

PRODUCT NUMBER
SEE TABLE

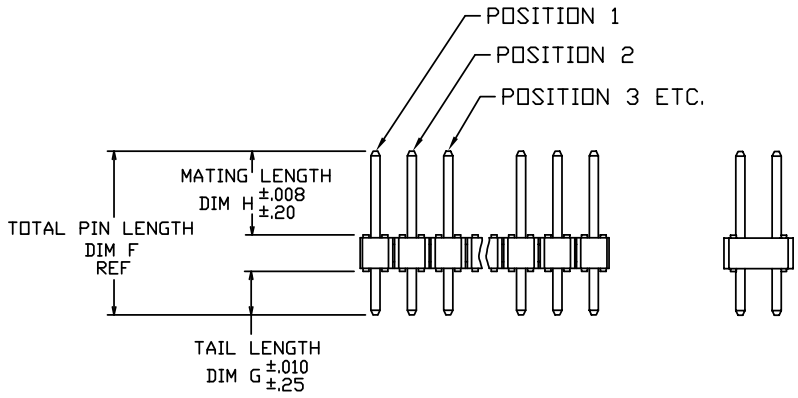
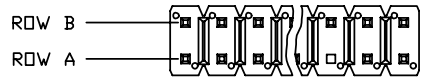
NOTES:

1. FOR PRODUCT GEOMETRY AND GENERAL INFORMATION SEE DRAWINGS 93197 AND 93196.
2. THIS PART IS CUSTOMER REQUESTED WITH RETENTION ON ALL POSITIONS.
3. ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
4. THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
5. PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

BODY MATERIAL:
BERGSTIK: MANUFACTURER'S OPTION OF NYLON, PCT GLASS FIBER REINFORCED, FLAME RETARDENT PER UL-94V-0.
COLOR : BLACK OR MINERAL FILLED LCP, FLAME RETARDENT PER UL-94V-0.
COLOR BLACK.

6. PLATING OPTIONS:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
7. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."



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rev	ecn no	dr	date
BR	V21909	MRA	06/24/03
BS	V04-0163	HTB	2/16/04
BT	M05-0175	ERE	7/28/05
BU	M06-0269	MNR	7/17/06
BV	M06-0346	MHT	9/04/06
BW	M08-0291	MHT	10/06/08
BX	N11-0118	J.Z	2011-04-13

www.fciconnect.com			surface 6.4 ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED			ANGULAR	LINEAR	size A4	Scale 1.000
Dr	T.BREWBAKER	12/28/94	0°	±2°	0.X ±0.3	0.XXX ±0.05
Eng	T. HANNA	12/28/94	Product family BERGSTIK		ECN N11-0118	Spec ref
Chr	T. HANNA	12/28/94	title BERGSTIK® II HDR. D/R .100 PDL. SELF-RET		dwg no 69197	Rev. BX
Appr	T. HANNA	12/28/94	catalog no	CUSTOMER	sheet 1 of 4	

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PRODUCT NUMBER	SIZE	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		WIRE CODE	POLARIZED POSITIONS	PACKAGING	NOTES	LEAD FREE WIRE CODE	LEAD FREE OPTION
		DIM F	DIM F	DIM G	DIM G	DIM H	DIM H						
		ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC						
69197-001	2x10	0.450	11.43	0.120	3.05	0.230	5.84	2	A-3	POLY BAGS	-	2	NOTE 3, 4
69197-002	2x10	0.450	11.43	0.120	3.05	0.230	5.84	2	A-7	POLY BAGS/TUBES	-	2	
69197-003	2x17	0.450	11.43	0.120	3.05	0.230	5.84	2	A-3	POLY BAGS/TUBES	-	2	
69197-004	2x17	0.450	11.43	0.120	3.05	0.230	5.84	2	A-8	POLY BAGS/TUBES	-	2	
69197-005	2x20	0.450	11.43	0.120	3.05	0.230	5.84	2	A-11	POLY BAGS/TUBES	-	2	
69197-006	2x25	0.450	11.43	0.120	3.05	0.230	5.84	2	A-8	POLY BAGS	-	2	
69197-007	2x25	0.450	11.43	0.120	3.05	0.230	5.84	2	A-10	POLY BAGS	-	2	
69197-008	2x25	0.450	11.43	0.120	3.05	0.230	5.84	2	A-15	POLY BAGS	-	2	
69197-009	2x15	0.450	11.43	0.120	3.05	0.230	5.84	1	A-3	POLY BAGS	-	1	
69197-010	2x20	0.450	11.43	0.120	3.05	0.230	5.84	2	A-1	POLY BAGS	-	2	
69197-011	2x25	0.450	11.43	0.120	3.05	0.230	5.84	2	A-22 B-17	POLY BAGS	-	2	
69197-012	2x17	0.505	12.83	0.120	3.05	0.285	7.24	4	A-8,9,10,14 B-8,9,10,14	POLY BAGS	-	4LF	
69197-013	2x7	0.450	11.43	0.120	3.05	0.230	5.84	2	A-1	POLY BAGS	-	2	
69197-014	2x13	0.450	11.43	0.120	3.05	0.230	5.84	2	A-5	POLY BAGS	-	2	
69197-015	2x13	0.450	11.43	0.120	3.05	0.230	5.84	1	A-4 B-7	POLY BAGS	-	1	
69197-016	2x30	0.450	11.43	0.120	3.05	0.230	5.84	1	A-5	POLY BAGS	-	1	
69197-017	2x9	0.450	11.43	0.120	3.05	0.230	5.84	1	A-3 B-4	POLY BAGS	-	1	
69197-018	2x13	0.450	11.43	0.120	3.05	0.230	5.84	2	A-2	POLY BAGS	-	2	
69197-019	2x13	0.450	11.43	0.120	3.05	0.230	5.84	2	A-12	POLY BAGS	-	2	
69197-020	2x12	0.450	11.43	0.120	3.05	0.230	5.84	2	A-9	POLY BAGS	-	2	
69197-021	2x8	0.450	11.43	0.120	3.05	0.230	5.84	2	A-4 A-5 B-5	POLY BAGS	-	2	
69197-022	2x6	0.450	11.43	0.120	3.05	0.230	5.84	1	A-1 B-5	POLY BAGS	-	1	
69197-023	2x17	0.450	11.43	0.120	3.05	0.230	5.84	1	A-3	POLY BAGS	-	1	
69197-024	2x20	0.450	11.43	0.120	3.05	0.230	5.84	1	A-11	POLY BAGS	-	1	
69197-025	2x13	0.450	11.43	0.120	3.05	0.230	5.84	1	A-13	POLY BAGS	-	1	
69197-026	2x8	0.450	11.43	0.120	3.05	0.230	5.84	1	A-6 B-1	POLY BAGS	-	1	
69197-027	2x3	0.720	18.29	0.120	3.05	0.500	12.70	1	A-2, 3 B-2, 3	POLY BAGS	-	1	

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www.fciconnect.com			surface <input checked="" type="checkbox"/> ISO 1302	tolerance std <input checked="" type="checkbox"/> ISO 406 ISO 1101	projection	INCH/MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	T.BREWBAKER	12/28/94	ANGULAR	LINEAR	0.X	±0.3	size A4
Eng	T. HANNA	12/28/94			0.XX	±0.15	
Chr	T. HANNA	12/28/94	0°	±2°	0.XXX	±0.05	ECN N11-0118
Appr	T. HANNA	12/28/94	Product family BERGSTIK		Spec ref		
			title BERGSTIK® II HDR. D/R .100 POL. SELF-RET		dwg no 69197		Rev. BX
			catalog no		CUSTOMER		sheet 2 of 4

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PDM: Rev:BX

STATUS Released 4 Printed: Apr 20, 2011

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PRODUCT NUMBER	SIZE	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		WIRE CODE	POLARIZED POSITIONS	PACKAGING	NOTES	LEAD FREE WIRE CODE	LEAD FREE WIRE CODE
		DIM F ENGLISH	DIM F METRIC	DIM G ENGLISH	DIM G METRIC	DIM H ENGLISH	DIM H METRIC						
69197-028	2x4	0.450	11.43	0.120	3.05	0.230	5.84	2	B-3	POLY BAGS	-	2	NOTE 3, 4
69197-029H	2x4	0.450	11.43	0.120	3.05	0.230	5.84	2	B-2	POLY BAGS	-	2	
69197-030H	2x13	0.450	11.43	0.120	3.05	0.230	5.84	2	B-1	POLY BAGS	-	2	
69197-031H	2x3	0.450	11.43	0.120	3.05	0.230	5.84	2	A-2	POLY BAGS	-	2	
69197-032	2x20	0.460	11.68	0.120	3.05	0.240	6.10	2	A-11	POLY BAGS	NOTE 2	2	
69197-033H	2X10	0.450	11.43	0.120	3.05	0.230	5.84	2	A-1	POLY BAGS	-	2	
69197-034H	2x15	0.450	11.43	0.120	3.05	0.230	5.84	2	B-1	POLY BAGS	-	2	
69197-035H	2x8	0.450	11.43	0.120	3.05	0.230	5.84	2	B-7	POLY BAGS	-	2	
69197-036H	2x14	0.450	11.43	0.120	3.05	0.230	5.84	1	A-5&10 B-5&10	POLY BAGS	-	1	
69197-037H	2x13	0.450	11.43	0.120	3.05	0.230	5.84	2	A-7	POLY BAGS	-	2	
69197-038H	2x15	0.450	11.43	0.120	3.05	0.230	5.84	2	A-14	POLY BAGS	-	2	
69197-039H	2x17	0.450	11.43	0.120	3.05	0.230	5.84	2	A-12	POLY BAGS	-	2	
69197-040H	2x20	0.450	11.43	0.120	3.05	0.230	5.84	1	B-3	POLY BAGS	-	1	
69197-041H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	2	B-5	POLY BAGS	-	2	
69197-042H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	2	A-4 B-2	POLY BAGS	-	2	
69197-043H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	4	A-3&4 B-3&4	POLY BAGS	-	4LF	
69197-044H	2x17	0.450	11.43	0.120	3.05	0.230	5.84	2	A-2	POLY BAGS	-	2	
69197-045H	2x13	0.425	10.80	0.120	3.05	0.205	5.21	4	B-1	POLY BAGS	-	4	
69197-046H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	2	B-3	POLY BAGS	-	2	
69197-047H	2x7	0.450	11.43	0.120	3.05	0.230	5.84	2	B-2	POLY BAGS	-	2	
69197-048H	2x6	0.450	11.43	0.120	3.05	0.230	5.84	2	B-4	POLY BAGS	-	2	
69197-049H	2x22	0.450	11.43	0.120	3.05	0.230	5.84	1	A-2,3,5,6,8,9,11,12,14,15,17,18,20,21 B-2,3,5,6,8,9,11,12,14,15,17,18,20,21	POLY BAGS	-	1	
69197-050H	2x14	0.425	10.80	0.120	3.05	0.205	5.21	4	B-14	POLY BAGS	-	4LF	
69197-051H	2x7	0.450	11.43	0.120	3.05	0.230	5.84	2	B-4	POLY BAGS	-	2	
69197-052H	2x7	0.450	11.43	0.120	3.05	0.230	5.84	2	B-3	POLY BAGS	-	2	
69197-053H	2x7	0.450	11.43	0.120	3.05	0.230	5.84	2	A-1	POLY BAGS	-	2	
69197-054H	2x9	0.450	11.43	0.120	3.05	0.230	5.84	2	A-3 & B-4	POLY BAGS	-	2	

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www.fciconnect.com			surface ISO 1302 <input checked="" type="checkbox"/>	tolerance std ISO 406 ISO 1101	projection	INCH/MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	T.BREWBAKER	12/28/94	ANGULAR	LINEAR	0.X	±0.3	size A4
Eng	T. HANNA	12/28/94			0.XX	±0.15	
Chr	T. HANNA	12/28/94	0°	±2°	0.XXX	±0.05	ECN N11-0118
Appr	T. HANNA	12/28/94	Product family BERGSTIK		Spec ref		
			title BERGSTIK® II HDR. D/R .100 POL. SELF-RET		dwg no 69197		Rev. BX
			catalog no		CUSTOMER		sheet 3 of 4

REV F - 2006-04-17

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PDM: Rev:BX

STATUS Released 4 Printed: Apr 20, 2011

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PRODUCT NUMBER	SIZE	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		WIRE CODE	POLARIZED POSITIONS	PACKAGING	NOTES	LEAD FREE WIRE CODE	LEAD FREE OPTION
		ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC						
69197-055H	2x20	0.450	11.43	0.120	3.05	0.230	5.84	2	A-13,A-14,B-14	POLY BAGS	-	2	NOTE 3, 4
69197-056H	2x7	0.415	10.54	0.085	2.16	0.230	5.84	1	A-5	POLY BAGS	-	1	
69197-057H	2x20	0.780	19.81	0.120	3.05	0.560	14.22	1	A-4.5.6.15.16.17,B-4.5.6.15.16.17	POLY BAGS	-	1	
69197-058H	2x17	0.470	11.94	0.120	3.05	0.250	6.35	4	A-2.4.6, B-2.4.6	POLY BAGS	NOTE 2	4LF	
69197-059H	2x7	0.676	17.17	0.125	3.18	0.451	11.46	2	A & B - 2.3,5,6	POLY BAGS	-	2	
69197-060H	2x9	0.450	11.43	0.120	3.05	0.230	5.84	2	B-7	POLY BAGS	-	2	
69197-061H	2x8	0.425	10.79	0.095	7.41	0.230	5.84	2	B-5, B-7	POLY BAGS	-	2	
69197-062H	2x20	0.630	16.00	0.125	3.18	0.407	10.84	1	A-2.3.5.6.7.14.15.16.18.19 B-2.3.5.6.7.14.15.16.18.19	POLY BAGS	-	1	
69197-063H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	2	B-1	POLY BAGS	-	2	
69197-064H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	2	A-5	POLY BAGS	-	2	
69197-065H	2x5	0.450	11.43	0.120	3.05	0.230	5.84	2	B-4	POLY BAGS	-	2	NOTE 3, 4

PIN PLATING CODES	
1	30u"/0.76u MIN (SEE NOTE 6) OVER 50u"/1.27u MIN Ni
2	15u"/0.38u MIN (SEE NOTE 6) OVER 50u"/1.27u MIN Ni
4	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 7)
4HLF	

www.fciconnect.com			surface ISO 1302 <input checked="" type="checkbox"/>	tolerance std ISO 406 ISO 1101	projection 	INCH/MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	T. BREWBAKER	12/28/94	ANGULAR	LINEAR	0.X	±0.3	size A4
Eng	T. HANNA	12/28/94			0.XX	±0.15	
Chr	T. HANNA	12/28/94	0°	±2°	0.XXX	±0.05	ECN N11-0118
Appr	T. HANNA	12/28/94	Product family		BERGSTIK		Spec ref
			title		BERGSTIK® II HDR. D/R .100 POL. SELF-RET		dwg no 69197
			catalog no		CUSTOMER		Rev. BX
					sheet 4 of 4		

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