

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

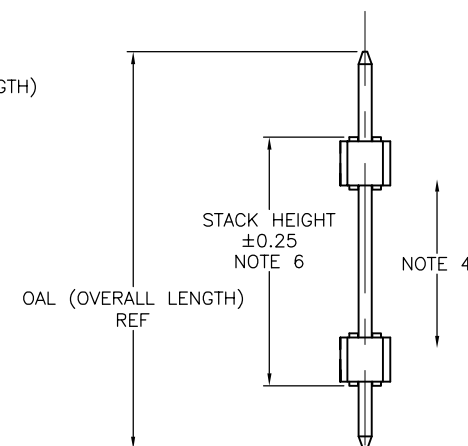
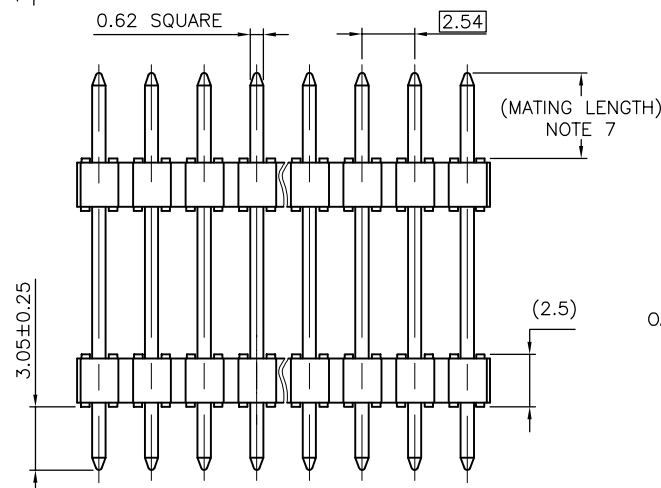
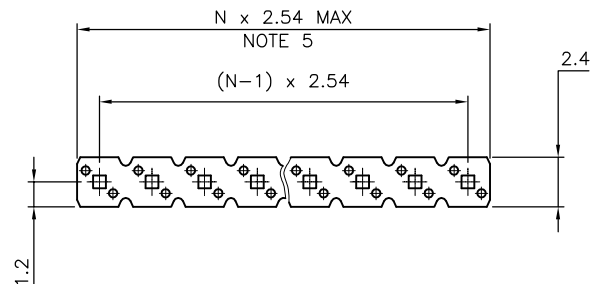
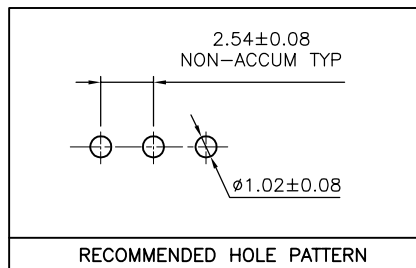
OAL	PIN STYLE
12.2	01
13.5	02
15.9	03
16.56	15
16.76	04
17.65	05
18.91	06
20.50	28
20.96	07
22.40	19
23.5	08
26.04	09
26.42	14
28.00	18
28.58	10
30.48	20
31.12	11
32.15	21
33.66	12
34.00	13
36.20	16
37.30	22
38.40	23
42.30	24
46.00	29
43.00	25
47.00	26
52.00	27

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	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title	
H	B-15666	LMU	13.02.14	angles	x.x ±0.3		UNSHR.HEADER	
J	B-18903	LMU	14.09.25	linear	x.xx ±0.13	scale 4:1	STR SR TMT	
K	B-18962	LMU	14.09.29		x.xxx ±0.05		dwg no	
L	B-19782	AMA	14.12.16	dr	D.LE 01.01.24	FCJ	sheet 1 of 1	
				engr	JM.C 01.01.24		54121	
F	F08-0148	RTR	08.03.31	chr	JM.C 01.01.24		A3	
G	F11-0034	LMU	11.03.03	appd	JF.N 01.01.24		type CUSTOMER Drawing	
sheet index	revision sheet							

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

54121-101340800LF	54121-102070800LF	54121-103121000LF	54121-104281000LF	54121-105201150LF	54121-
106061000LF	54121-106360850LF	54121-106361000LF	54121-106361250LF	54121-107151000LF	54121-
107151050LF	54121-107361150LF	54121-107361200LF	54121-108021200LF	54121-108031600LF	54121-
108051600LF	54121-108091600LF	54121-108201250LF	54121-108361500LF	54121-108361600LF	54121-
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112052000LF	54121-411362000LF	54121-802050800LF	54121-803090800LF	54121-804321000LF	