PLATING	PIN STYLE	MATING
4/8	01	5.9
1/4/8	02	8

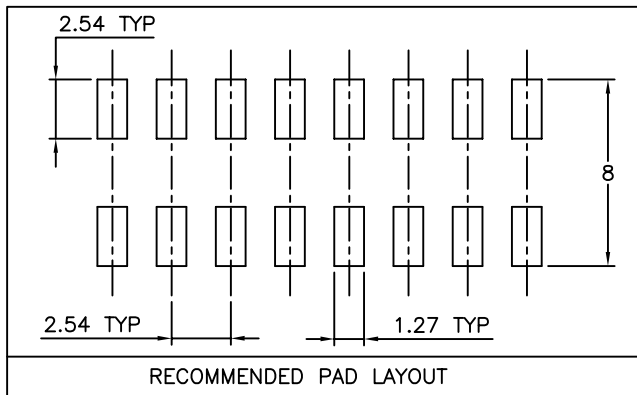
PLATING  
1 = 0.76µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN-LEAD ON TAIL  
4 = 3.81µm TIN-LEAD ON CONTACT AREA  
AND ON TAIL  
8 = 0.38µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN-LEAD ON TAIL

WHEN "LF" IS REQUIRED, 2µm MIN  
MATTE TIN OVER 1.27µm MIN NICKEL  
INSTEAD OF TIN-LEAD

APPLICATION SPECIFIC		
PLATING	PIN STYLE	MATING
1/4/8	06	10.4
1/4/8	07	5.3
1/4/8	09	17.00
1/4/8	10	8.10

PLATING  
1 = 0.76µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN-LEAD ON TAIL  
4 = 3.81µm TIN-LEAD ON CONTACT AREA  
AND ON TAIL  
8 = 0.38µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN-LEAD ON TAIL

WHEN "LF" IS REQUIRED, 2µm MIN  
MATTE TIN OVER 1.27µm MIN NICKEL  
INSTEAD OF TIN-LEAD



mat'l. code		surface <input checked="" type="checkbox"/> ISO 1302		tolerance <input checked="" type="checkbox"/> ISO 406 <input type="checkbox"/> ISO 1101		projection		product family BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title UNSHR.HEADER DR SMT	
N	F08-0253	LMU	08.12.10	angles	linear	scale N/A		dwg no 95278 sheet 2 of - size A3	
H	F10181	LMU	01.03.29					type CUSTOMER Drawing	
J	F04-0362	JCO	04.12.10	dr	D.LE	01.01.24			
K	F06-0208	JCO	06.06.22	enr	JM.C	01.01.24			
L	F08-0124	LMU	08.02.11	chr	JM.C	01.01.24			
M	F08-0148	RTR	08.03.31	appd	JF.N	01.01.24			
sheet index	revision sheet								