

Direct Links ...>

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- RoHS/LF P/N search
- Document & Drawing search
- Application tooling

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- Brochures & catalogs
- Product documentation
- Technical library

68016-436HLF

[Assistant](#)



68016-436HLF - BergStik®

Unshrouded header, Through Hole, Single row, 36 Positions, 2.54 mm Pitch, Right Angle, 5.84 mm (0.23 in.) Mating, 3.05 mm (0.12 in.) Tail

ACTIVE

[Customer Drawing](#)

RoHS compatible

Electronics division

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Mating Half



75915-336LF 36 Position PCB Mounted Receptacle Through Mount, Top Entry, Single Row



76341-336LF 36 Position PCB Mounted Receptacle Through Mount, Top Entry, Single Row



71607-336LF 36 Position Horizontal Card Connector, Surface Mount, Single row

Download document

Technical Resources

- [> 3D IGES](#)
- [> RoHS qualification documents](#)
- [> Product Specification](#)

Literature

- [> Basics+ Product Focus](#)
- [> Basics+ Brochure](#)
- [> Connectors for Medical Devices Brochure](#)
- [> Products for MicroTCA and AdvancedMC modules Brochure](#)
- [> Connector Overview Brochure](#)
- [> Bergstik PIP Brochure](#)

Application Tooling

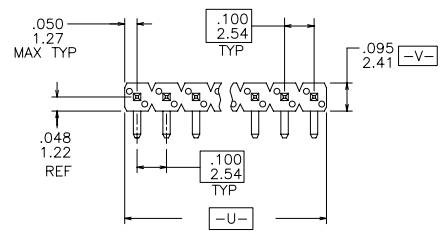
- [> Asia Pacific Application Tooling](#)
- [> Americas Application Tooling](#)
- [> Europe Application Tooling](#)

Specifications

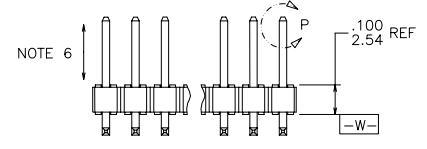
General	
Number of contacts (per row)	36
Number of contacts (Total)	36
Number of rows	1
Orientation	Right Angle
Packaging	Bulk Packaging
Attachment type (Board)	Through Hole
Dimensional	
Length (Tail)	3.05 mm (0.12 in.)
Mating length	5.84 mm (0.23 in.)
Electrical	
Current rating	3 amp Continuous
Resistance (Insulation)	5000 M ohms
Voltage rating	1500V AC rms
Mechanical	
Retention force	8.88N (2 lbf)
Mounting	
Retention feature (Board)	No
Solder process	Vapor-phase IR reflow soldering processes Compatible with Wave
Physical	
Color (Housing)	Black
Material (Contact)	Phospor Bronze
Material (Housing)	High Temperature Black Thermoplastic
Plating (Contact area)	Tin
Plating (Tail)	Tin
Underplating (Contact)	1.27 µm (50 µin.) Nickel
Flammability rating	UL 94 V-0
Temperature (Range)	-65°C to +125°C
Approvals / Certifications	
Approvals / Certifications	UL and CSA Approved
Other Features	
Comments	Sample kit 950501-016
Literature	950559-001

PRODUCT NUMBER
XXXXX-YYY HTLF

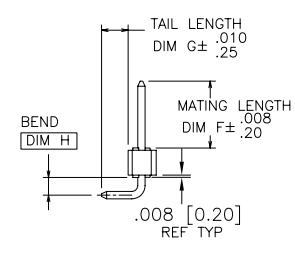
- LEAD FREE OPTION
SEE NOTE 1,8
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



TOP VIEW

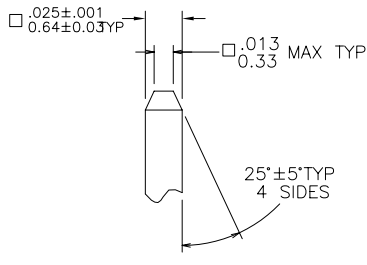


SIDE VIEW



END VIEW

⊕ ⌀.020/0.51 Ⓜ U Ⓜ V Ⓢ W
NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code SEE NOTES 2 & 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
AM	V20790	GP	04/23/02	angles .xxx±.01/0.3	BERGSTIK® II HEADER
AN	V21800	TAB	12/17/02	linear .xxx±.005/0.13	.100/2.54cc SR R/A
AP	M04-0234	MHT	12/29/04	0°±2'	xxxx±.0020/0.051
AR	M05-0072	MHT	5/03/05	dr	T.BREWBAKER 01/31/95
AS	M06-0268	MHT	7/17/06	engr	T.HANNA 01/31/95
AT	M06-0346	MHT	9/04/06	chr	T.HANNA 01/31/95
				appd	T.HANNA 01/31/95
sheet index	revision sheet	AT	AT	AT	AT
	1	2	3	4	

PIN PLATING CODES:	
XXXX-1YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN Au OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 10)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN Au OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN Au OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN GXT OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN GXT OVER 50u"/1.27u MIN Ni

- ③. PIN MATERIAL: PHOS-BRONZE.
- 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. MILITARY BERGSTIK HEADER
P/N XXXXX-YYY-MIL
NOT AVAILABLE.
- ⑧. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑨. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.
- ⑩. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

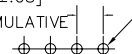
NOTES

- ①. PART NUMBER OPTIONS:
PIN PLATING CODES (SEE ABOVE)
HIGH TEMP. MATERIAL:
FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.
NUMBER OF POSITION:
ANY NUMBER OF POSITIONS FROM 1 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 "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY,-5YYH,-6YY & -6YYH.

- ②. BODY MATERIAL:
MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDENT PER UL-94V-0.
COLOR: BLACK.

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.

.100±.003 [2.54±.08]
TYP. NON-ACCUMULATIVE


 φ.040±.003 [1.02±.08]
TYP.

RECOMMENDED HOLE PATTERN

mat'l. code	surface	tolerance	projection	product family
SEE NOTES 2 & 3	ISO 1302	ISO 406		BERGSTIK
ltr	ecn	no	dr	date
AT				
tolerances unless otherwise specified		angles	linear	title
0°±2'		linear	linear	BERGSTIK® II HEADER
		dr	T.BREWBAKER	01/31/95
		enrg	T.HANNA	01/31/95
		chr	T.HANNA	01/31/95
		appd	T.HANNA	01/31/95
sheet	revision			
index	sheet			
		scale	2:1	title
				BERGSTIK® II HEADER
				.100/2.54cc SR R/A
				dwg no
				68015
				sheet 2 of 4
				size
				A3
				type
				Product Customer Drawing

PRODUCT NUMBER	1 LENGTH		2 3 TAIL LENGTH		BEND DIM		PACKAGING	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H		
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC		
68015-YYY	0.230	5.84	0.090	2.29	0.060	1.52	POLY BAGS/TUBES	NOTE 1,8
68016-YYY	0.230	5.84	0.120	3.05	0.060	1.52	POLY BAGS/TUBES	
68023-YYY	0.135	3.43	0.305	7.75	0.135	3.43	POLY BAGS	
68417-YYY	0.230	5.84	0.390	9.91	0.060	1.52	POLY BAGS	
68423-YYY	0.318	8.08	0.120	3.05	0.060	1.52	POLY BAGS/TUBES	
68458-YYY	0.318	8.08	0.110	2.79	0.060	1.52	POLY BAGS	
68461-YYY	0.400	10.16	0.320	8.13	0.260	6.60	POLY BAGS	
68468-YYY	0.230	5.84	0.195	4.95	0.160	4.06	POLY BAGS	
68488-YYY	0.230	5.84	0.180	4.57	0.060	1.52	POLY BAGS	
68494-YYY	0.400	10.16	0.110	2.79	0.060	1.52	POLY BAGS	
68498-YYY	0.230	5.84	0.220	5.59	0.160	4.06	POLY BAGS	
68626-YYY	0.230	5.84	0.295	7.49	0.060	1.52	POLY BAGS	
68627-YYY	0.120	3.05	0.185	4.70	0.150	3.81	POLY BAGS	
68628-YYY	0.230	5.84	0.590	14.99	0.060	1.52	POLY BAGS	
68641-YYY	0.230	5.84	0.490	12.45	0.060	1.52	POLY BAGS	
68660-YYY	0.110	2.79	0.230	5.84	0.135	3.43	POLY BAGS	
68694-YYY	0.600	15.24	0.120	3.05	0.060	1.52	POLY BAGS	
68757-YYY	0.350	8.89	0.220	5.59	0.100	2.54	POLY BAGS	
68758-YYY	0.275	6.99	0.120	3.05	0.060	1.52	POLY BAGS	
68764-YYY	0.100	2.54	0.120	3.05	0.060	1.52	POLY BAGS	
68782-YYY	0.318	8.08	0.180	4.57	0.060	1.52	POLY BAGS	
68798-YYY	0.110	2.79	0.230	5.84	0.160	4.06	POLY BAGS	
69189-YYY	0.310	7.87	0.250	6.35	0.060	1.52	POLY BAGS	
71270-YYY	0.600	15.24	0.189	4.80	0.060	1.52	POLY BAGS	
72342-YYY	0.120	3.05	0.250	6.35	0.060	1.52	POLY BAGS	
78230-YYY	0.310	7.87	0.330	8.38	0.060	1.52	POLY BAGS	
78231-YYY	0.310	7.87	0.290	7.37	0.060	1.52	POLY BAGS	

mat'l. code	surface	tolerance	projection	product family
SEE NOTES 2 & 3	ISO 1302	ISO 406		BERGSTIK
ltr ecn no dr date	tolerances unless otherwise specified	ISO 1101	INCH/MM	title
AT	angles linear	.XX±.01/0.3	scale 2:1	BERGSTIK® II HEADER
		.XXX±.005/0.13		.100/2.54cc SR R/A
		.XXX±.0020/0.051		dwg no 68015 sheet 3 of 4 size A3
	dr T.BREWBAKER 01/31/95			type Product Customer Drawing
	enrg T.HANNA 01/31/95			
	chr T.HANNA 01/31/95			
	appd T.HANNA 01/31/95			
sheet index	revision sheet			

PDM: Rev:AT STATUS:Released Printed: Dec 05, 2007