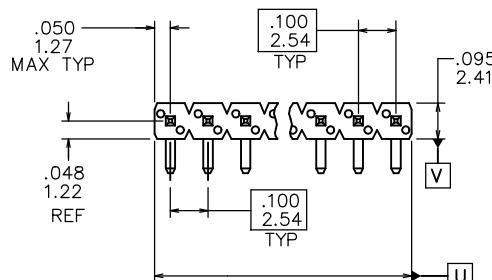
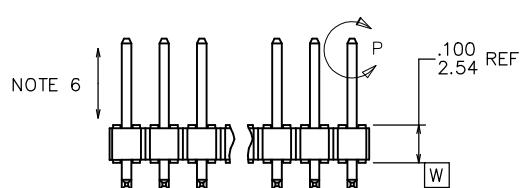


Amphenol
FCIPRODUCT NUMBER
10118650-XYY XXXXLFLEAD FREE
SEE NOTE 1,11PACKAGING OPTION
SEE NOTE 1INDICATE DIFFERENT MATING LENGTH
AND TAIL LENGTH AND POLARIZED PIN
AND OTHER INFORMATIONNO OF
POSITIONS
SEE NOTE 1PIN PLATING
SEE SHEET 2

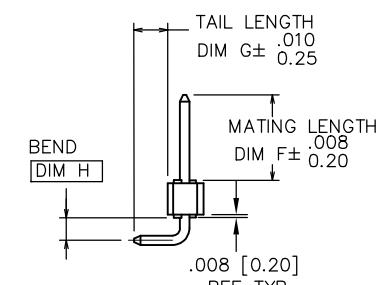
BASE PART NO.



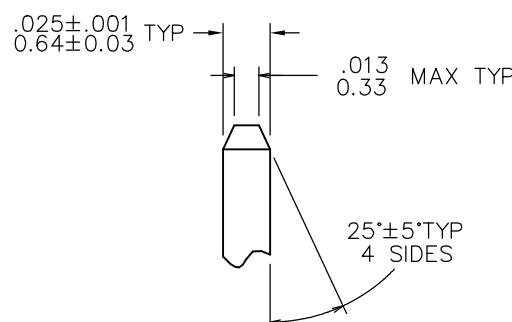
TOP VIEW



SIDE VIEW



END VIEW

DETAIL P
TYP BOTH ENDS

mat'l. code				surface	tolerance	projection	product family
ltr	ecn no	dr	date	ISD 1302 ✓			BERGSTIK
C	ELX-N-19714	J.H	12/11/14	ISD 406 ISD 1101			BERGSTIK® II HEADER .100 SR R/A SELF-RET scale 5:1
D	ELX-N-20789	J.H	04/29/15	angles	.XX±01/XX±3 .XXX±0.005/XXX±13		
E	ELX-N-26709	M.Z	4/18/17	linear	.XXXX±0.002/.XXXX±051		
				oppd	R.BIAN	04/29/15	
sheet	revision	E	E	dr	ZK.HU	09/02/11	dwg no
index	sheet	1	2	engr	ZK.HU	09/02/11	sheet 1 of 4
			3	chr	J.ZHOU	09/02/11	size
				oppd	R.BIAN	09/02/11	Amphenol FCI
				sheet	revision	E	type
				index	sheet	E	Product Customer Drawing

PIN PLATING CODES:

XXXXX-1YY	30 μ "/0.76u MIN (SEE NOTE 12) OVER 50 μ "/1.27u MIN Ni
XXXXX-2YY	15 μ "/0.38u MIN (SEE NOTE 12) OVER 50 μ "/1.27u MIN Ni
XXXXX-3YY	50 μ "/1.27u MIN (SEE NOTE 12) OVER 50 μ "/1.27u MIN Ni
XXXXX-4YY	100 μ "/2.54u MIN Sn OVER 50 μ "/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. $\pm 0.010/0.25$ 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 MANUFACTURER'S 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 (78~295 μ "/2~7.5u) TIN ON TAIL.

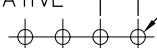
⑬ THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS.

.100 ± 0.003 [2.54 ± 0.08]

TYP. NON-ACCUMULATIVE

Ø.040 ± 0.003 [1.02 ± 0.08]

TYP.



RECOMMENDED HOLE PATTERN

mat'l. code				surface	tolerance	projection	product family
ltr	ecn no	dr	date	ISO 1302	ISO 406 ISO 1101		BERGSTIK
E					xx ± 0.01 /xx ± 3		
					xxx ± 0.005 /xxx ± 15		
					0 ± 2		
		dr	ZK.HU	09/02/11			
		engr	ZK.HU	09/02/11			
		chr	J.ZHOU	09/02/11			
		oppd	R.BIAN	09/02/11			
sheet index		revision sheet					

Amphenol FCI

dwg no 10118650 A3

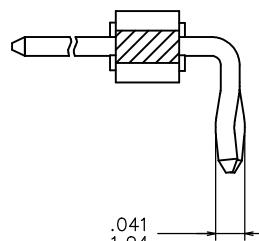
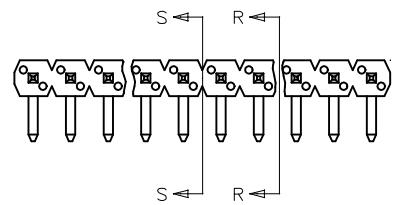
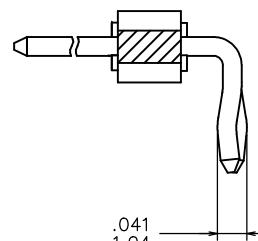
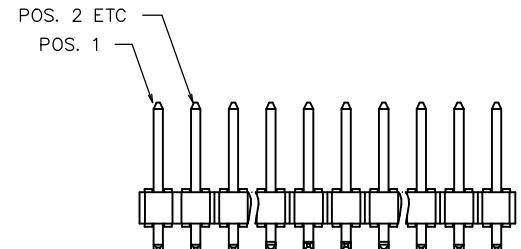
type Product Customer Drawing

1 2 3 4 5 6

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	

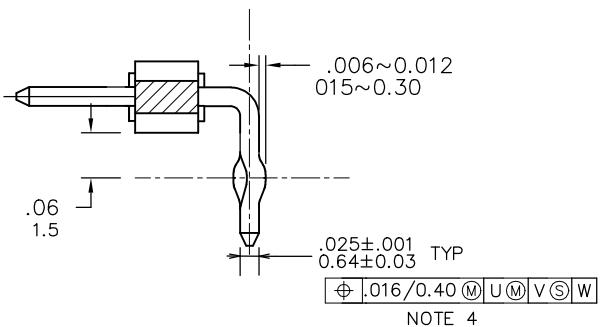
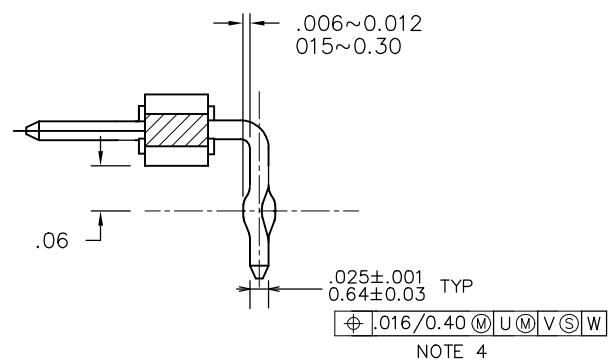
A

A

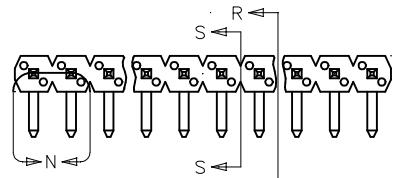
SECTION R-R
NOTE 9SECTION S-S
NOTE 10

mat'l. code				surface		tolerance		projection	product family	
ltr	ecn no	dr	date	ISD 1302		ISD 406	ISD 1101		BERGSTIK	
				tolerances unless otherwise specified						
E				angles		.001-.003			INCH/MM	
				linear		.000±0.005/.000±.15			.000±0.002/.000±.05	
				0°±2°		dr			scale 5:1	
				engr		ZK.HU			dwg no	
				chr		09/02/11			sheet 3 of 4	
				oppd		R.BIAN			size	
				sheet	revision				Amphenol	FCI
				index	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-X03005XLF	0.150	3.80	0.150	3.80	0.060	1.52	2	YES	1,3	NOTE 1,11
10118650-X05006XLF	0.150	3.80	0.150	3.80	0.060	1.52	—	YES	3,4	
10118650-X06007XLF	0.150	3.80	0.150	3.80	0.060	1.52	—	YES	3,4	
10118650-X07008XLF	0.150	3.80	0.150	3.80	0.060	1.52	2,4,6	YES	3,5	
10118650-X04009XLF	0.150	3.80	0.150	3.80	0.060	1.52	—	YES	2,3	



SCALE 2:1
SECTION R-R
NOTE 13



SCALE 2:1
SECTION S-S
NOTE 12

mat'l. code				surface	tolerance	projection	product family
ltr	ecn no	dr	date	ISO 1302	ISO 406 ISO 1101		BERGSTIK
E					.XX±01/XX±3 .XXX±0.005/XXX±15 0*±2*		INCH/MM
							scale 5:1
		dr	ZK.HU	09/02/11			
		engr	ZK.HU	09/02/11			
		chr	J.ZHOU	09/02/11			
		oppd	R.BIAN	09/02/11			
sheet index		revision sheet					

Amphenol FCI

dwg no sheet 4 of 4 size
10118650 A3

type Product Customer Drawing

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](#)