

RoHS COMPATIBLE PRODUCT NUMBER
54121-XXXXXXXXL

LEADED PRODUCT NUMBER
54121-XXX-XX-XXXX

AS AVAILABLE

PLATING

1 = 0.76µm GOLD/GXT ON CONTACT AREA
2µm MIN MATTE TIN ON TAIL
OVER 1.27µm Ni MIN

4 = 2µm MIN MATTE TIN
OVER 1.27µm Ni MIN

5 = 0.25µm GOLD/GXT ON CONTACT AREA
2µm MIN MATTE TIN ON TAIL
OVER 1.27µm Ni MIN

8 = 0.38µm GOLD/GXT ON CONTACT AREA
2µm MIN MATTE TIN ON TAIL
OVER 1.27µm Ni MIN

RoHS COMPATIBLE
SEE NOTE 8

STACK HEIGHT, NOTE 6

TOTAL NB OF POSITIONS
02 TO 36

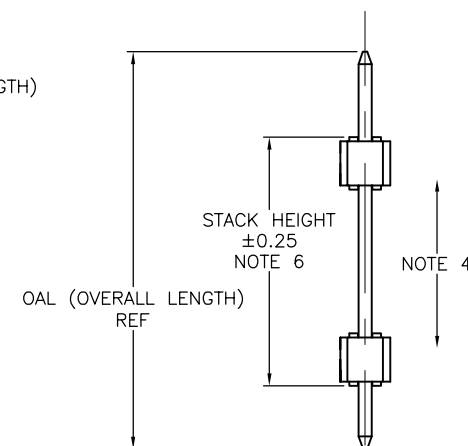
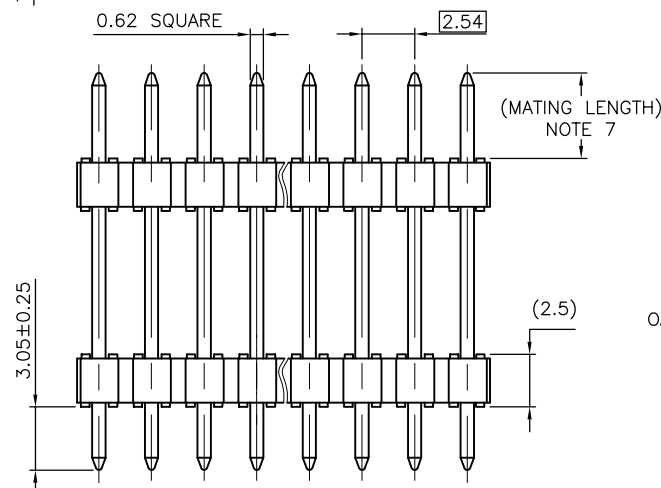
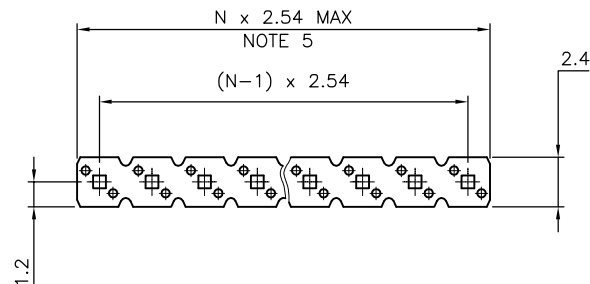
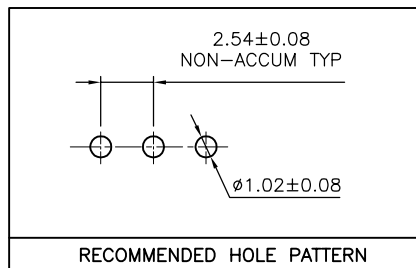
OAL	PIN STYLE
12.2	01
13.5	02
15.9	03
16.56	15
16.76	04
17.65	05
18.91	06
20.50	28
20.96	07
22.40	19
23.5	08
26.04	09
26.42	14
28.00	18
28.58	10
30.48	20
31.12	11
32.15	21
33.66	12
34.00	13
36.20	16
37.30	22
38.40	23
42.30	24
46.00	29
43.00	25
47.00	26
52.00	27

NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- STANDARD PACKAGING IN POLYBAG
- 9N MIN RETENTION IN EITHER DIRECTION
- TO DETERMINE DIMENSIONS :
N = NUMBER OF POSITIONS PER ROW
EXAMPLE : 8 POS PER ROW, $N \times 2.54 = 20.32\text{mm}$
- XXXX = MILLIMETERS
SPECIFY MILLIMETERS
5.0mm MIN TO 60.0mm MAX AVAILABLE
OAL 65.0mm MAX
EXAMPLE FOR STACK HEIGHT: $\frac{1}{2} \frac{2}{7} \frac{0}{0} = 12.70\text{mm}$
- MATING LENGTH = (OAL)-(3.05)-(STACK HEIGHT)

8. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

- PLATING:
 - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
- MANUFACTURING PROCESS COMPATIBILITY
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.
- LABELLING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.



mat'l. code SEE NOTES				surface ISO 1302	tolerance ISO 406 ISO 1101	projection mm	product family BERGSTIK
H	B-15666	LMU	13.02.14	angles	x.x ±0.3	mm	title UNSHR.HEADER
J	B-18903	LMU	14.09.25	linear	x.xx ±0.13	mm	STR SR TMT
K	B-18962	LMU	14.09.29		x.xxx ±0.05	mm	dwg no
L	B-19782	AMA	14.12.16	dr	D.LE 01.01.24	scale 4:1	sheet 1 of 1
				engr	JM.C 01.01.24		size A3
F	F08-0148	RTR	08.03.31	chr	JM.C 01.01.24		54121
G	F11-0034	LMU	11.03.03	appd	JF.N 01.01.24		CUSTOMER Drawing
sheet index	revision sheet						

Mouser Electronics

Authorized Distributor

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FCI:

54121-101340800LF	54121-103121000LF	54121-105201150LF	54121-106061000LF	54121-106361250LF	54121-
107151000LF	54121-108031600LF	54121-108051600LF	54121-108091600LF	54121-108201250LF	54121-
108361600LF	54121-110111700LF	54121-112060800LF	54121-112222500LF	54121-118121600LF	54121-
118182250LF	54121-403021000LF	54121-403031000LF	54121-405140950LF	54121-407021300LF	54121-
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