

PRODUCT NUMBER  
54776-XXX-XXLF

EXTENDED RANGE

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

PLATING  
(AS AVAILABLE)

- 1 = 0.76µm GOLD/GXT ON CONTACT AREA  
OVER 1.27µm NICKEL MIN
- 5 = 0.38µm GXT (PdNi WITH GOLD  
FLASH) ON CONTACT AREAS OVER  
1.27µm NICKEL MIN
- 6 = 0.76µm GXT (PdNi WITH GOLD  
FLASH) ON CONTACT AREAS OVER  
1.27µm NICKEL MIN
- F = 0.05µm GOLD ON CONTACT AREAS  
OVER 1.27µm NICKEL MIN

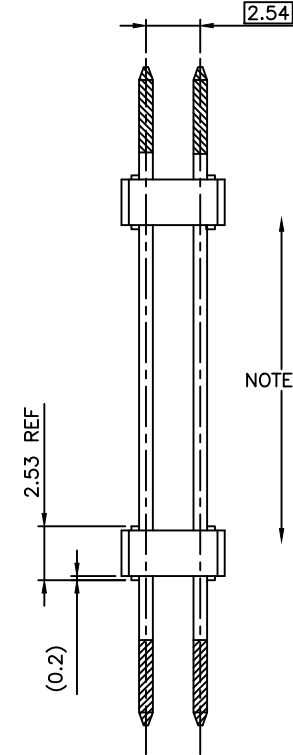
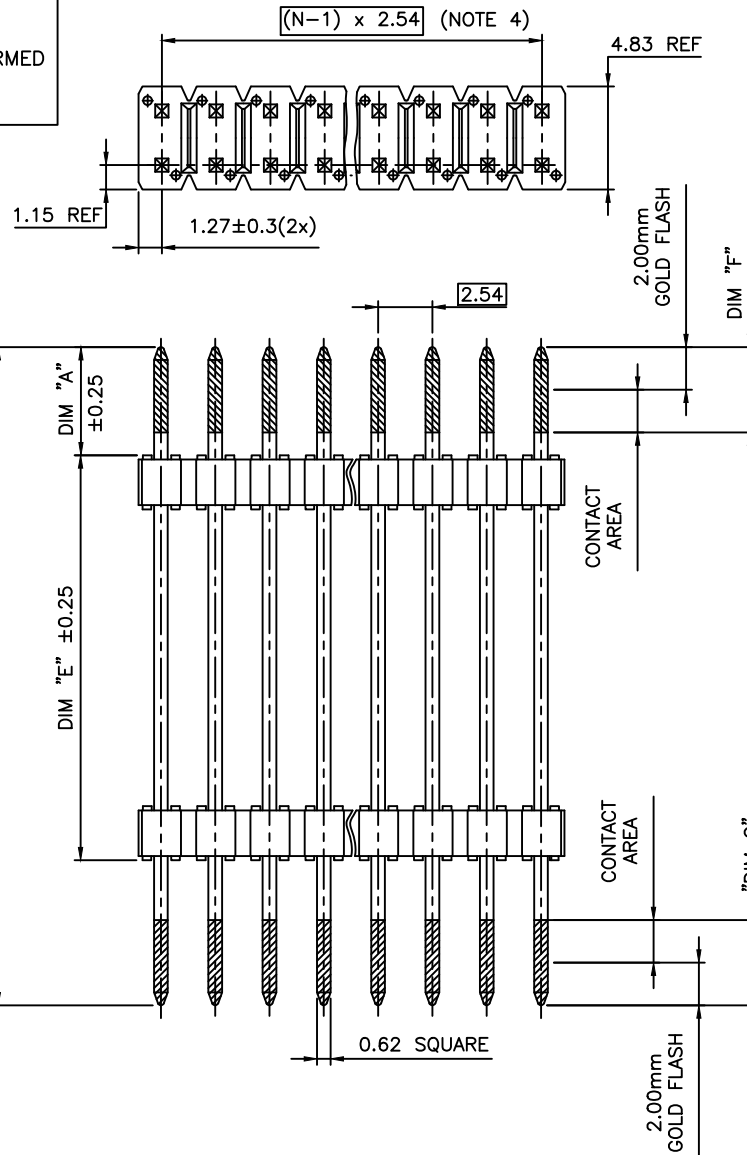
RoHS COMPATIBLE, SEE NOTE 6

TOTAL NB OF POSITIONS  
04 TO 72

PIN STYLE  
(AS AVAILABLE)

PIN STYLE	DIM "A"	DIM "E"	"OAL"	DIM "F"	DIM "G"
01	4.8	21.0	35.8	4.0 MIN	4.0 MIN
02	4.8	24.5	38.4	4.0 MIN	4.0 MIN
03	5.8	16.0	31.1	4.0 MIN	4.0 MIN
04	SEE DIMENSIONS ON SHEET 2			6.0 MIN	6.0 MIN
05	8.5	15.0	35.8	6.5 MIN	8.0 MIN
06	9.6	16.0	35.9	6.0 MIN	6.0 MIN
07	8.05	15.0	31.1	4.0 MIN	4.0 MIN
08	5.70	19.10	34.1	4.0 MIN	4.0 MIN
09	8.75	16.36	31.0	4.0 MIN	4.0 MIN
10	8.30	9.90	26.5	4.0 MIN	4.0 MIN
11	6.10	6.10	18.55	4.0 MIN	4.0 MIN
12	5.60	25.50	36.66	4.0 MIN	4.0 MIN
13	4.70	21.70	31.1	4.0 MIN	4.0 MIN
14	9.00	9.30	24.51	4.0 MIN	4.0 MIN
15	5.75	26.90	38.4	4.0 MIN	4.0 MIN
16	11.00	11.90	33.90	8.0 MIN	8.0 MIN
17	15.00	40.00	59.6	15.0 MIN	4.6 MIN
18	18.00	17.00	39.6	18.0 MIN	4.6 MIN
19	9.25	15.70	32.5	4.0 MIN	7.0 MIN
20	5.75	19.00	31.1	4.0 MIN	4.0 MIN
21	17.20	9.80	32.7	12.0 MIN	4.0 MIN
22	16.85	8.50	31.10	4.0 MIN	4.0 MIN
23	4.20	8.50	34.60	4.0 MIN	15.0 MIN
24	7.90	7.50	34.60	5.0 MIN	14.0 MIN
25	4.20	5.10	17.20	4.0 MIN	4.0 MIN
26	9.14	18.28	33.78	8.0 MIN	5.0 MIN
27	9.14	9.14	23.62	8.0 MIN	4.0 MIN
28	5.70	35.60	47.00	4.0 MIN	4.0 MIN
29	6.61	48.50	61.72	4.0 MIN	4.0 MIN
30	7.65	12.70	28.00	4.0 MIN	4.0 MIN

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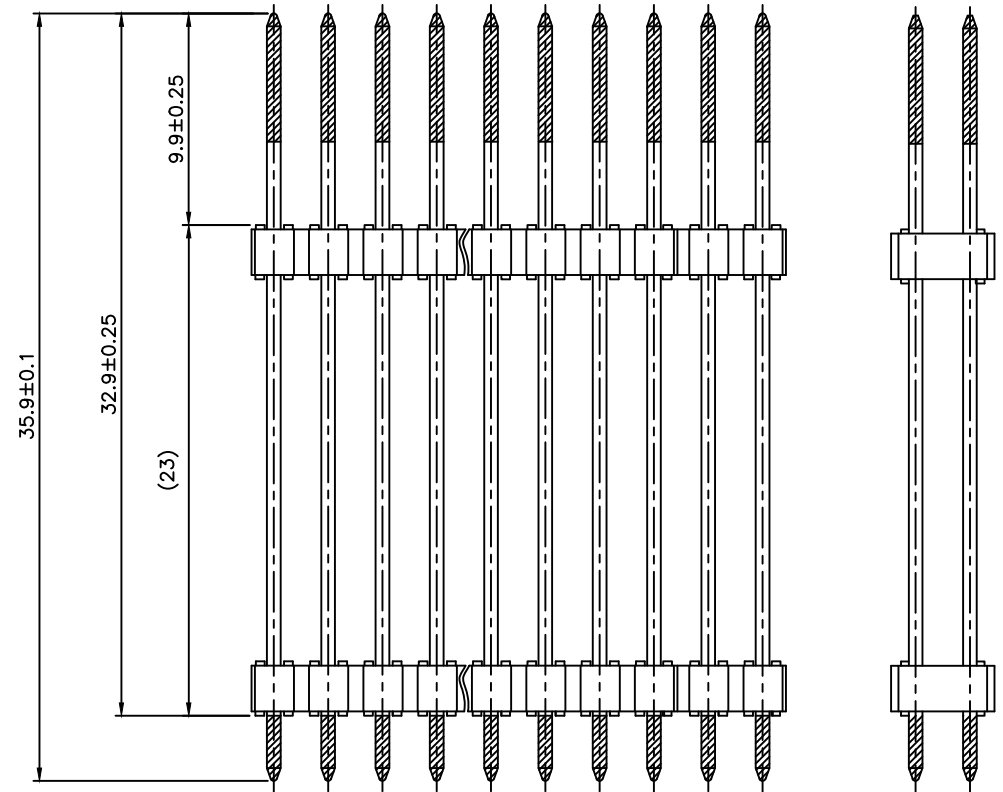
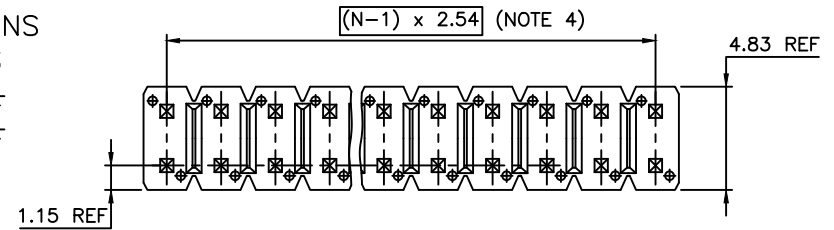
mat'l. code				surface	tolerance	projection	product family		
ISO 1302				ISO 406	ISO 1101		BERGSTIK		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
Y	F-39231	DDE	20.12.07	angles	linear		HEADER DR		
AA	F-42955	DDE	21.11.16				DOUBLE BODY TRIPLEX		
AB	F-46815	DDE	22.12.20				dwg no		
AC	F-49166	TJA	23.07.12	dr	L.MULIN	02.03.04	sheet 1 of 2		
AD	F-50774	DDE	24.02.20	engr	J.COMPAGNON	02.03.04	size		
AE	F-55069	DDE	25.03.20	chr	J.COMPAGNON	02.04.02	54776		
				appd	J.COMPAGNON	02.04.02	A3		
sheet				revision	AE	C	type		
index				sheet	1	2	CUSTOMER Drawing		




# NOTES:

- 1 - HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- 2 - PIN MATERIAL : PHOSPHOR BRONZE
- 3 - 9N MIN RETENTION IN EITHER DIRECTION
- 4 - TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS PER ROW,  $N \times 2.54 = 20.32\text{mm}$
- 5 - STANDARD PACKAGING IN POLYBAG
- 6 - RoHS COMPATIBLE PRODUCT SPECIFICATIONS
  - a - PLATING:  
- "LF" MEANS THE PRODUCT IS LEAD-FREE,
  - b - MANUFACTURING PROCESS COMPATIBILITY  
- THE HOUSING WILL WITHSTAND EXPOSURE TO  $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$  SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.
  - c - LABELING:  
- MEETS PACKAGING SPECS AS PER GS-14-920
  - d - LEGAL STATEMENT: SEE GS-47-0004
- 7 - 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.
- 8 - UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.

## PRODUCT DIMENSIONS FOR REFERENCES

54776-604-06LF  
54776-604-20LF



mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK					
ltr	ecn no	dr	date	tolerances unless otherwise specified						title					
A	F08.0116	JCO	08.02.24	angles		linear				HEADER DR					
B	F-39231	DDE	20.12.07					scale 5:1		DOUBLE BODY TRIPLEX					
C	F-55069	DDE	25.03.20												
				dr	L.MULIN		08.01.15				dwg no		sheet 2 of 2		size
				enr	J.COMPAGNON		08.01.15				54776		A3		
				chr											
				appd											
sheet index		revision sheet													