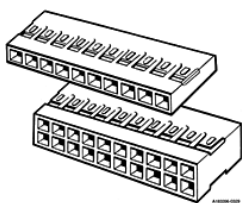


## 65039-032LF

Assistant



### 65039-032LF - Mini-PV™, Basics+

**2.54 mm (0.1 in.) Centerline Crimp-to-Wire PV Receptacle Housing, Single Row**

ACTIVE

[Customer Drawing](#)



Electronics division

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Technical library

### Mating Half



**68000-105HLF** Unshrouded header, Through Hole, Single row, 5 Positions, 2.54 mm Pitch, Vertical, 5.84 mm (0.23 in.) Mating, 2.41 mm (0.095 in.) Tail

**68015-105HLF** Unshrouded header, Through Hole, Single row, 5 Positions, 2.54 mm Pitch, Right Angle, 5.84 mm (0.23 in.) Mating, 2.29 mm (0.09 in.) Tail

### Download document

#### Technical Resources

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

#### Literature

- [> Basics+ Brochure](#)
- [> Connectors for Medical Devices Brochure](#)
- [> Connector Overview Brochure](#)
- [> Basics+ Product Focus](#)
- [> PV@ Connector system](#)
- [> Contacts & Latch Housings Product Focus](#)

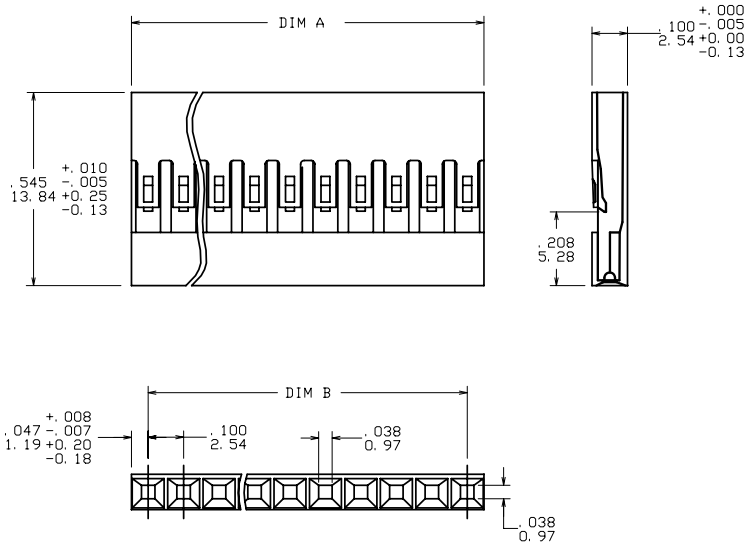
#### Application Tooling

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

### Specifications

General	Dimensional	Electrical	Physical	Approvals / Certifications	Other Features
<b>General</b>					
Number of contacts				5	
Number of rows				1	
Orientation				Vertical	
Product Type				Crimp-to-Wire Housing	
Polarization (Key)				No	
Mating half				Mates with 0.64 mm (0.025 in.) Square Pin with Length of 5.33 mm (0.21 in.) min. to 6.1 mm (0.24 in.) max.	
<b>Dimensional</b>					
Length (Mating pin)				5.33 mm (0.21 in.) to 6.1 mm (0.24 in)	
Size (Wire)				22 to 36 AWG	
<b>Electrical</b>					
Resistance (Insulation)				100000 M ohms	
Voltage rating				1000V rms	
<b>Physical</b>					
Color (Housing)				Black	
Material (Housing)				PPE+PS	
Temperature (Range)				-40°C to +105°C	
<b>Approvals / Certifications</b>					
Approvals / Certifications				UL and CSA Approved	
<b>Other Features</b>					
Accessory				Polarization Plug 65307-001LF	
Packaging (Type)				Bag	
Comments				PV™ Contact Removal Tool: Part Number HT-0080	

PRODUCT NUMBER  
SEE TABLE



CONFIGURATION 1  
(WITHOUT RIB)

NOTES:

- ① MOLDING MATERIAL: MODIFIED POLYPHENYLENE ETHER, COLOR: BLACK, UL 94V-0.
2. PIN LENGTH TO BE .210/5.33 MIN RECOMMENDED PIN LENGTH IS .225/5.72 ± .015/0.38.
3. FOR TERMINAL APPLICATION SEE TA-531. PRODUCT SPECIFICATION: BUS-12-067.
4. TERMINALS MUST BE CRIMPED PROPERLY FOR SATISFACTORY LATCHING. SEE TA-75 FOR CRIMPING INSTRUCTIONS.
5. THIS HOUSING IS INTENDED FOR USE WITH MINI PVM TERMINAL WITH 22-36 GAUGE WIRE.
- ⑥ ALL MARKING EXCEPT LOGO DONE IN "6 POINT TYPE SET" IF SPACE PERMITS APPROX AREA PER NUMBER/LETTER .056/1.42 WIDE X .06/1.5 HIGH USING WHITE PERMANENT INK.
- ⑦ ALL MARKINGS FOR MILITARY PART NUMBERS ARE TO BE PER MIL-STD-1285. SEE TABULATION.
- ⑧ PLACE DESC P/N AND CAGE NO. ON PACKAGING LABEL. PRODUCT LENGTH IS TOO SMALL TO MARK PART.
- ⑨ THESE PARTS ARE AS MOLDED WITH NO MARKINGS AND NO RESTRICTIONS, (BUT ARE MARKETABLE).
10. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDER PROCESS.
- ⑫ EUROPEAN CUSTOMERS SHOULD ORDER PART NUMBERS WITH AN 'E' SUFFIX AS SHOWN IN TABLE TO CONTINUE TO BE SUPPLIED BY THE EUROPEAN PLANT. SEE DRAWING 65039EUR.

mat'l code		surface		tolerance		projection		product family	
SEE NOTE 1		ASME Y14.5 ✓		ASME Y14.5		INCH/MM		PV HOUSINGS	
ltr	ec'n no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
BE	v07-0483	HTB	2007-07-24	angles	XX+01/XX-3			MINI LATCH HOUSING	
-	-	-	-	fil	XXX+005/XXX-13			SINGLE ROW .100 [2.54] CC	
AY	v03-1356	PJ	2004-01-31	0°±2'	XXXX+0020/XXX+051	scale 3:1		sheet 1 of 12 size	
BA	v05-0712	DAI	2005-07-27	dr	M. CORNMANN	FCI		65039	
BB	v06-0407	HTB	2006-04-26	engr	H. SUNDY	1990-01-31		A4	
BC	v06-0549	HTB	2006-06-12	chr	H. SUNDY	1990-01-31		Product Customer Drawing	
BD	v06-0886	HTB	2006-08-31	appd	H. SUNDY	1990-01-31			
sheet	revision	BE	BE	BE	BE	BE	BE	BE	BE
index	sheet	1	2	3	4	5	6	7	8

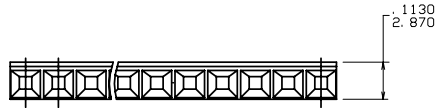
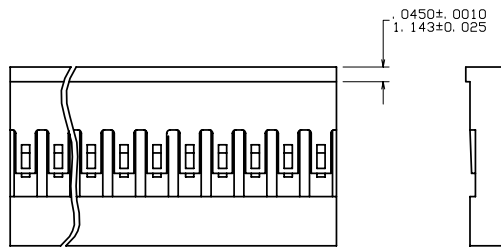


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PRODUCT NUMBER  
SEE TABLE



CONFIGURATION 2  
(WITH RIB)

mat'l. code		surface		tolerance		projection		product family	
SEE NOTE 1		ASME Y14.5 ✓		ASME Y14.5				PV HOUSINGS	
ltr	ec'n no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
BE				angles	XXX+01/XX+3			MINI LATCH HOUSING	
				0°±2'	XXX+005/XXX+13	scale 3:1		SINGLE ROW .100 [2.54] CC	
				dr	M. CORNMAN 1990-01-31			dwg no	
				engr	H. SUNDY 1990-01-31			sheet 2 of 12 size	
				chr	H. SUNDY 1990-01-31			65039 A4	
				appd	H. SUNDY 1990-01-31			type	
sheet	revision							Product Customer Drawing	
index	sheet								

form A4mmXLC

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<p>PRODUCT NO SEE TABLE</p> <p>MARK CO. LOGO TRADEMARK &amp; PART NO. &amp; CAVITY NO. APPROX. AS SHOWN.</p> <p>STYLE A</p>	<p>MARK CUST NAME AND CAVITY NO. APPROX AS SHOWN.</p> <p>STYLE D</p>	<p>CO. LOGO, CUSTOMER PART NO. LOGO, AND EVERY FIFTH CAVITY MARKED PERMANENTLY AND LEGIBLE IN WHITE INK APPROX AS SHOWN.</p> <p>STYLE G</p>	<p>MARK THIS ENTIRE END WHITE</p> <p>STYLE K</p>
<p>MARK CO. LOGO TRADEMARK &amp; PART NO. &amp; CAVITY NO. APPROX. AS SHOWN.</p> <p>STYLE B</p>	<p>MARK NUMBERS AS SHOWN CHARACTERS TO BE PERMANENT AND LEGIBLE AFTER REACHING #9 CAVITY CONTINUE ONLY MARKING EVERY OTHER ONE; IE. #11, #13, #15 ETC.</p> <p>STYLE E</p>	<p>MARK CHARACTERS AS SHOWN (ONE SIDE ONLY) 1,5,10,15, 20,ETC.</p> <p>STYLE H</p>	<p>MARK CHARACTERS AS SHOWN IN WHITE (ONE SIDE ONLY)</p> <p>STYLE L</p>
<p>MARK LETTERS AS SHOWN CHARACTERS TO BE PERMANENT &amp; LEGIBLE. OMIT (!) POS AS SHOWN</p> <p>STYLE C</p>	<p>MARK ARROW IN WHITE APPROX AS SHOWN.</p> <p>STYLE F</p>	<p>NOTE 6</p> <p>STYLE J</p>	


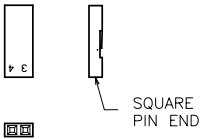
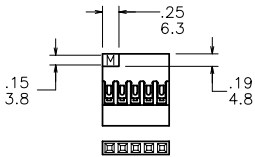


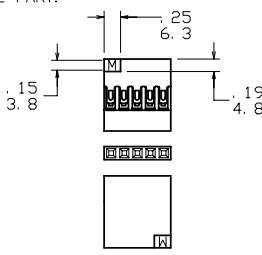
mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
tr	ecn no	dr	date	ASME Y14.5 ✓ ASME Y14.5	PV HOUSINGS
BE				tolerances unless otherwise specified	title
				angles	MINI LATCH HOUSING
				flatness	SINGLE ROW .100 [2.54] CC
				0°±2'	dwg no
				dr M. CORNMAN 1990-01-31	65039
				enrg H. SUNDY 1990-01-31	sheet 3 of 12 size
				chr H. SUNDY 1990-01-31	A4
				appd H. SUNDY 1990-01-31	type
sheet	revision				Product Customer Drawing
index	sheet				



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PRODUCT NO SEE TABLE	MARK CHARACTERS ON SIDE OPPOSITE THE LATCHES ON THE PLUGGABLE SQUARE PIN END	MARK AN M (BLACK) IN THE CORNER AS SHOWN, WITH A WHITE BACKGROUND.
 <p>STYLE M</p>	 <p>SQUARE PIN END</p> <p>STYLE P</p>	 <p>STYLE S</p>
CAVITY MARKED WITH ARROW	MARK AN M (BLACK) IN THE CORNER AS SHOWN, WITH A WHITE BACKGROUND, ON BOTH SIDES OF THE PART.	DATE CODE DESC P/N CAGE NO.
 <p>STYLE N</p>	 <p>STYLE R</p>	 <p>STYLE T NOTE-7 &amp; 8</p>

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
lfr	ec'n no	dr	date	ASME Y14.5 ✓ ASME Y14.5	PV HOUSINGS
BE				tolerances unless otherwise specified	title
				angles	MINI LATCH HOUSING
				fin	SINGLE ROW .100 [2.54] CC
				0°±2'	dwg no
				XXX+01/XX+3	sheet 4 of 12
				XXX+005/XX+8	size
				XXXX+0020/XXX+051	A4
		dr	M. CORNMAN	1990-01-31	FCI
		engr	H. SUNDY	1990-01-31	scale 1:1
		chr	H. SUNDY	1990-01-31	type
		appd	H. SUNDY	1990-01-31	Product Customer Drawing
sheet index	revision sheet				

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PRODUCT NO.	NO.OF POS.	DIM A MAX	DIM B	EUROPEAN VERSION-NOTE 12	CONFIGURATION
65039-001LF	36	3.600/91.44	3.500/88.90	65039-001ELF	1
65039-002LF	35	3.500/88.90	3.400/86.36	65039-002ELF	1
65039-003LF	34	3.400/86.36	3.300/83.82	65039-003ELF	1
65039-004LF	33	3.300/83.82	3.200/81.28	65039-004ELF	1
65039-005LF	32	3.200/81.28	3.100/78.74	65039-005ELF	1
65039-006LF	31	3.100/78.74	3.000/76.20	65039-006ELF	1
65039-007LF	30	3.000/76.20	2.900/73.66	65039-007ELF	1
65039-008LF	29	2.900/73.66	2.800/71.12	65039-008ELF	1
65039-009LF	28	2.800/71.12	2.700/68.58	65039-009ELF	1
65039-010LF	27	2.700/68.58	2.600/66.04	65039-010ELF	1
65039-011LF	26	2.600/66.04	2.500/63.50	65039-011ELF	1
65039-012LF	25	2.500/63.50	2.400/60.96	65039-012ELF	1
65039-013LF	24	2.400/60.96	2.300/58.24	65039-013ELF	1
65039-014LF	23	2.300/58.24	2.200/55.88	65039-014ELF	1
65039-015LF	22	2.200/55.88	2.100/53.34	65039-015ELF	1
65039-016LF	21	2.100/53.34	2.000/50.80	65039-016ELF	1
65039-017LF	20	2.000/50.80	1.900/48.26	65039-017ELF	1
65039-018LF	19	1.900/48.26	1.800/45.72	65039-018ELF	1
65039-019LF	18	1.800/45.72	1.700/43.18	65039-019ELF	1
65039-020LF	17	1.700/43.18	1.600/40.64	65039-020ELF	1
65039-021LF	16	1.600/40.64	1.500/38.10	65039-021ELF	1
65039-022LF	15	1.500/38.10	1.400/35.56	65039-022ELF	1
65039-023LF	14	1.400/35.56	1.300/33.02	65039-023ELF	1
65039-024LF	13	1.300/33.02	1.200/30.48	65039-024ELF	1
65039-025LF	12	1.200/30.48	1.100/27.94	65039-025ELF	1
65039-026LF	11	1.100/27.94	1.000/25.40	65039-026ELF	1
65039-027LF	10	1.000/25.40	.900/22.86	65039-027ELF	1
65039-028LF	9	.900/22.86	.800/20.32	65039-028ELF	1
65039-029LF	8	.800/20.32	.700/17.78	65039-029ELF	1
65039-030LF	7	.700/17.78	.600/15.24	65039-030ELF	1
65039-031LF	6	.600/15.24	.500/12.70	65039-031ELF	1
65039-032LF	5	.500/12.70	.400/10.16	65039-032ELF	1
65039-033LF	4	.400/10.16	.300/7.62	65039-033ELF	1
65039-034LF	3	.300/7.62	.200/5.08	65039-034ELF	1
65039-035LF	2	.200/5.08	.100/2.54	65039-035ELF	1
65039-036LF	1	.100/2.54	—	—	1

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
lfr	ecrn no	ASME Y14.5 ✓	ASME Y14.5		PV HOUSINGS
BE		tolerances unless otherwise specified	XX±01/XX±3	INCH/MM	title
		angles	XXX±005/XXX±13	scale 3:1	MINI LATCH HOUSING
		0°±2'	XXXX±0020/XXX±051		SINGLE ROW .100 [2.54] CC
		dr	M. CORNMAN 1990-01-31		dwg no
		engr	H. SUNDY 1990-01-31		65039
		chr	H. SUNDY 1990-01-31		sheet 5 of 12
		appd	H. SUNDY 1990-01-31		A4
sheet index	revision sheet				type Product Customer Drawing

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