

PRODUCT NUMBER
10118650-XXX XXXXL

LEAD FREE
SEE NOTE 1,11

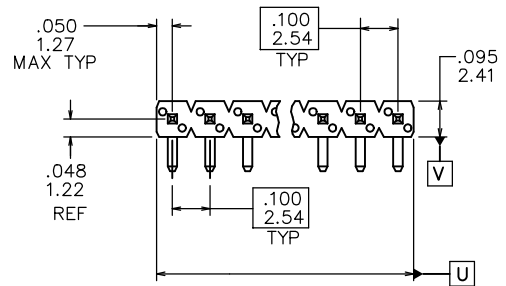
PACKAGING OPTION
SEE NOTE 1

INDICATE DIFFERENT MATING LENGTH
AND TAIL LENGTH AND POLARIZED PIN
AND OTHER INFORMATION

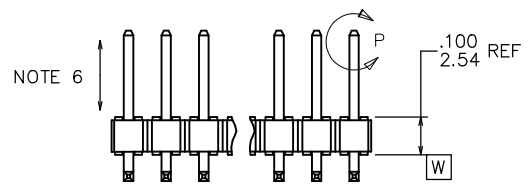
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

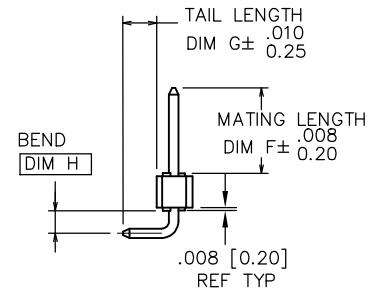
BASE PART NO.



TOP VIEW



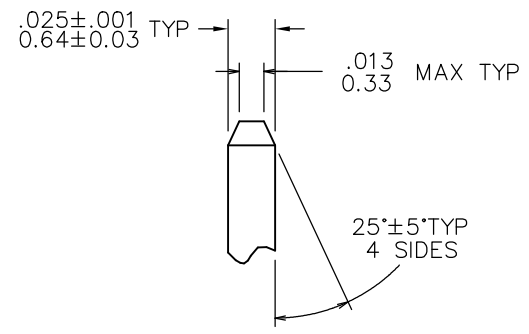
SIDE VIEW




END VIEW

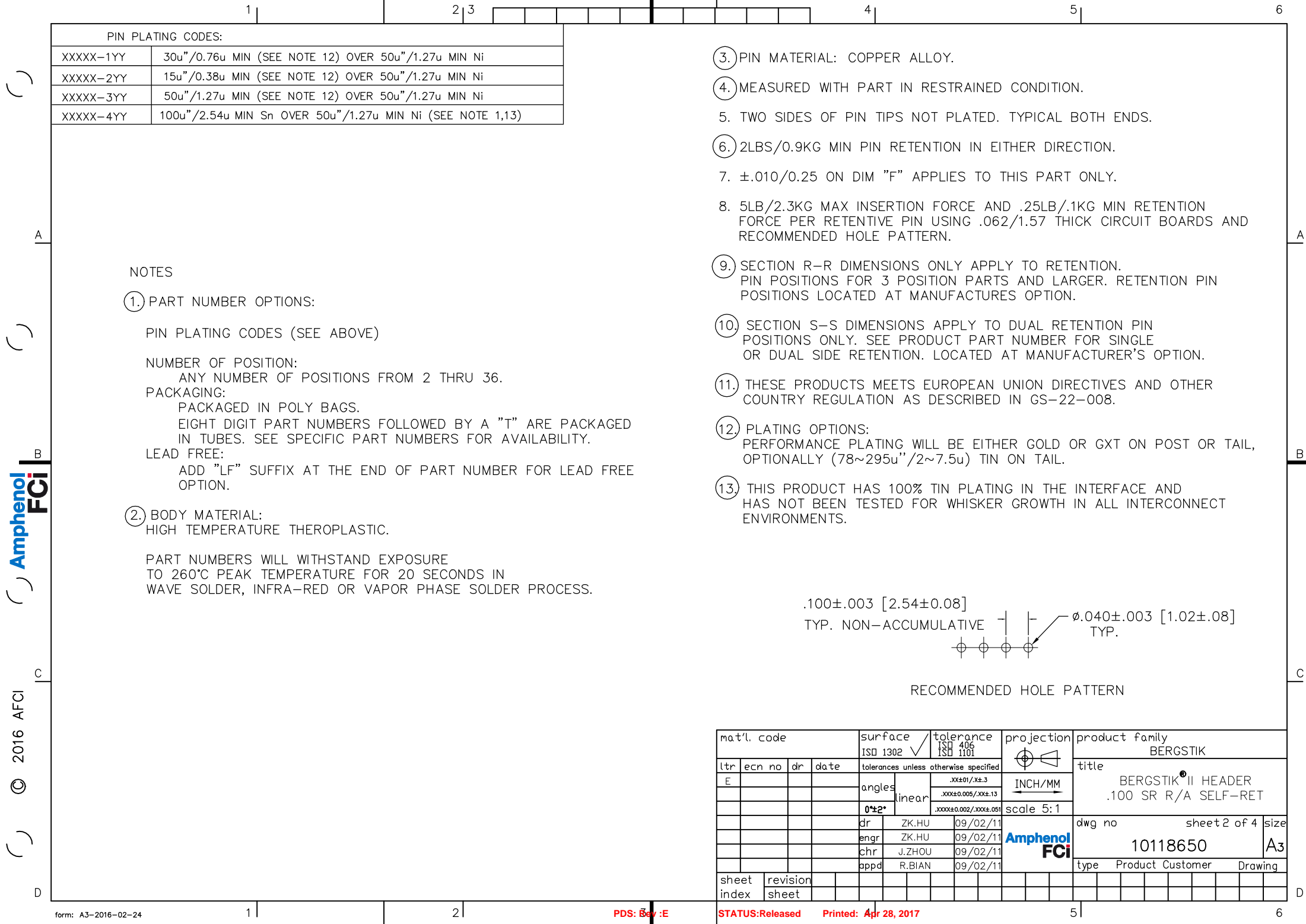
⊕	⌀.020/0.51	M	U	M	V	S	W
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NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK							
l	tr	ec	n	o	dr	date	tolerances unless otherwise specified				title						
C	ELX-N-19714	J.H	12/11/14				angles		linear		.XX±.01/.X±.3		INCH/MM BERGSTIK® II HEADER .100 SR R/A SELF-RET				
D	ELX-N-20789	J.H	04/29/15								.XXX±0.005/.XXX±.13						
E	ELX-N-26709	MZ	4/18/17				0°±2°				.XXXX±0.002/.XXXX±.051						
					dr		ZK.HU	09/02/11			Amphenol FCI		dwg no		sheet 1 of 4		size
					enr		ZK.HU	09/02/11					10118650		A3		
					chr		J.ZHOU	09/02/11									
					appd		R.BIAN	09/02/11									
sheet index		revision		E	E	E							type		Product Customer		Drawing
		sheet		1	2	3											



PIN PLATING CODES:

XXXX-1YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,13)

NOTES

1. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

NUMBER OF POSITION:

ANY NUMBER OF POSITIONS FROM 2 THRU 36.

PACKAGING:

PACKAGED IN POLY BAGS.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

LEAD FREE:

ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.

2. BODY MATERIAL:

HIGH TEMPERATURE THEROPLASTIC.

PART NUMBERS WILL WITHSTAND EXPOSURE

TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN

WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

3. PIN MATERIAL: COPPER ALLOY.

4. MEASURED WITH PART IN RESTRAINED CONDITION.

5. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.

6. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.

7. ±.010/0.25 ON DIM "F" APPLIES TO THIS PART ONLY.

8. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

9. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURES OPTION.

10. SECTION S-S DIMENSIONS APPLY TO DUAL RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURER'S OPTION.

11. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

12. PLATING OPTIONS: PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

13. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS.

.100±.003 [2.54±0.08]

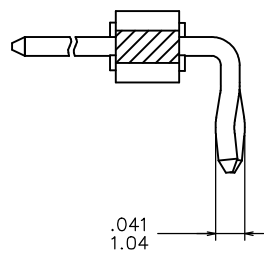
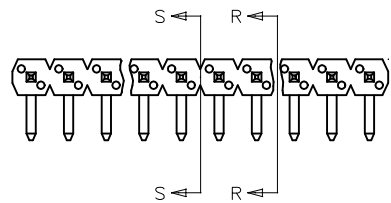
TYP. NON-ACCUMULATIVE

Ø.040±.003 [1.02±.08]
TYP.

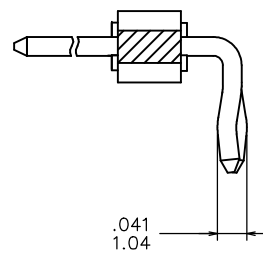
RECOMMENDED HOLE PATTERN

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title BERGSTIK II HEADER .100 SR R/A SELF-RET			
E				angles	linear		dwg no 10118650			
				0°±2°						
				dr	ZK.HU	09/02/11				
				enr	ZK.HU	09/02/11	sheet 2 of 4 size A3			
				chr	J.ZHOU	09/02/11				
				appd	R.BIAN	09/02/11	type Product Customer Drawing			
sheet index	revision sheet									

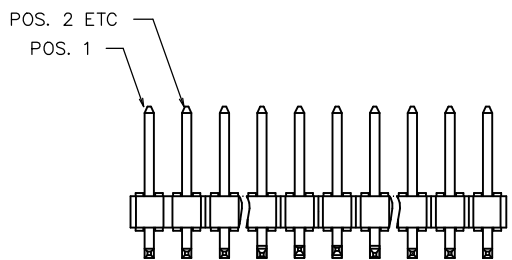
PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM		POLARIZED PIN	RETENTION	LOCATION	LF OPTION	
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H					
10118650—XYY001XLF	0.150	3.80	0.150	3.80	0.060	1.52	—	YES		NOTE 1,11	
10118650—XYY002XLF	0.150	3.80	0.150	3.80	0.060	1.52	2,4,6	YES			
10118650—XYY003XLF	0.100	2.54	0.120	3.05	0.060	1.52	2,4,6,8,10	NO			
10118650—XYY004XLF	0.120	3.05	0.130	3.30	0.060	1.52	4	NO			



SECTION R-R
NOTE 9



SECTION S-S
NOTE 10



mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title BERGSTIK® II HEADER .100 SR R/A SELF-RET			
E				angles	linear		dwg no 10118650			
				0°±2°						
				dr	ZK.HU	09/02/11				
				enr	ZK.HU	09/02/11	sheet 3 of 4			
				chr	J.ZHOU	09/02/11	size A3			
				appd	R.BIAN	09/02/11	type Product Customer Drawing			
sheet index	revision sheet									

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[10118650-415004LF](#) [10118650-406001LF](#) [10118650-407002LF](#) [10118650-403005LF](#) [10118650-407008LF](#)
[10118650-405006LF](#) [10118650-406007LF](#)