PRODUCT NUMBER
54112–XXXXXXXXXLF

PLATING CODE (AS AVAILABLE)

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

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

RoHS COMPATIBLE
SEE NOTE 8

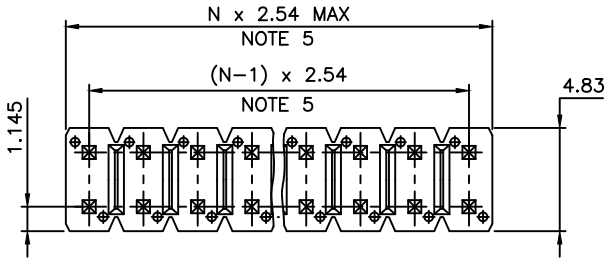
STACK HEIGHT, SEE NOTE 6

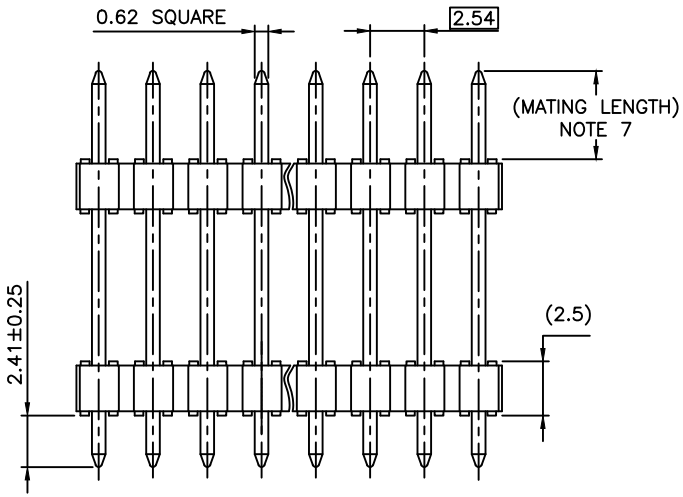
TOTAL NB OF POSITIONS
04 TO 72

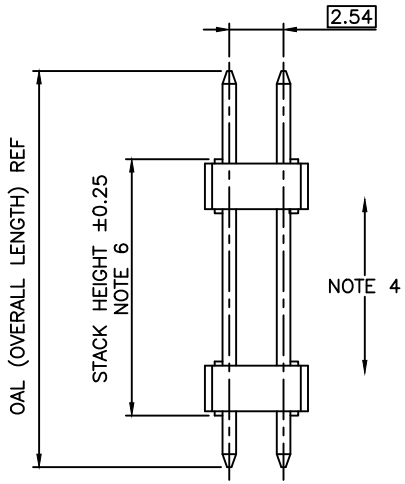
PIN STYLE, SEE TABLE
(AS AVAILABLE)

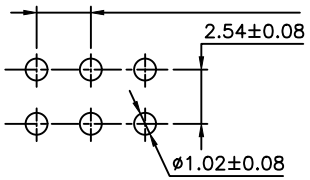
EXTENDED RANGE
- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND

OAL	PIN STYLE	
11.17	29	
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	
21.25	19	
23.5	08	
26.04	09	
26.42	14	
27.50	34	
28.00	18	
28.58	10	
29.70	31	
30.48	20	
31.12	11	
32.15	21	
33.66	12	
34.00	13	
36.20	16	
37.30	22	
37.95	32	
38.40	23	
40.00	30	
41.00	33	
42.30	24	
43.00	25	
47.00	26	
52.00	27	
55.00	35	NOTE 9









RECOMMENDED HOLE PATTERN

NOTES:

1. HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC. UL94V–0 COLOR: BLACK
2. PIN MATERIAL : PHOSPHOR BRONZE
3. STANDARD PACKAGING IN POLYBAG
4. 9N MIN RETENTION IN EITHER DIRECTION
5. TO DETERMINE DIMENSIONS :
   N = NUMBER OF POSITIONS PER ROW
   EXAMPLE : 8 POS PER ROW, N x 2.54 = 20.32mm
6. XXXX = MILLIMETERS
   SPECIFY MILLIMETERS
   5.0mm MIN TO 45.0mm MAX AVAILABLE
   IN 0.5mm INCREMENT
   EXAMPLE FOR STACK HEIGHT: 1 2 7 5 = 12.75mm
7. MATING LENGTH = (OAL)–(2.41)–(STACK HEIGHT)
8. 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 ±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.
   c – LABELLING:
   – MEETS PACKAGING SPECS AS PER GS–14–920
   d – THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS–47–0004.
9. PIN STYLE 35 ONLY AVAILABLE WITH PLATING CODE "4"
10. THIS PART SERIES IS NOT INITIALLY INTENDED FOR AUTOMOTIVE APPLICATIONS. ADDITIONAL FEES ARE CHARGEABLE FOR ANY ADDITIONAL QUALIFICATION AND TEST REPORTS PERFORMED OUTSIDE THE SCOPE OF THE STANDARD PRODUCT SPECIFICATIONS.
11. UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.

ltr	ecn no	dr	date
H	B–15647	LMU	13.02.14
J	B–18962	LMU	14.09.29
K	B–19782	AMA	14.12.16
L	F–46811	DDE	22.12.20
M	F–47062	DDE	23.01.18
N	F–54494	DDE	25.02.05

dr	L.MULIN	01.01.24
engr	J.COMPAGNON	01.01.24
chr	J.COMPAGNON	01.01.24
appd	J.COMPAGNON	01.01.24

mat'l. code: SEE NOTES
surface: ISO 1302
tolerance: ISO 406 ISO 1101
tolerances unless otherwise specified: angles; linear: X.X ±0.3, X.XX ±0.13, X.XXX ±0.05
projection
mm
scale 4:1
product family: BERGSTIK
title: UNSHR.HEADER STR DR TMT
dwg no 54112
sheet 1 of 1
size A3
type CUSTOMER Drawing
sheet index
revision sheet

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form: A3

PDS: Rev :N STATUS:Released Printed: Feb 06, 2025